BMS GDSN Trade Item Module Library

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1. Business Domain View

1.1. Objective

To populate the GS1 Global Registry and report to data pools and their registered trading partners up to date data source party information.

1.2. Audience

The audience of this standard is any participant in the global supply chain. This includes retailers, manufacturers, service providers and other third parties.

1.3. References

Reference Name	Description
BRAD For Major Release	

1.4. Acknowledgements

The following is a list of individuals (and their companies) who participated in the creation, review and approval of this BMS.

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Work Group Member	Schins Armand	Ahold (Europe)
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Work Group Member	Sobrino Gabriel	GS1 Netherlands
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Work Group Member	Vatai Krisztina	GS1 Hungary
Work Group Member	Welch Shan	GS1 UK
Work Group Member	Werthwine Thomas	Johnson & Johnson
Work Group Member	Wiggins Audrey	Wal-Mart Stores, Inc.
Work Group Member	Wijnker Stephan	GS1 Australia
Work Group Member	Windsperger Bekki	Best Buy Co., Inc.
Work Group Member	Wissel Maureen	Best Buy Co., Inc.
Work Group Member	Zhang Tony	FSE, Inc.

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Technical Development Lead	Ewa Iwicka	GS1
Peer Review	Mark Van Eeghem	GS1

2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Distribute Product Information
System Capabilities	GDSN
Official Constraints	None

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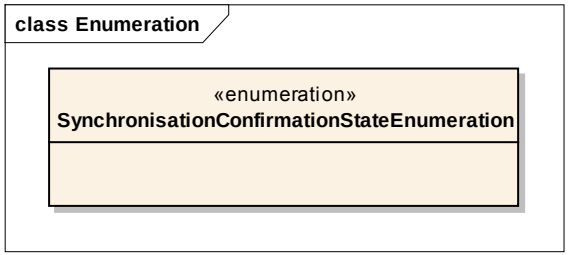
3. GDSN Common

3.1. Enumeration



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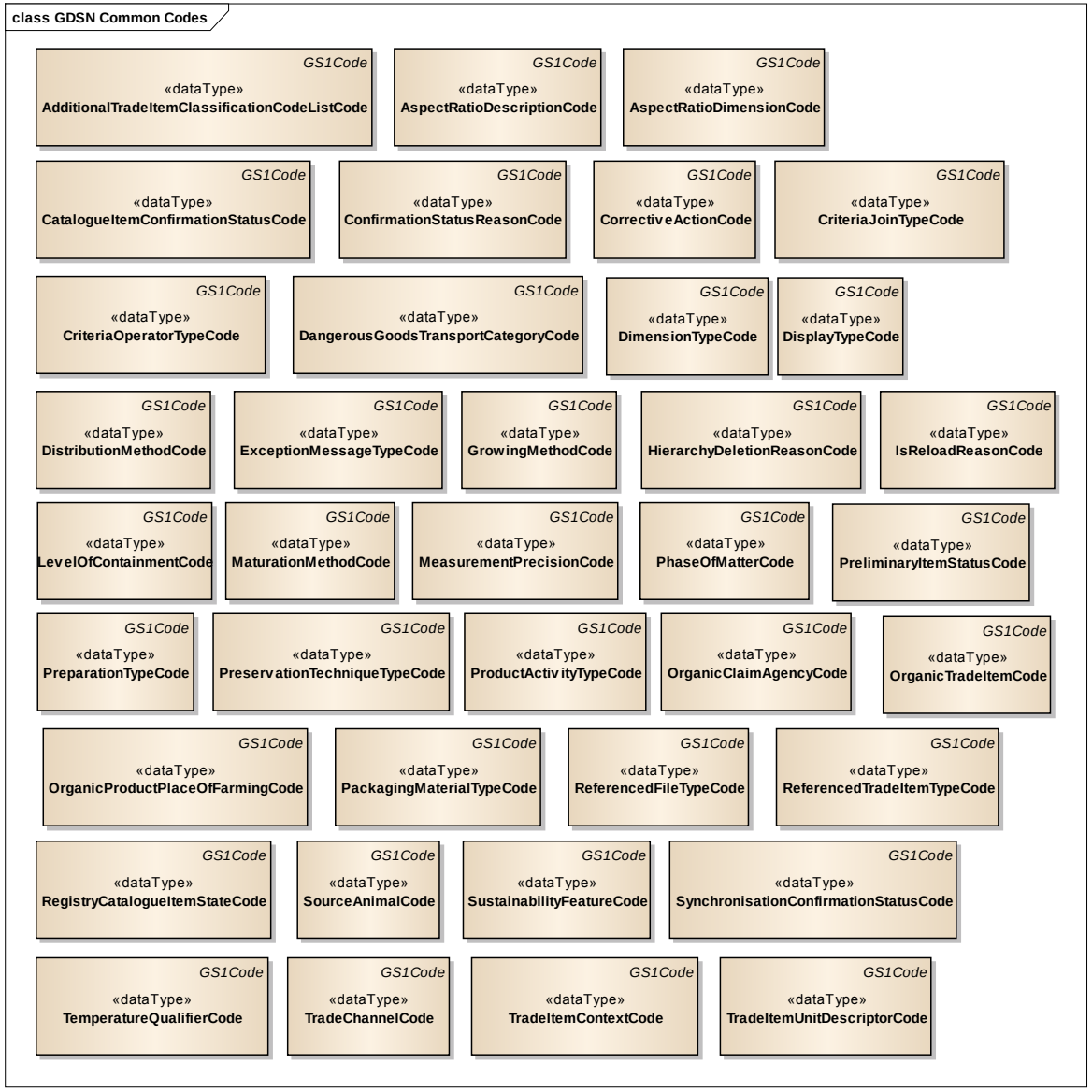
3.2. Code



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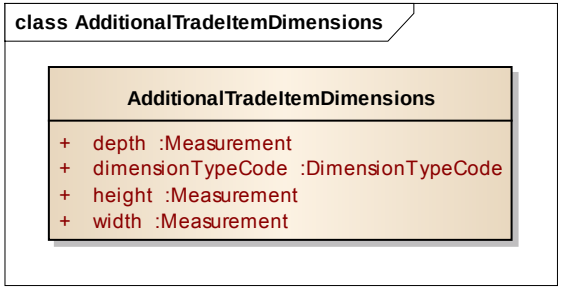
3.3. Additional Trade Item Dimensions



content	attribute / role	datatype /secondary class	multiplicity	definition
AdditionalTradeItemDimensions				The dimensions (depth, height, width) for a trade item in a variety of conditions (in box, out of box, etc).
Attribute	depth	Measurement	1..1	The depth of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.
Attribute	dimensionTypeCode	DimensionTypeCode	1..1	Depicts certain measurement scenarios (e.g. Retail Display, Out of package) used for measurement.
Attribute	height	Measurement	1..1	The height of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.
Attribute	width	Measurement	1..1	The width of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.

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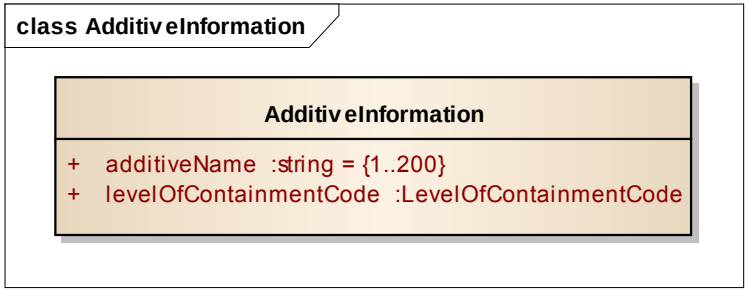
3.4. Additive Information



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AdditiveInformation				Information on presence or absence of additives or genetic modifications contained in the trade item.
Attribute	additiveName	string	1..1	The name of any additive or genetic modification contained or not contained in the trade item.
Attribute	levelOfContainmentCode	LevelOfContainmentCode	1..1	Code indicating the level of presence of the additive.

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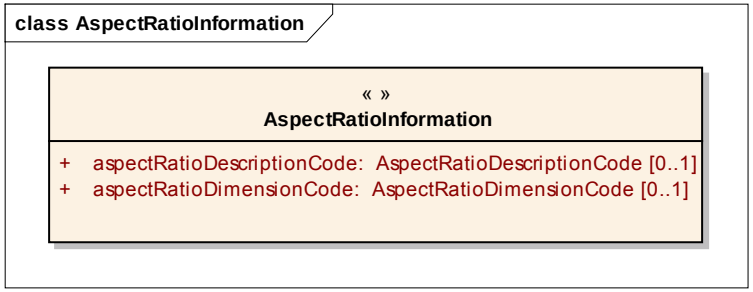
3.5. Aspect Ratio Information



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AspectRatioInformation				Logical grouping of attributes related to aspect ratio.
Attribute	aspectRatioDescriptionCode	AspectRatioDescriptionCode	0..1	A code that indicates the aspect ratio description for example ANAMORPHIC.
Attribute	aspectRatioDimensionCode	AspectRatioDimensionCode	0..1	A code that indicates the aspect ratio dimension.

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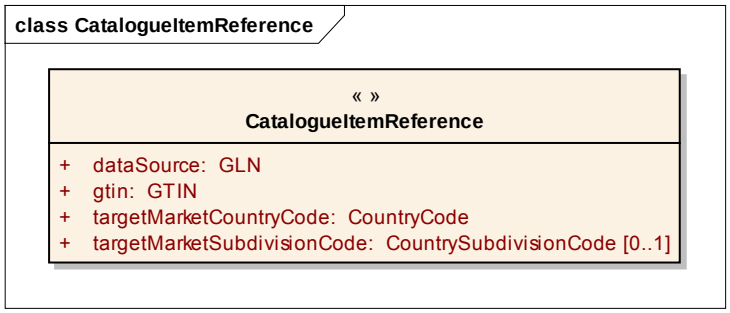
3.6. Catalogue Item Reference



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Catalogue Item Reference				A class of information used to identify the key to the trade item information using the data source GLN, the GTIN, and the Target Market within the Global Data Synchronisation Network.
Attribute	dataSource	GLN	1..1	Entity that provides the global data synchronization network with Master Data. The Data Source is officially recognized as the owner of this data. For a given Item or Party, the source of data is responsible for permanent updates of the information under its responsibility.
Attribute	gtin	GTIN	1..1	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.
Attribute	targetMarketCountryCode	CountryCode	1..1	The code that identifies the target market. The target market is at country level or higher geographical definition and is where a trade-item is intended to be sold.
Attribute	targetMarketCountrySubdivisionCode	CountrySubdivisionCode	0..1	The Code for country sub-division definition used to indicate the geo-political subdivision of the target market (=country).

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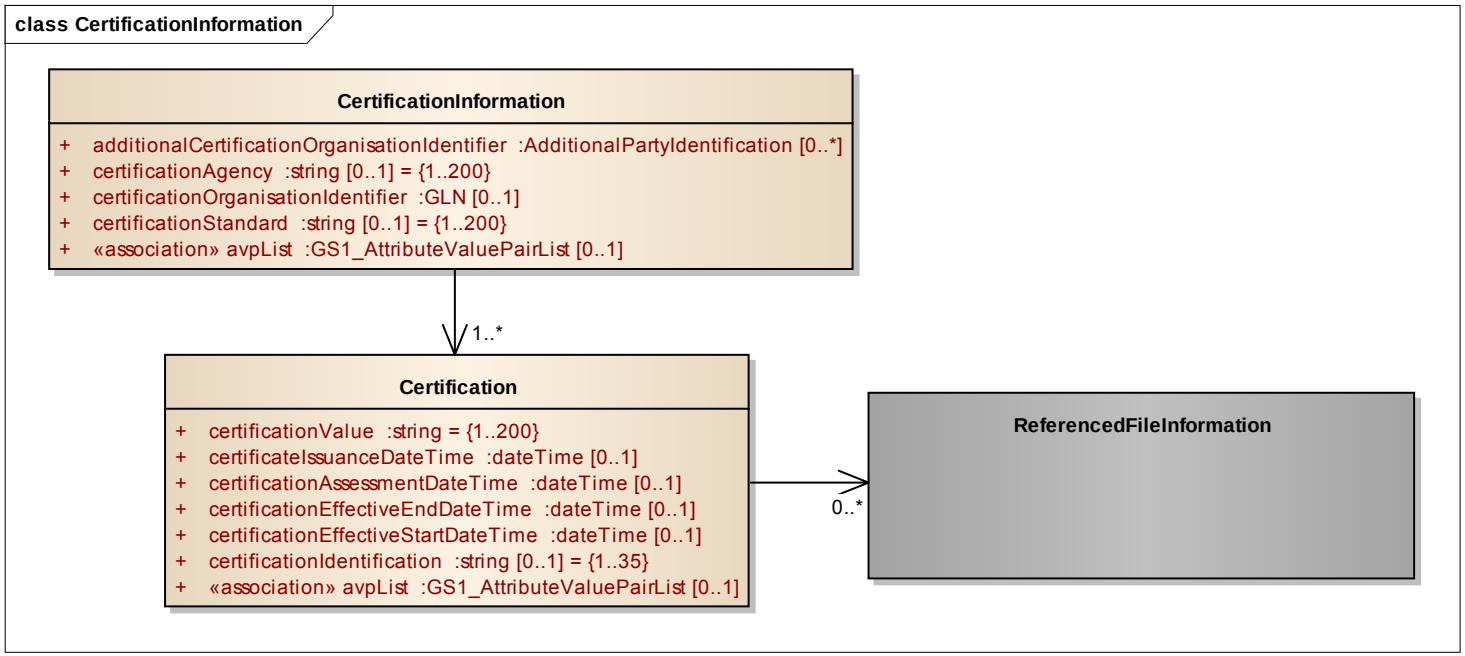
3.7. Certification Information



content	attribute / role	datatype /secondary class	multiplicity	definition
Certification				Information on certification to which the trade item complies.
Association		ReferencedFileInformation	0..*	Provides URL and other information on a referenced electronic file.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	certificationIssuanceDateTime	dateTime	0..1	The date and time that a certificate has been issued for a Trade Item.
Attribute	certificationAssessmentDateTime	dateTime	0..1	The date and time that an assessment was performed on a Trade Item that led to a certification.
Attribute	certificationEffectiveEndDateTime	dateTime	0..1	The date and time upon which the certification is no longer effective.
Attribute	certificationEffectiveStartDateTime	dateTime	0..1	The date and time upon which the certification is effective.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	certificationIdentification	string	0..1	A reference issued to confirm that something has passed certification.
Attribute	certificationValue	string	1..1	The product's certification standard value. Example: 4
CertificationInformation				Information on certification standards to which the trade item, or the process by which it is manufactured, sourced or supplied complies.
Association		Certification	1..*	Information on certification to which the trade item complies.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	additionalCertificationOrganisationIdentfier	AdditionalPartyIdentification	0..*	Additional identification of the organization that issued the certificate number confirming that the Trade Item has gone through certification.
Attribute	certificationAgency	String	0..1	Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.
Attribute	certificationOrganisationIdentifier	GLN	0..1	The identification of the organization that issued the certificate number confirming that the Trade Item has gone through certification.
Attribute	certificationStandard	string	0..1	Name of the certification standard. Free text. Example: Egg classification.

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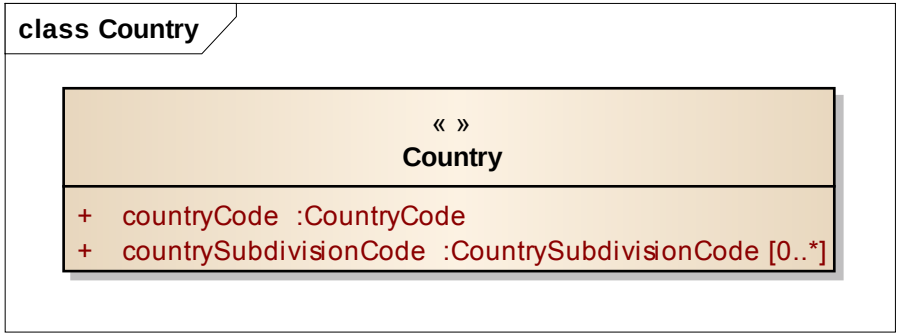
3.8. Country



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Country				Information on a country and any included subdivision.
Attribute	countryCode	countryCode	1..1	oCde specifying a country.
Attribute	countrySubdivisionCode	countrySubdivisionCode	0..*	Code specifying a country subdivision.

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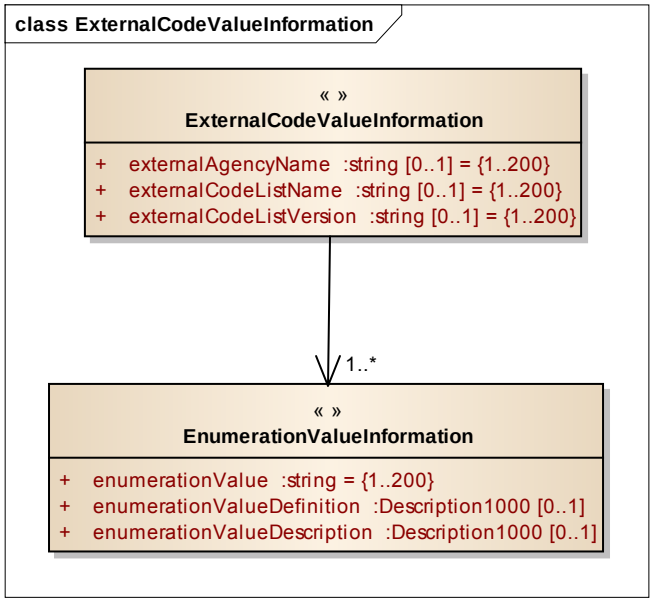
3.9. External Code Value Information



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
EnumerationValueInformation				A code list value that is maintained by an agency external to GS1.
Attribute	enumerationValue	string	1..1	Code List Value maintained by an external code list agency.
Attribute	enumerationValueDefinition	Description1000	0..1	Definition of the code list value maintained by an external code list agency
Attribute	enumerationValueDescription	Description1000	0..1	Description of the value in a code list value maintained by an external code list agency. This is primarily used when code list values are sequential numbers.
ExternalCodeValueInformation				Class allowing for multiple code list values that are maintained by an agency external to GS1.

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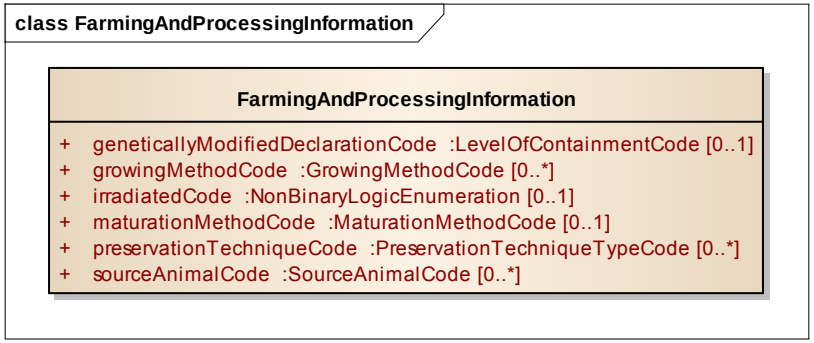
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Association		EnumerationValueInformation	1..*	A code value for an external code list.
Attribute	externalAgencyName	string	0..1	The name of the agency that manages a code list external to GS1.
Attribute	externalCodeListName	string	0..1	The name of the code list maintained by an agency external to GS1.
Attribute	externalCodeListVersion	string	0..1	The version of the code list maintained by an agency external to GS1.

3.10. Farming and Processing Information



content	attribute / role	datatype /secondary class	multiplicity	definition
FarmingProcessing			0..1	Details on any methods and techniques used by a manufacturer or supplier to the trade item, ingredients or raw materials.
Attribute	geneticallyModifiedDeclarationCode	LevelOfContainmentCode	0..1	A statement of the presence or absence of genetically modified protein or DNA.
Attribute	growingMethodCode	growingMethodCode	0..*	The process through which fresh produce is grown and cultivated.
Attribute	irradiatedCode	NonBinaryLogicEnumeration	0..1	Indicates if radiation has been applied.
Attribute	maturationMethodCode	MaturationMethodCode	0..1	The method of maturity for the item or ingredient for example tree ripened or jet fresh.

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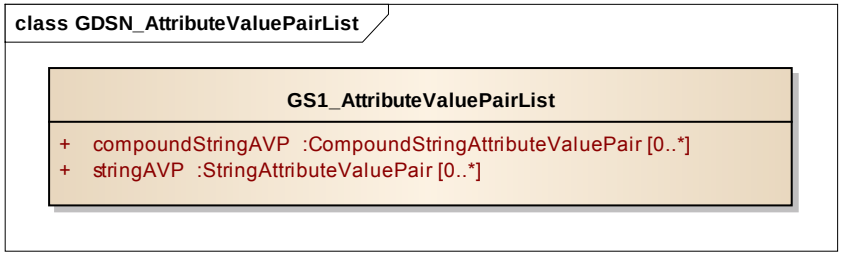
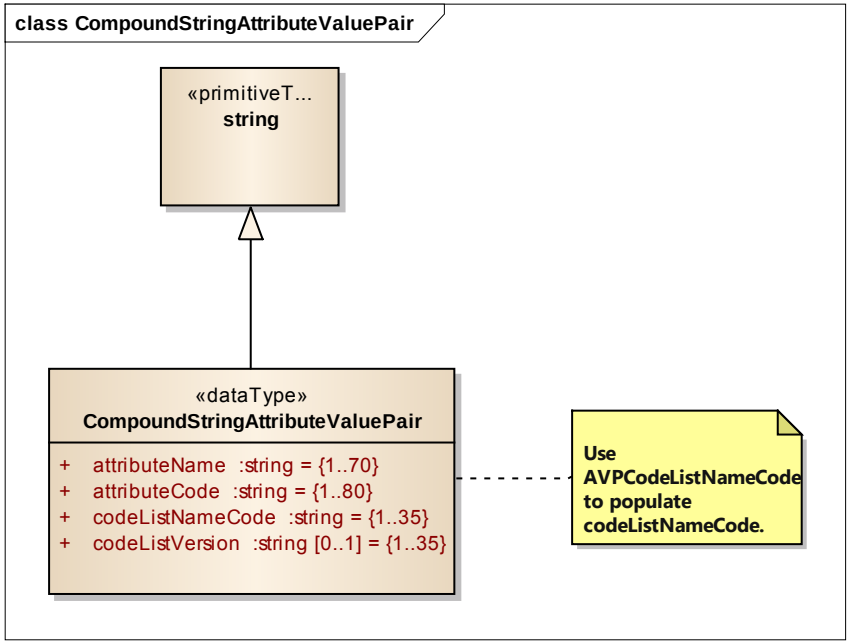
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	preservationTechniqueCode	PreservationTechniqueTypeCode	0..*	Code value indicating the preservation technique used to preserve the product from deterioration.
Attribute	sourceAnimalCode	sourceAnimalCode	0..*	The source of raw material used to produce the food product for example a goat for milk.

3.11. GS1 Attribute Value Pair List





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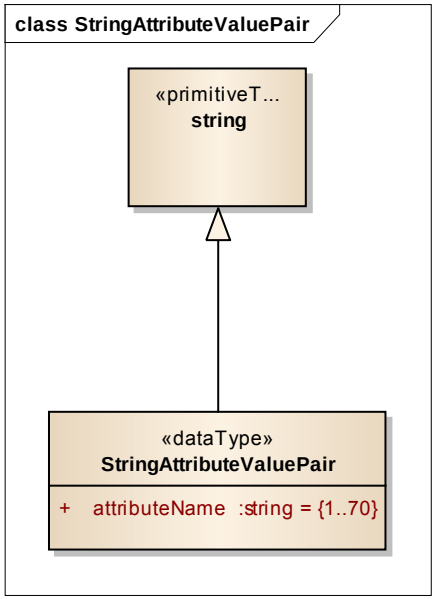

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
GS1_AttributeValuePairlList				The transmission of non-standard data done in a simple, flexible, and easy to use method.
	compoundStringAVP	CompoundStringAttributeValuePair	0..*	An attribute value pair that allows for a string and an associated qualifier (e.g. Unit Of Measure).
	stringAVP	StringAttributeValuePair	0..*	An attribute value pair that allows for string values.
CompoundStringAttributeValuePair				A data type that allows for temporary attributes along with associated qualifiers (e.g. unit of measure, currency code) introduced between minor versions.
	attributeName	String	1..1	The name of the temporary attribute being passed as an attribute value pair.
	attributeCode	String	1..1	The value associated with the codeListName for example ML for MEASUREMENT_CODE.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
	codeListNameCode	String	1..1	The code list qualifying the temporary attribute for example MEASUREMENT_CODE. Use AVPCodeListNameCode to populate codeListNameCode.
	codeListVersion	String	0..1	The version of the code list qualifying the temporary attribute.
StringAttributeValuePair				The transmission of non-standard data done in a simple, flexible, and easy to use method for simple text fields (no language).
	attributeName		1..1	The name of the temporary attribute being passed as an attribute value pair.

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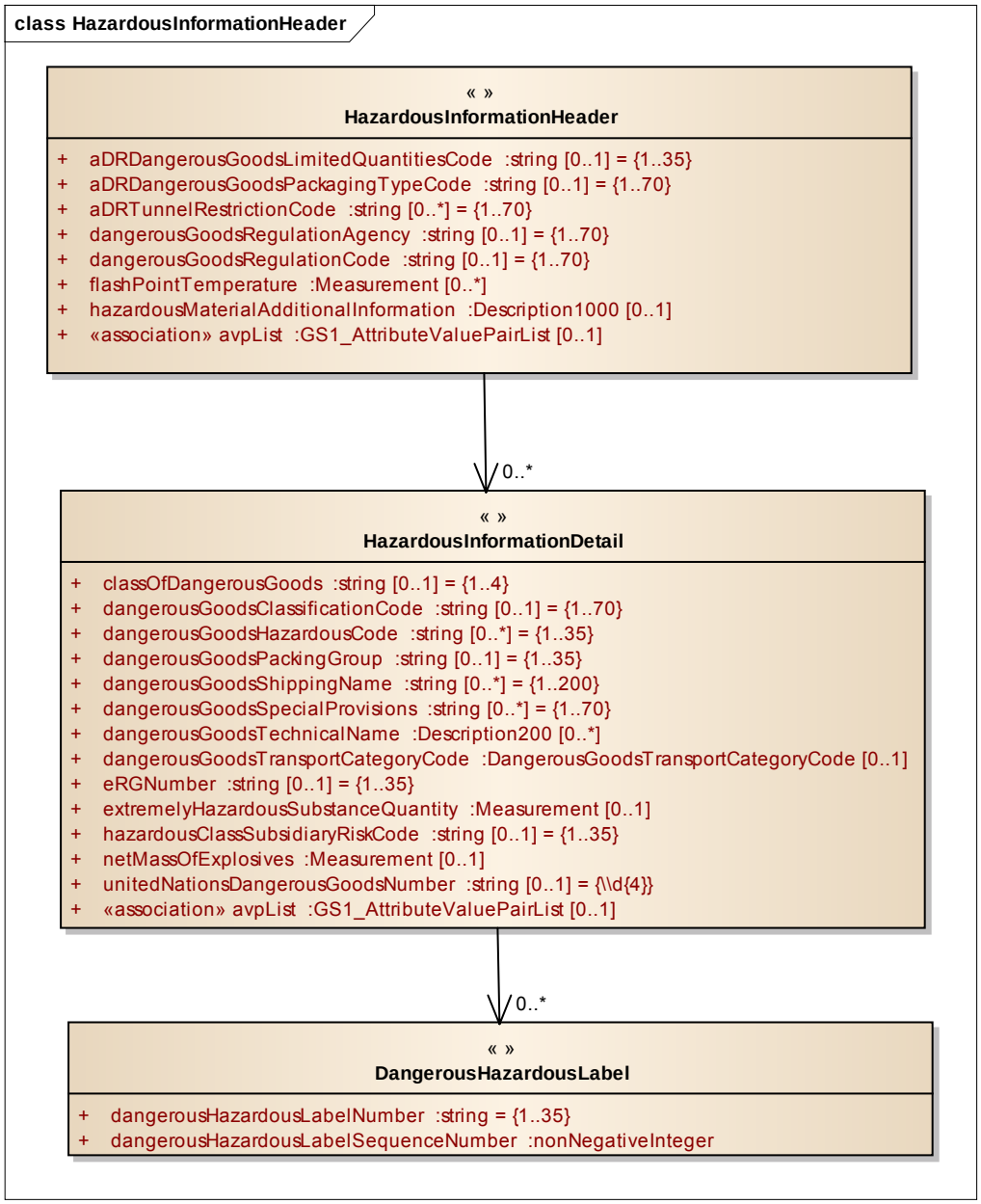
3.12. Hazardous Information Header



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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DangerousHazardousLabel				Information on visible labels on packaging indicating specific risks and required precautions associated with a dangerous/hazardous good.
Attribute	dangerousHazardousLabelNumber	string	1..1	A visible number indicating the specific risk and thus the required precautions associated with a dangerous or hazardous good for example, the indication of the hazardous label number according to chapter 3.2, table A of the ADR.
Attribute	dangerousHazardousLabelSequenceNumber	nonNegativeInteger	1..1	A sequence number indicating the primacy of one dangerous/hazardous label number over another. For example, a value of 1 would indicate that the associated hazard label number is the primary, 2 = secondary, etc.
HazardousInformationDetail				Details on hazardous information for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		DangerousHazardousLabel	0..*	Information on visible labels on packaging indicating specific risks and required precautions associated with a dangerous good.
Attribute	classOfDangerousGoods	string	0..1	The dangerous goods classification of the trade item. Dangerous classes explain in general terms the hazardous nature and properties of the goods and serves to classify them together in terms of their most significant risk. Recommend to use codes listed in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
Attribute	dangerousGoodsClassificationCode	string	0..1	A classification code of the trade item (dangerous goods) for transport by road and rail for example ADR/RID. It indicates the dangerous characteristics respectively the subsections of the trade item within a given classification.
Attribute	dangerousGoodsHazardousCode	string	0..*	Dangerous goods hazard ID number, which must be applied to the vehicle, when transporting this trade item (dangerous good) by road or rail, to inform the police, the fire brigade and others in case of an accident about the kind of danger caused by the cargo.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	dangerousGoodsPackingGroup	string	0..1	Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.
Attribute	dangerousGoodsShippingName	string	0..*	Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names.
Attribute	dangerousGoodsSpecialProvisions	string	0..*	A numeric code of special regulations to be met regarding a Dangerous Goods Classification Regulation. For example ADR 2005 provides additional information for identifying the substances or items (s. 3.2.1 ADR 2005). Special provisions can include transport restrictions, exemptions from regulation, explanations on the classifying of certain forms of the dangerous goods in question as well as additional marking and labelling requirements.
Attribute	dangerousGoodsTechnicalName	Description200	0..*	Provides the dangerous goods technical information.
Attribute	dangerousGoodsTransportCategoryCode	DangerousGoodsTransportCategoryCode	0..1	Trade items classified as dangerous goods are divided into transport categories for the purpose of calculating what quantity of dangerous goods is allowed to be transported on the same transport unit under specific exemption rules.
Attribute	eRGNumber	string	0..1	A number used to find the correct section within the Emergency Response Guide. The ERG is a guide to first responders to quickly identify the material involved in an incident for example a fire or spill. It is derivative from the UN Number. Note: The ERG number is only required in the United States.
Attribute	extremelyHazardousSubstanceQuantity	Measurement	0..1	The quantity of substance that is considered to be extremely hazardous under a regulatory threshold. For SARA, this is the threshold planning quantity in pounds per 40 Code of Federal Regulations (CFR) under section 302 of SARA Title 3.
Attribute	hazardousClassSubsidiaryRiskCode	string	0..1	A code determining a Secondary or Tertiary hazard related to a hazardous class for example corrosive.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	netMassOfExplosives	Measurement	0..1	The measurement of the net explosive mass of the trade item (dangerous goods) for transport by road and rail according to a dangerous goods classification regulation.
Attribute	unitedNationsDangerousGoodsNumber	string	0..1	The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number. Recommend to use codes listed in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
HazardousInformationHeader				Hazardous Information for a trade item.
Association		HazardousInformationDetail	0..*	Hazardous detail for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	aDRDangerousGoodsLimitedQuantitiesCode	string	0..1	A code defined by RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) and ADR (Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route) specifying whether a dangerous good can be packaged in small quantities providing they are packaged and labelled in accordance with certain requirements.
Attribute	aDRDangerousGoodsPackagingTypeCode	string	0..1	Approved packaging for ADR regulation. ADR regulations include packaging regulations, packaging types and requirements and testing regulations concerning packaging. Dangerous goods should be packed in a way that they remain in the package during transport. If a package or container meant for transportation of dangerous goods is damaged, it is forbidden to carry out the transport.

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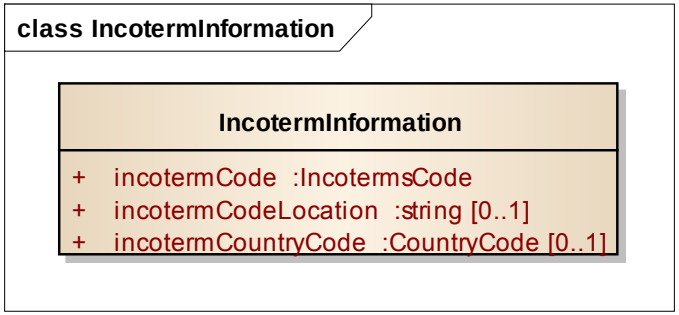
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	aDRTunnelRestrictionCode	string	0..*	The ADR Tunnel Restriction Code is a code defined in ADR Chapter 8.6, which categorizes road tunnels into categories A to E. Adequate traffic signs regulate the transit of vehicles with dangerous goods. The tunnel restriction code (e.g. E) has to be stated within the transport papers. Trading Partners should look to the specific ADR documentation for current applicable code list values.
Attribute	dangerousGoodsRegulationAgency	string	0..1	An indication of the agency responsible for a classification system(s) of dangerous goods.
Attribute	dangerousGoodsRegulationCode	string	0..1	An indication of the classification system(s) of dangerous goods and/or the Agency(ies) responsible for it.
Attribute	flashPointTemperature	Measurement	0..*	The minimum temperature at which a liquid gives off a vapour within a vessel in sufficient concentration to form an ignitable mixture with air near the surface of a liquid.
Attribute	hazardousMaterialAdditionalInformation	Description1000	0..1	Any regulatory information required that is not specifically identified by another field.

3.13. Incoterm Information



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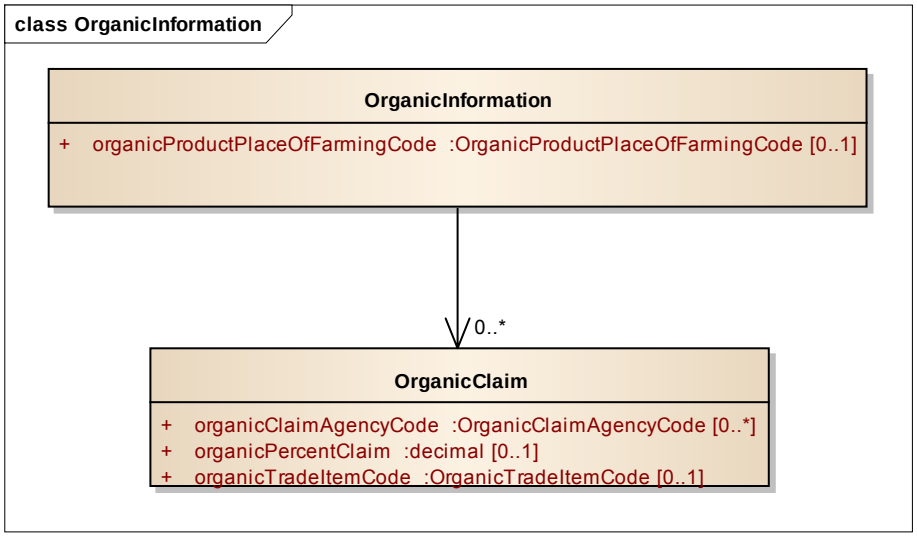
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
IncotermInformation				Incoterms is an abbreviation for International Commercial Terms. The International Chamber of Commerce created and manages the Incoterms and their definitions. There are 13 available for use in the buyer-seller contractual agreements.
Attribute	incotermCode	IncotermsCode	1..1	Incoterms is an abbreviation for International Commercial Terms. The International Chamber of Commerce created and manages the Incoterms and their definitions. There are 13 available for use in the buyer-seller contractual agreements.
Attribute	incotermCodeLocation	string	0..1	A description of the location required by an Incoterm.
Attribute	incotermCountryCode	CountryCode	0..1	The location country code where the incoterm event (e.g. DDP Delivered Duty Paid) has occurred.

3.14. Organic Information



content	attribute / role	datatype /secondary class	multiplicity	definition
OrganicClaim				Any claim to indicate the organic status of a trade item or of one or more of its components.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	organicClaimAgencyCode	OrganicClaimAgencyCode	0..*	A governing body that creates and maintains standards related to organic products.
Attribute	organicPercentClaim	decimal	0..1	The percent of actual organic materials per weight of the trade item. This is usually claimed on the product.
Attribute	organicTradeItemCode	OrganicTradeItemCode	0..1	Used to indicate the organic status of a trade item or of one or more of its components.
OrganicInformation				Information on the organic nature of trade items.
Association		OrganicClaim	0..*	Any claim to indicate the organic status of a trade item or of one or more of its components.
Attribute	organicProductPlaceOfFarmingCode	OrganicProductPlaceOfFarmingCode	0..1	Indication of the place where the agricultural raw materials of which the product is composed have been farmed, acc. To Council Regulation (EC) No 834/2007. It applies only to the trade item, not ingredient by ingredient. Where the Community logo is used, an indication of the place where the agricultural raw materials of which the product is composed have been farmed, shall also appear in the same visual field as the logo and shall take one of the code list forms, as appropriate. For EU or NON-EU indication, small quantities by weight of ingredients may be disregarded provided, that the total quantity of the disregarded ingredients does not exceed 2 % of the total quantity by weight of raw materials of agricultural origin. This Regulation shall apply to the following products originating from agriculture, including aquaculture, where such products are placed on the market or are intended to be placed on the market: a) Live or unprocessed agricultural products; b) Processed agricultural products for use as food; c) Feed; d) Vegetative propagating material and seeds for cultivation. The products of hunting and fishing of wild animals shall not be considered as organic production. This Regulation shall also apply to yeasts used as food or feed.

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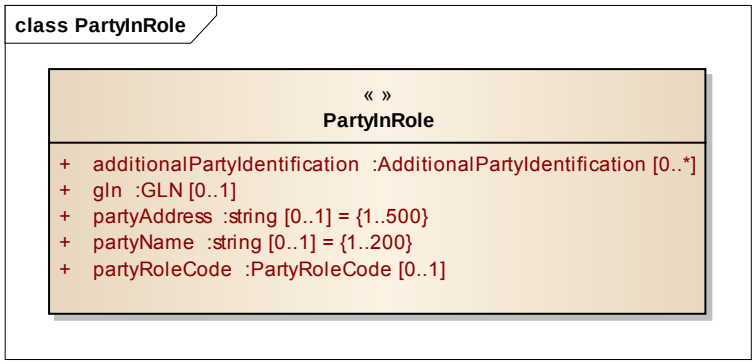
3.15. Party In Role



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
PartyInRole				The identification of a party, by GLN, in a specific party role.
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*	Identification of a party by use of a code other than the Global Location Number.
Attribute	gln	GLN	0..1	The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.
Attribute	partyAddress	String	0..1	The address associated with the party. This could be the full company address.
Attribute	partyName	string	0..1	The name of the party expressed in text.
Attribute	partyRoleCode	PartyRoleCode	0..1	A code that identifies the role of a party in a business transaction.

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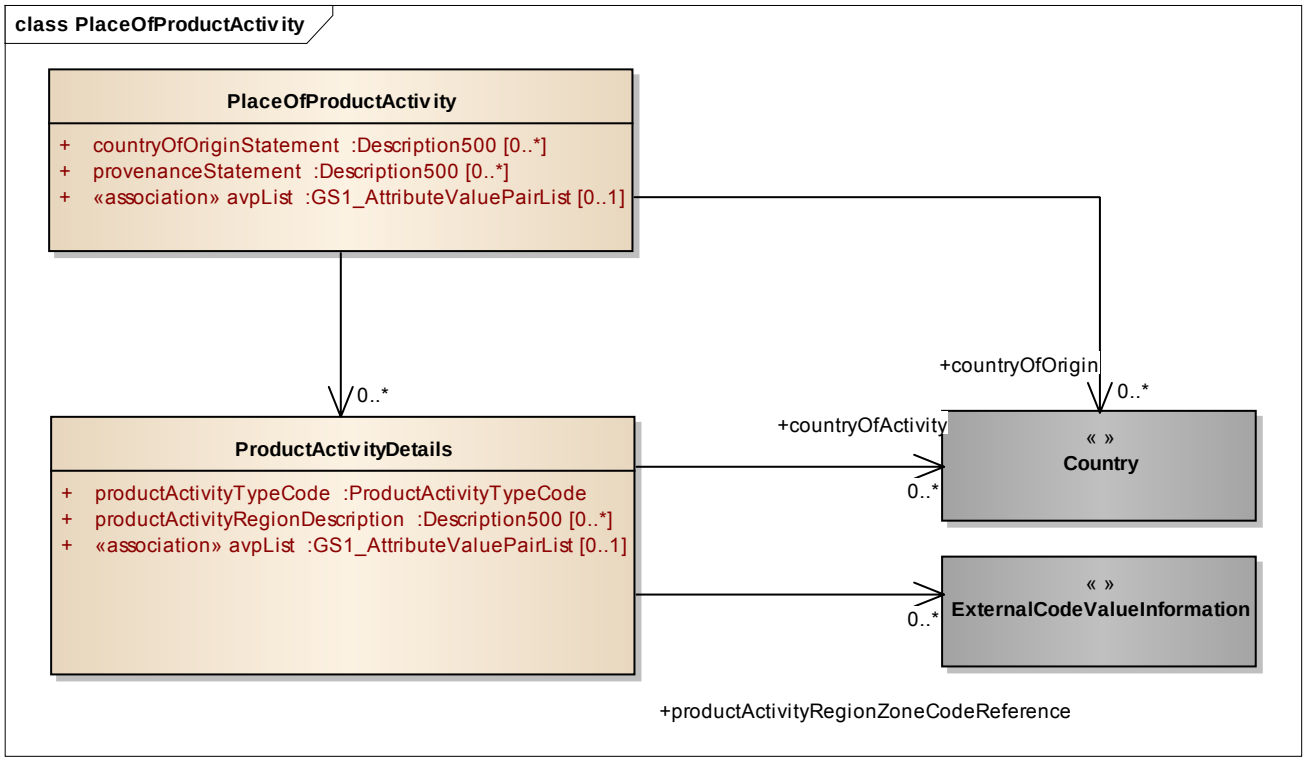
3.16. Place Of Product Activity



content	attribute / role	datatype /secondary class	multiplicity	definition
PlaceOfProductActivity				Information on the activity (e.g. bottling) taken place for a trade item as well as the associated geographic area.
Attribute	countryOfOriginStatement	Description500	0..*	A description of the geographic area the item may have originated from or has been processed.
Attribute	provenanceStatement	Description500	0..*	The place a trade item originates from. Text that corresponds to the claim of provenance as formulated on the packaging of the trade item. Examples: Made in Thüringen Mountains, Made in Paris, From the Napa Valley.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association	countryOfOrigin	Country	0..*	A description of the country the item may have originated from or has been processed. Examples : Made in Germany.
Association		productActivityDetails	0..*	Details on the activity (e.g. bottling) taken place for a trade item as well as the associated geographic area.
ProductActivity Details				Details on the activity (e.g. bottling) taken place for a trade item as well as the associated geographic area.
Attribute	productActivityTypeCode	ProductActivityTypeCode	1..1	A code depicting the type of activity being performed on a trade item for example processing, bottling, manufacturing.
Attribute	productActivityRegionDescription	Description500	0..*	The region in which a processing or other activity has been performed for example processing, bottling, manufacturing.
Association	countryOfActivity	Country	0..*	The geographic area where an activity has taken place.
Association	productActivityRegionZoneCodeReference	ExternalCodeValueInformation	0..*	An external code value (code list managed outside of GS1) that depicts a specific zone or region for example an FAO Catch Zone. Use GS1 Code List CatchZoneCode when productActivityType equals CATCH_ZONE.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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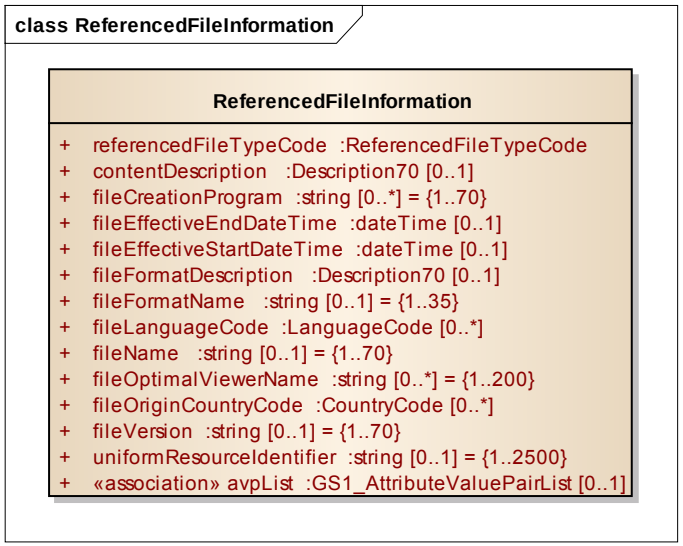
3.17. Referenced File Information



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
ReferencedFileInformation				Provides URL and other information on a referenced electronic file.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	referencedFileTypeCode	ReferencedFileTypeCode	1..1	The type of file that is being referenced for example Safety Data Sheet or Product Image.
Attribute	contentDescription	Description70	0..1	Free form description of the content of the file
Attribute	fileCreationProgram	string	0..*	The program used in the creation of the digital asset.
Attribute	fileEffectiveEndDateTime	dateTime	0..1	The date upon which the target of this external link ceases to be effective for use.
Attribute	fileEffectiveStartDateTime	dateTime	0..1	The date upon which the target of this external link begins to be effective for use.
Attribute	fileFormatDescription	Description70	0..1	Free form description of the format of the file.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	fileFormatName	string	0..1	The name of the file format. Examples: PDF; JPEG; BMP
Attribute	fileLanguageCode	LanguageCode	0..*	The specified language to which the digital asset is targeted.
Attribute	fileName	string	0..1	The name of the file that contains the external information.
Attribute	fileOptimalViewerName	string	0..*	The software to which this file was targeted.
Attribute	fileOriginCountryCode	CountryCode	0..*	The country where the digital asset originated.
Attribute	fileVersion	string	0..1	A description of the terms used by the manufacturer to denote the version of the digital asset.
Attribute	uniformResourceIdentifier	string	0..1	Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc.

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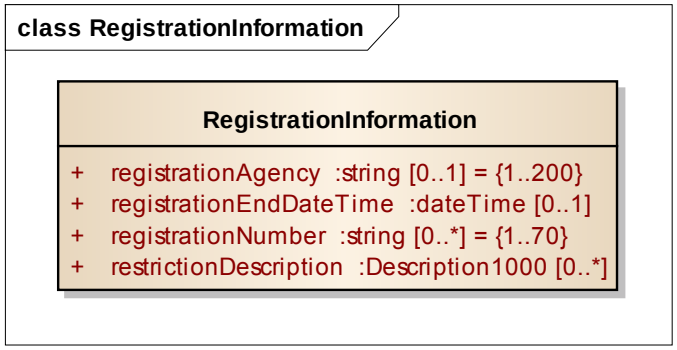
3.18. Registration Information



content	attribute / role	datatype /secondary class	multiplicity	definition
RegistrationInformation				Information on any registration numbers issued for the trade item.
Attribute	registrationAgency	string	0..1	An agency that issues registration numbers for any item or substance for example a chemical that is contained within the product.
Attribute	registrationEndDateTime	dateTime	0..1	The last date that the registration number is valid.
Attribute	registrationNumber	string	0..*	A registration number for any item or its constituents.
Attribute	restrictionDescription	Description1000	0..*	A description on any restrictions on usage for example locations where a pesticide cannot be sold.

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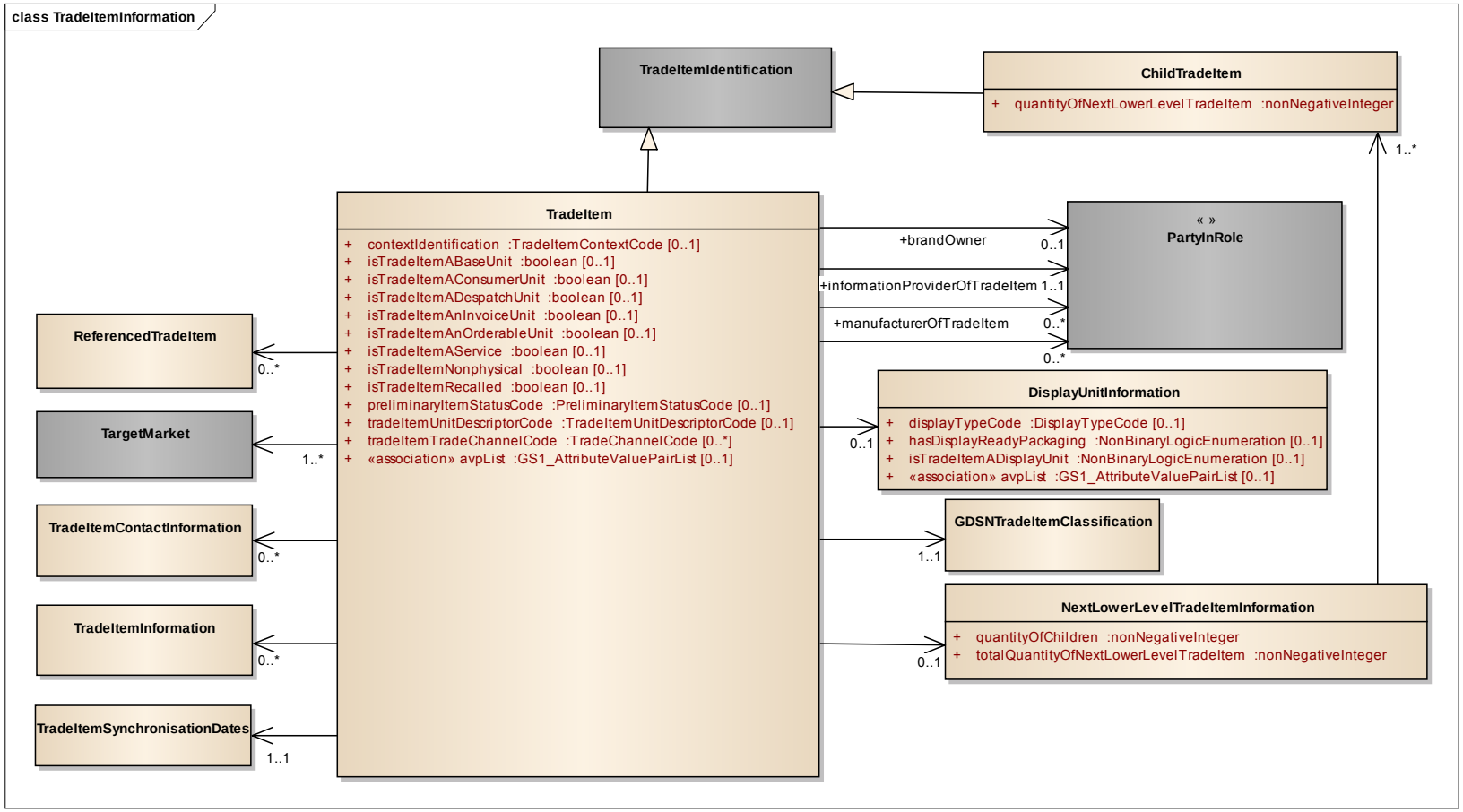
4. Core Item

4.1. Trade Item



Note: Trade Item is associated directly to the CIN.

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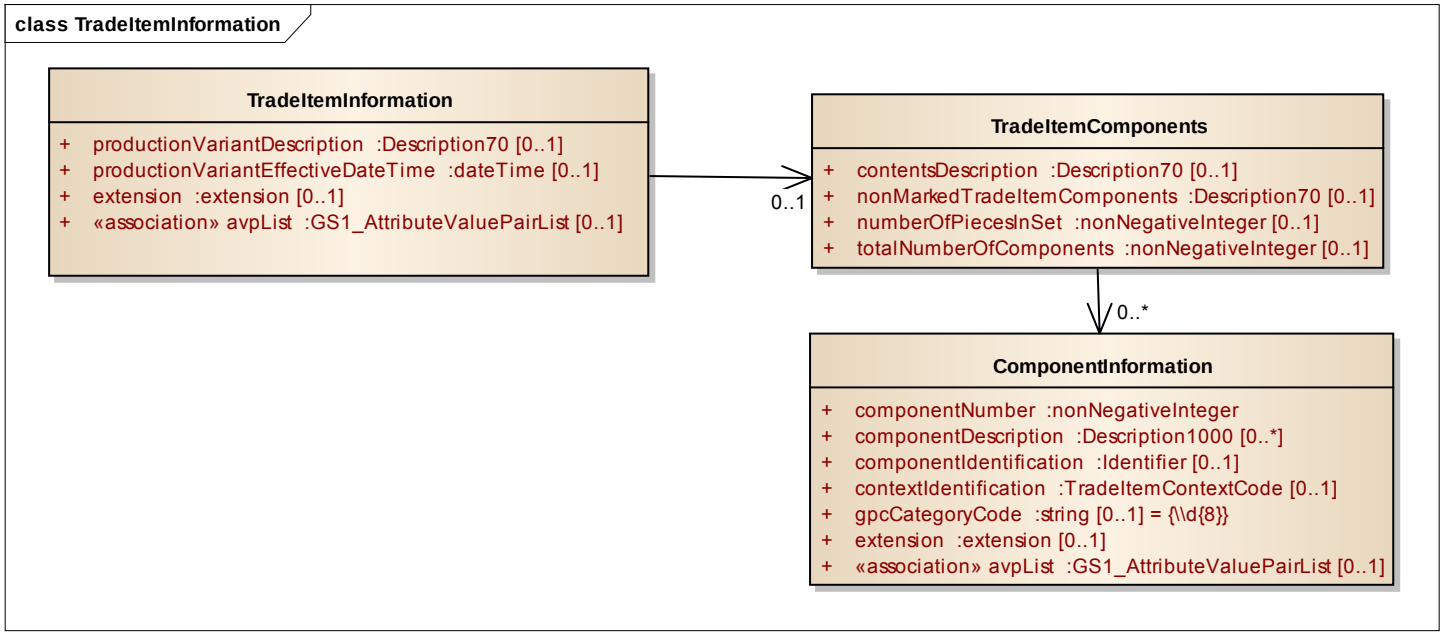

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
ChildTradeItem				A trade item in the item hierarchy level immediately below the parent trade item.
Generalization		TradeItemIdentification		A trade item in the item hierarchy level immediately below the parent trade item.
Attribute	quantityOfNextLowerLevelTradeItem	nonNegativeInteger	1..1	The number of one child trade item (as identified by the association of ChildTradeItem class to TradeItemIdentification class) contained by the parent trade item. The child trade item must be in the hierarchy level immediately below the parent trade item.
DisplayUnitInformation				Information on whether the item is shipped in a display unit and the type of display unit it is.
Attribute	displayTypeCode	DisplayTypeCode	0..1	A code determining the type of display a trade item is, for example Shelf Display Ready Packaging.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	hasDisplayReadyPackaging	NonBinaryLogicEnumeration	0..1	Indicates that the Trade Item has display ready packaging (also referred to as Shelf Ready Packaging or Retail Ready Packaging). Display ready packaging can be exhibited on the floor, a shelf or other location. It may or may not require some modification e.g. to raise a flap. If modifications are necessary, the measurements would be advised for the trade item as prepared for display.
Attribute	isTradeItemADisplayUnit	NonBinaryLogicEnumeration	0..1	An indicator whether or not a trade item is or could be used as a display unit. A display unit is intended to be shipped to a store without being split at a distribution centre or similar party and is intended to be displayed in a retail store either on a shelf or on the shop floor.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
NextLowerLevelTradeItem				Information on the next lower level trade items in the trade item hierarchy.
Attribute	quantityOfChildren	nonNegativeInteger	1..1	Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs.
Attribute	totalQuantityOfNextLowerLevelTradeItem	nonNegativeInteger	1..1	This represents the Total quantity of next lower level trade items that this trade item contains.
Association		ChildTradeItem	1..*	A trade item in the item hierarchy level immediately below the parent trade item.
TradeItemInformation				Detailed information on the trade item.
Association		TradeItemComponents	0..1	A constituent part of the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	productionVariantDescription	Description70	0..1	Free text assigned by the manufacturer to describe the production variant. Examples are: package series X, package series Y.
Attribute	productionVariantEffectiveDateTime	dateTime	0..1	The start date of a production variant. The variant applies to products having a date mark (a best before date or expiration date) on the package that comes on or after the effective date.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	extension	extension	0..1	An extension point for the trade item.
TradeItem				A Trade Item is any product or service upon which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. The term “trade item” is not to be confused with the legacy term “traded item” (now referred to within the GS1 General Specifications as ‘standard trade item group’ which can mean a specific product containment level, which is also called case. “Trade item” can represent any level of product containment, and also can represent a service.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association	brandOwner	PartyInRole	0..1	Party name and identification information for the brand owner. May or may not be the same entity as the information provider, which actually enters and maintains data in data pools.
Association	informationProviderOfTradeItem	PartyInRole	1..1	The party providing the information about the trade item.
Association	manufacturerOfTradeItem	PartyInRole	0..*	Party name and identification information for the manufacturer of the trade item.
Association		PartyInRole	0..*	Party name and identification information for a party relevant to the trade item for example Information Provider.
Association		DisplayUnitInformation	0..1	Information on whether the item is shipped in a display unit and the type of display unit it is.
Association		NextLowerLevelTradeItemInformation	0..1	Information on the next lower level trade items in the trade item hierarchy.
Association		TargetMarket	1..*	Target Market associated with a Trade Item.
Association		GDSNTradeItemClassification	1..1	Identifies a category in the GPC and other product classifications.
Association		ReferencedTradeItem	0..*	A trade item referenced by this trade item for example replaced or replaced by.
Association		TradeItemInformation	0..*	Information on the trade item that can vary by context.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Association		TradeItemSynchronisationDates	1..1	Dates relevant to the process of trade item synchronisation for example publication date.
Association		TradeItemContactInformation	0..*	Contact details for a Trade Item.
Generalization		TradeItemIdentification		Trade Item Identification for a TradeItem.
Attribute	contextIdentification	TradeItemContextCode	0..1	The unique identifier established for the context managed by GS1.
Attribute	isTradeItemABaseUnit	boolean	0..1	An indicator identifying the trade item as the base unit level of the trade item hierarchy.
Attribute	isTradeItemAConsumerUnit	boolean	0..1	Identifies whether the trade item to be taken possession of ,or to be consumed or used by an end user or both, as determined by the manufacturer. The end user could be, but is not limited to, a consumer as in items sold at retail, or a patient/clinician/technician in a healthcare setting, or an operator for foodservice such as restaurants, airlines, cafeterias, etc.
Attribute	isTradeItemADespatchUnit	boolean	0..1	An indicator identifying that the information provider considers the trade item as a despatch (shipping) unit. This may be relationship dependent based on channel of trade or other point to point agreement.
Attribute	isTradeItemAnInvoiceUnit	boolean	0..1	An indicator identifying that the information provider will include this trade item on their billing or invoice. This may be relationship dependent based on channel of trade or other point to point agreement.
Attribute	isTradeItemAnOrderableUnit	boolean	0..1	An indicator identifying that the information provider considers this trade item to be at a hierarchy level where they will accept orders from customers. This may be different from what the information provider identifies as a despatch unit. This may be a relationship dependent based on channel of trade or other point to point agreement
Attribute	isTradeItemAService	boolean	0..1	An indicator that the trade item is a service for example a receipt that can be used for upgrading a pre-paid phone balance, an entrance ticket to an amusement park, sporting event, theatre, service maintenance, installation service, repairs.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	isTradeItemNonphysical	boolean	0..1	An indicator that the trade item is not a physical item and as such has no dimensional manifestation. For example a computer download of software, movies or music, a service agreement, or prepaid cellular time.
Attribute	isTradeItemRecalled	boolean	0..1	An indicator for the Trade Item to determine if the Manufacturer or Supplier has recalled the product.
Attribute	preliminaryItemStatusCode	PreliminaryItemStatusCode	0..1	A code designating whether the trade item has data that the information provider intends to correct or add values to due to pre-production unknowns (PRELIMINARY) or whether the item has attribute values that reflect go to market state (FINAL).
Attribute	tradeItemUnitDescriptorCode	TradeItemUnitDescriptorCode	0..1	Describes the hierarchical level of the trade item. TradeItemUnitIndicator is mandatory. Examples: "CASE" , ”PALLET”
Attribute	tradeItemTradeChannelCode	TradeChannelCode	0..*	A grouping of entities by common business model concentration used to define the distribution or marketing segmentation of products, customers and geographic areas into common groups that are supplied, serviced and measured in similar ways.
ComponentInformation				A constituent part of a trade item that is packaged separately.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	componentNumber	nonNegativeInteger	1..1	Indicate a sequence number of a component of a trade item.
Attribute	componentDescription	Description1000	0..*	A description of the component.
Attribute	componentIdentification	Identifier	0..1	An identifier for a component.
Attribute	contextIdentification	TradeItemContextCode	0..1	The unique identifier established for the context managed by GS1.
Attribute	gpcCategoryCode	String	0..1	Code specifying a product category according to the GS1 Global Product Classification (GPC) standard.
Attribute	extension	Extension	0..1	An extension point for a component.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
TradeItemComponents				A constituent part of a trade item that is packaged separately.
Association		ComponentInformation	0..*	Component information for a trade item.
Attribute	contentsDescription	Description70	0..1	Describes the contents of the the components of the trade item when an item is shipped in multiple containers.
Attribute	nonMarkedTradeItemComponents	Description70	0..1	This attribute indicates a non-saleable part of the trade item. It is used to specify components of a trade item that cannot be sold separately.
Attribute	numberOfPiecesInSet	nonNegativeInteger	0..1	The total number of separately packaged components comprising a single trade item.
Attribute	totalNumberOfComponents	nonNegativeInteger	0..1	The total number of components for the trade item.

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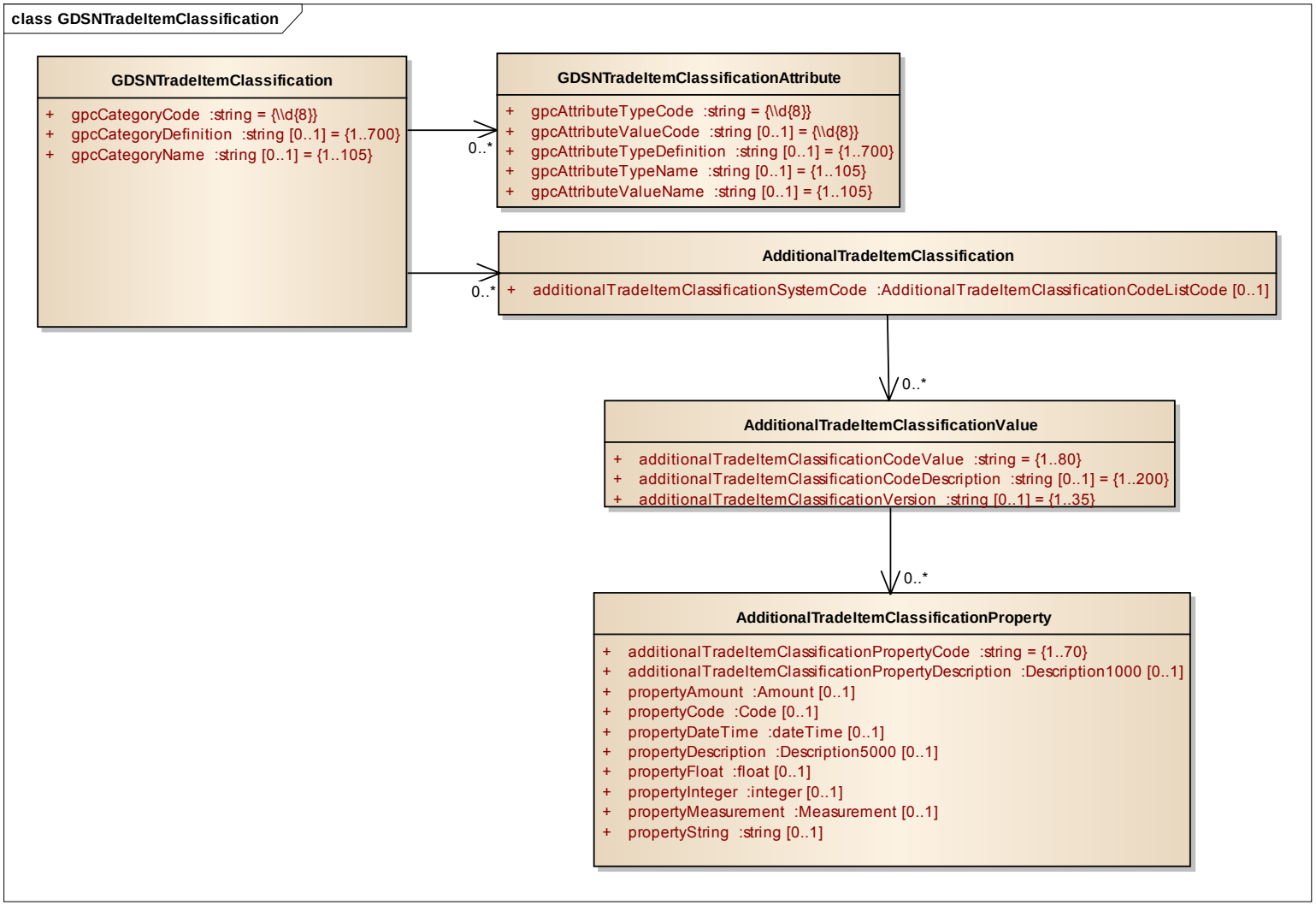
4.2. GDSN Trade Item Classification



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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
GDSNTradeItemClassification				Information specifying the product class to which a trade item belongs and the classification system being applied.
Association		AdditionalTradeItemClassification	0..*	Information on category code based on an alternate classification schema chosen in addition to the Global Product Classification (GPC).
Association		GDSNTradeItemClassificationAttribute	0..*	Contains information which identifies the GPC classification attribute for a trade item.
Attribute	gpcCategoryCode	string	1..1	Code specifying a product category according to the GS1 Global Product Classification (GPC) standard.
Attribute	gpcCategoryDefinition	string	0..1	A GS1 supplied definition associated with the specified Global Product Classification (GPC) category code.
Attribute	gpcCategoryName	string	0..1	Name associated with the specified Global Product Classification (GPC) category code.
GDSNTradeItemClassificationAttribute				Information on the type and value of a Global Product Classification (GPC) attribute.
Attribute	gpcAttributeTypeCode	string	1..1	Code specifying the type of the Global Product Classification (GPC) attribute, for example 20000081 - Grape Variety.
Attribute	gpcAttributeValueCode	string	0..1	The GS1 provided code which identifies the Global Product Classification Attribute Value.
Attribute	gpcAttributeTypeDefinition	string	0..1	The GS1 provided definition of the Global Product Classification Attribute Code.
Attribute	gpcAttributeTypeName	string	0..1	The GS1 provided text equivalent of the Global Product Classification Attribute Code.
Attribute	gpcAttributeValueName	string	0..1	The GS1 provided text equivalent of the Global Product Classification Attribute Value Code.
AdditionalTradeItemClassification				Category code based on alternate classification schema chosen in addition to the Global Product Classification (GPC).
Association		AdditionalTradeItemClassificationValue	0..*	Code list values for an Additional Trade Item Classification Type.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	additionalTradeItemClassificationSystemCode	AdditionalTradeItemClassificationCodeListCode	0..1	The Classification System for the Additional Trade Item Classification.
AdditionalTradeItemClassificationValue				A code list value for an Additional Trade Item Classification Type.
Association		AdditionalTradeItemClassificationProperty	0..*	Characteristics that are associated with a class of trade items according to a taxonomy.
Attribute	additionalTradeItemClassificationCodeValue	string	1..1	Category code based on alternate classification schema chosen in addition to GS1 classification schema.
Attribute	additionalTradeItemClassificationCodeDescription	string	0..1	Description of the additional classification bundle (code/agency + description).
Attribute	additionalTradeItemClassificationVersion	string	0..1	The identification of a release of a particular product classification.
AdditionalTradeItemClassificationProperty				Characteristics that are associated with a class of trade items according to a taxonomy.
Attribute	additionalTradeItemClassificationPropertyCode	string	1..1	Code assigned to a property of product for a classification.
Attribute	additionalTradeItemClassificationPropertyDescription	Description1000	0..1	A description of a property of product for a specific classification. for example Waterproof.
Attribute	propertyAmount	Amount	0..1	A property of a classification of an item expressed as an amount (value and currency).
Attribute	propertyCode	Code	0..1	A property of a classification of an item expressed as a code.
Attribute	propertyDateTime	dateTime	0..1	A property of a classification of an item expressed as a date and time.
Attribute	propertyDescription	Description5000	0..1	A property of a classification of an item expressed as a description.
Attribute	propertyFloat	float	0..1	A property of a classification of an item expressed as a float for example 0.00.

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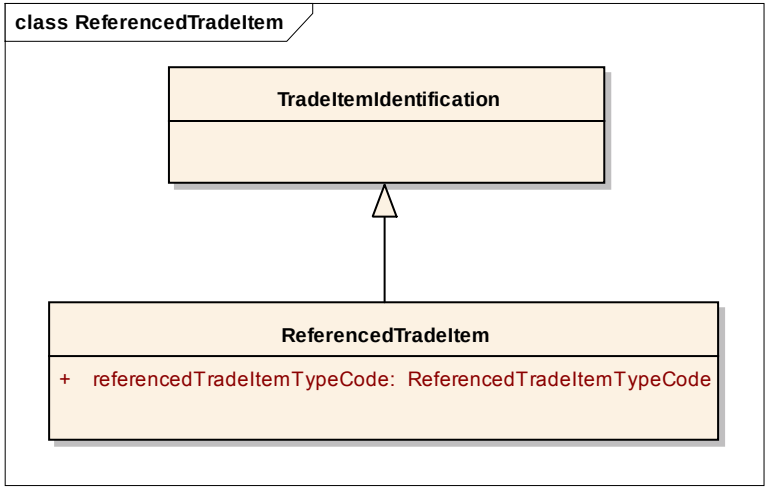
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	propertyInteger	integer	0..1	A property of a classification of an item expressed as an integer.
Attribute	propertyMeasurement	Measurement	0..1	A property of a classification of an item expressed as a measurement.
Attribute	propertyString	string	0..1	A property of a classification of an item expressed as text.

4.3. Referenced Trade Item



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
ReferencedTradeItem				A trade item not in the trade item hierarchy that is referenced for a specific purpose for example substitute, replaced by, equivalent trade items.
Generalization		TradeItemIdentification		The identification of the referenced trade item.
Attribute	referencedTradeItemTypeCode	ReferencedTradeItemTypeCode	1..1	A code depicting the type of trade item that is referenced for a specific purpose for example substitute, replaced by, equivalent trade items.

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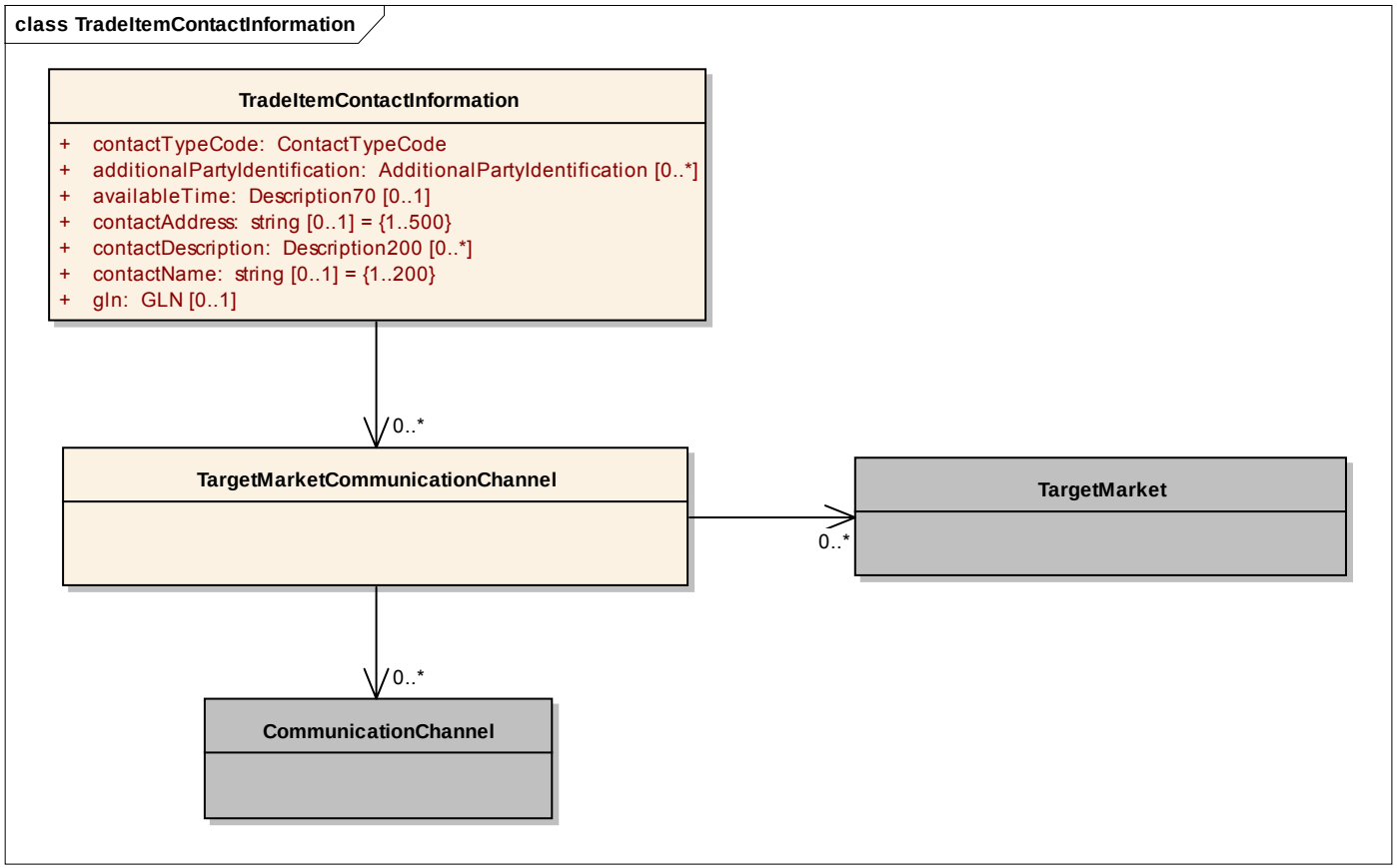
4.4. Trade Item Contact Information



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemContactInformation				Contact details for a Trade Item.
Association		TargetMarketCommunicationchannel	0..*	The communication channel for example phone number for a target market for a Trade Item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*	Identification of a party by use of a code other than the Global Location Number
Attribute	availableTime	Description70	0..1	The time that a specific contact for a Trade Item is available for contact.
Attribute	contactAddress	string	0..1	The address associated with the contact type. For example, in case of a contact type of consumer support, this could be the full company address as expressed on the trade item packaging or label.
Attribute	contactDescription	Description200	0..*	A description of the contact for the trade item.
Attribute	contactName	string	0..1	The name of the company or person associated with the contact type. For example, in case of a contact type of consumer support, this could be the company name as expressed on the trade item packaging or label.
Attribute	contactTypeCode	ContactTypeCode	1..1	The general category of the contact party for a trade item for example Purchasing.
Attribute	gln	GLN	0..1	The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.
TargetMarketCommunicationchannel				The communication channel for example phone number for a target market for a Trade Item.
Association		TargetMarket	0..*	A target market associated with a communication channel for example Canada.
Association		Communication Channel	0..*	A communication channel for a target market for example telephone.

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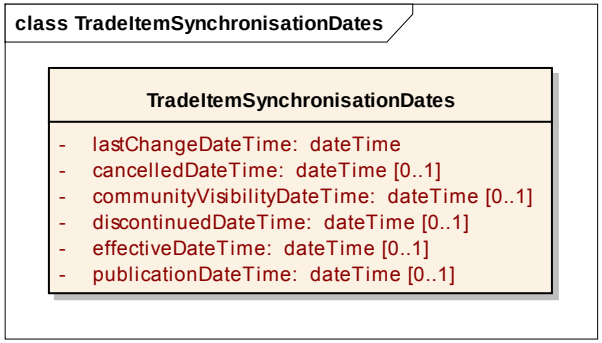
4.5. Trade Item Synchronisation Dates



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
TradeItemSynchronisationDates				Dates related to the synchronisation of a trade item within the GDS Network.
Attribute	lastChangeDateTime	dateTime	1..1	Indicates the point in time where the last modification on a Trade Item was made.
Attribute	cancelledDateTime	dateTime	0..1	Date on which the cancellation of the launch of a trade item what was never and will never be manufactured is made.
Attribute	communityVisibilityDateTime	dateTime	0..1	The date from which the neutral trade item information (i.e. not the private information, not relationship-dependent data and not price data) is available to all members of the target data pool, without restriction. Until this date only the data recipients to whom the data source has explicitly published the data can have access to the data. By setting this date a data source gives permission for wider publication of the generic item data.
Attribute	discontinuedDateTime	dateTime	0..1	Communicates the date on which the trade item is no longer to be manufactured.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	effectiveDateTime	dateTime	0..1	The date on which the information contents of the master data version are valid. Valid = correct or true. This effective date can be used for initial trade item offering, or to mark a change in the information related to an existing trade item. This date would mark when these changes take effect.
Attribute	publicationDateTime	dateTime	0..1	A date on which all static data associated with the trade item becomes available for viewing and synchronisation.

5. Trade Item Modules

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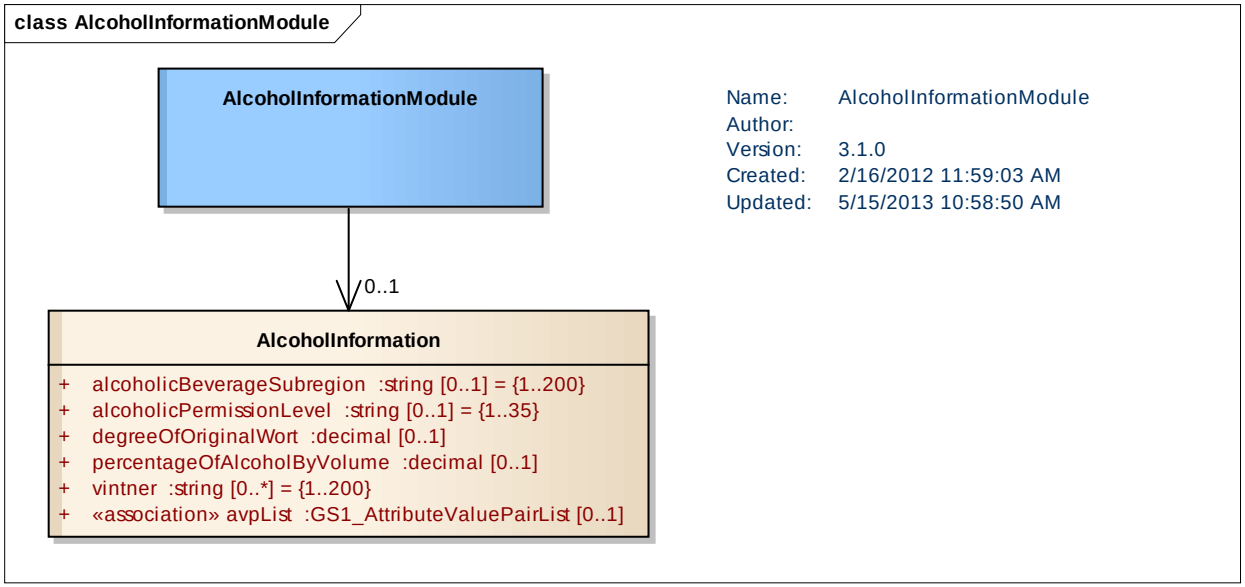
5.1. Alcohol Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
AlcoholInformationModule				A module containing details on products traditionally containing alcohol.
Association		AlcoholInformation	0..1	Details on products traditionally containing alcohol.
AlcoholInformation				Details on products traditionally containing alcohol.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	alcoholicBeverageSubregion	string	0..1	A legally defined geographical region where the grapes for a wine were grown also known as an appellation.
Attribute	alcoholicPermissionLevel	string	0..1	Indication of a permission level for alcoholic products dependent on the product classification. The permission level codes should reflect those of the target market.
Attribute	degreeOfOriginalWort	decimal	0..1	Specification of the degrees of original wort.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	percentageOfAlcoholByVolume	decimal	0..1	Percentage of alcohol contained in the base unit trade item.
Attribute	vintner	string	0..*	The person hired by a winery or wine company who is responsible for many of the processes in the preparation, taste and quality of the wine produced. The science of wine making is referred to as oenology. The vintner is the oenologist.

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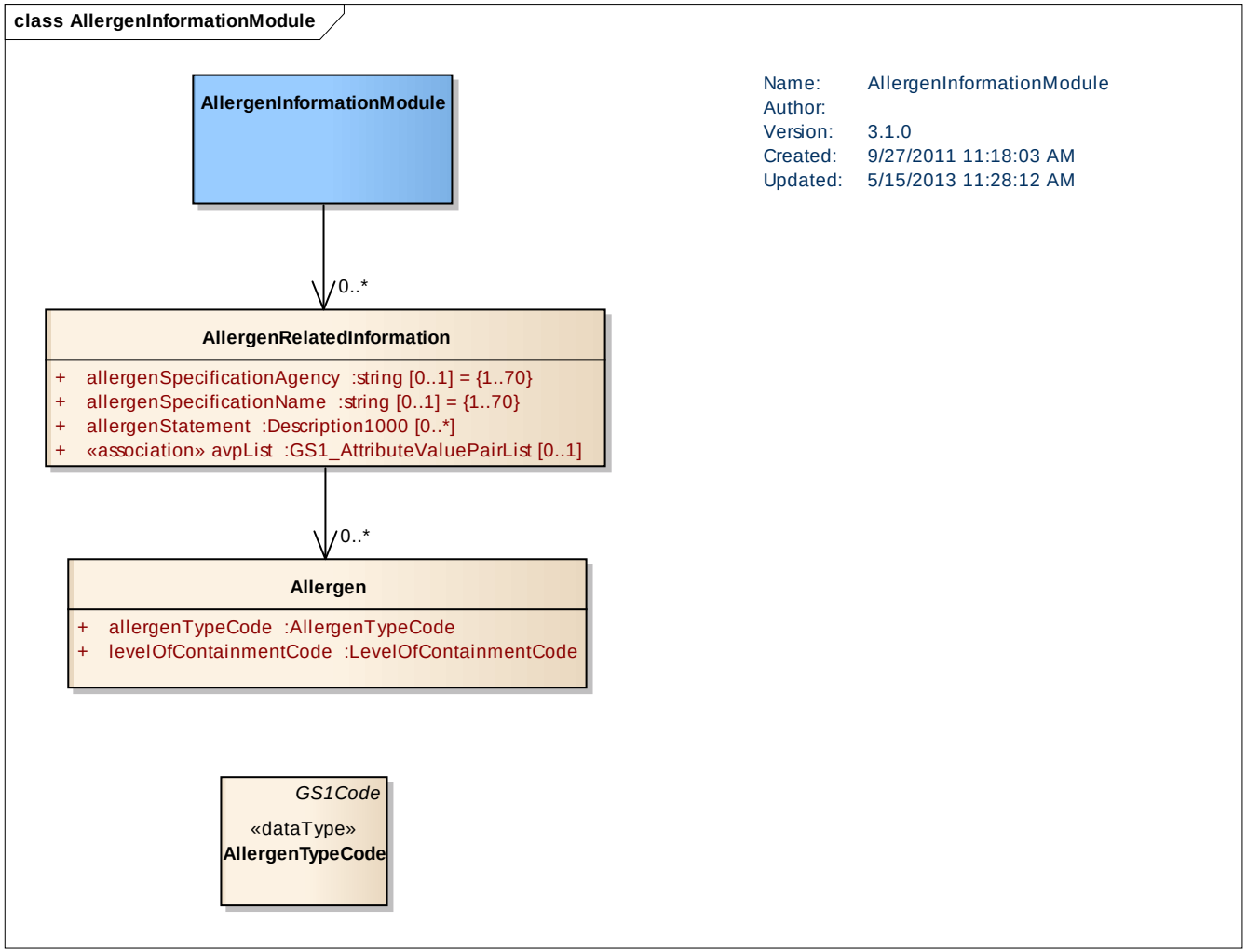
5.2. Allergen Information Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
Allergen				Description of the presence or absence of allergens as governed by local rules and regulations, specified per allergen.
Attribute	allergenTypeCode	AllergenTypeCode	1..1	Code indicating the type of allergen.
Attribute	levelOfContainmentCode	LevelOfContainmentCode	1..1	Code indicating the level of presence of the allergen.
AllergenInformationModule				A module containing information on allergens for a trade item.
Association		AllergenRelatedInformation	0..*	Details of allergens for a trade item.
AllergenRelatedInformation				Information on substances that might cause allergic reactions and substances subject to intolerance when consumed. The allergy information refers to specified regulations that apply to the target market to which the item information is published.
Association		Allergen	0..*	Details of the allergen and the associated containment.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	allergenSpecificationAgency	string	0..1	Agency that controls the allergen definition.
Attribute	allergenSpecificationName	string	0..1	Free text field containing the name and version of the regulation or standard that contains the definition of the allergen.
Attribute	allergenStatement	Description1000	0..*	Textual description of the presence or absence of allergens as governed by local rules and regulations, specified as one string.

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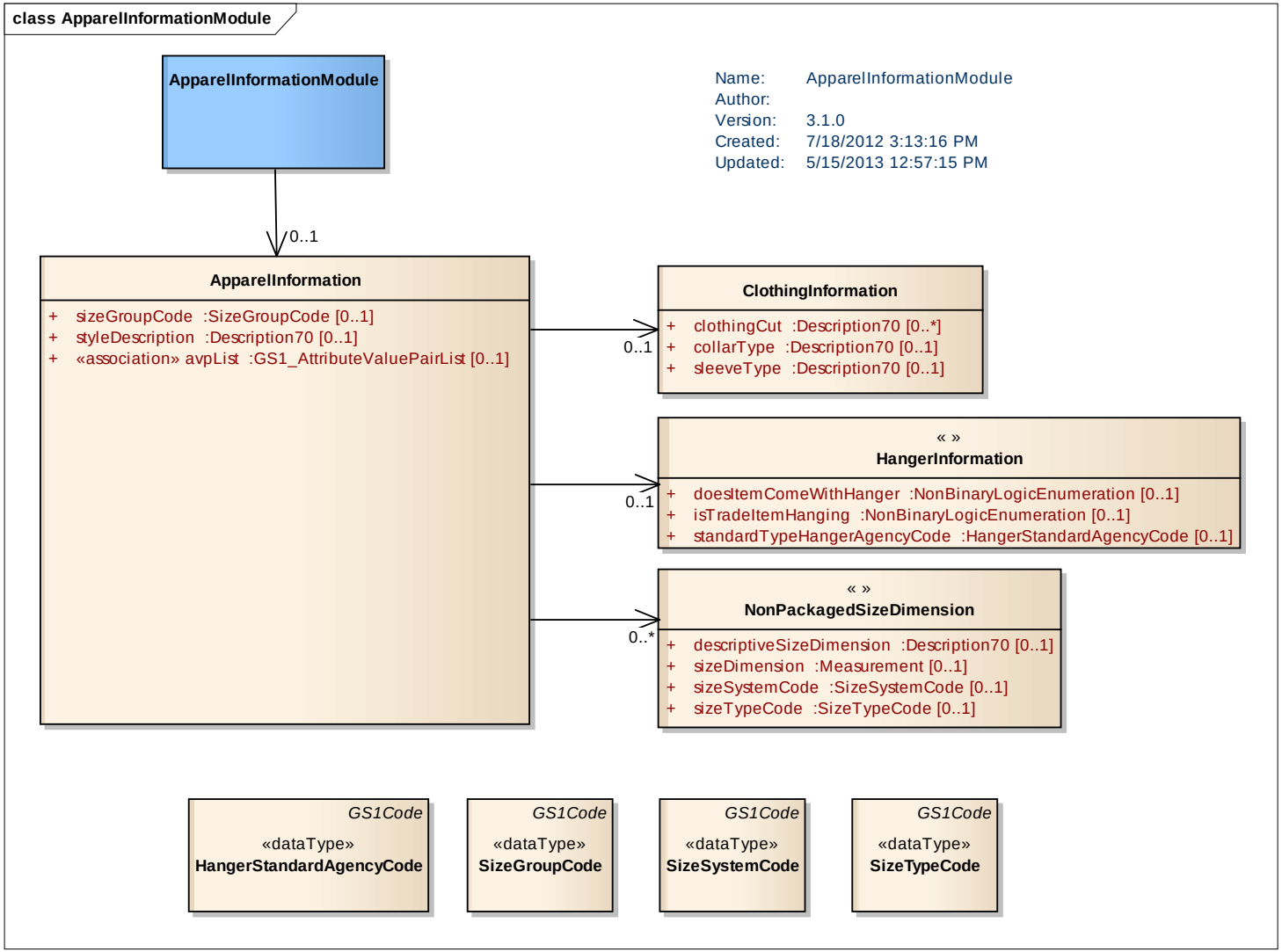
5.3. Apparel Information Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
ApparelInformation				Details specific to apparel trade items.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		ClothingInformation	0..1	Information related to clothing.
Association		HangerInformation	0..1	Information on hangers for the apparel item.
Association		NonPackagedSizeDimension	0..*	Size information related to apparel trade items.
Attribute	sizeGroupCode	SizeGroupCode	0..1	A description of the variable size that is necessary to uniquely specify the size of the item in conjunction with the non-packaged size dimension.
Attribute	styleDescription	Description70	0..1	An attribute that classifies GTINs that share many of the same characteristics (attribute values) that does NOT vary by GTIN, and are presented by the supplier as a single merchandise selection for the buyer.
ApparelInformationModule				A module containing details specific to apparel trade items.
Association		ApparelInformation	0..1	Details specific to apparel trade items.
ClothingInformation				Information related to clothing.
Attribute	clothingCut	Description70	0..*	Supplemental information to indicate the clothing cut or silhouette make of the garment. For example: silhouette details for a pair of jeans such as boot cut, or loose fit, "Comfort Fit".
Attribute	collarType	Description70	0..1	A free text description that identifies the type of collar on the garment.
Attribute	sleeveType	Description70	0..1	A free text description of the garment sleeve type.
HangerInformation				Contains information regarding any hanger included with product.
Attribute	doesItemComeWithHanger	boolean	0..1	A boolean value that indicates whether or not the trade item comes with a hanger.
Attribute	isTradeItemHanging	NonBinaryLogicEnumeration	0..1	An indicator whether or not the trade Item is shipped hanging, as opposed to being shipped with a hanger but not actually hanging.
Attribute	standardTypeHangerAgencyCode	HangerStandardAgencyCode	0..1	A code that identifies the agency that specifies industry standards for hangers.
NonPackagedSizeDimension				Size information related to apparel trade items.
Attribute	descriptiveSizeDimension	Description70	0..1	The textual representation of the size dimension specified by the size type.
Attribute	sizeDimension	Measurement	0..1	The numerical size measurement of the size dimension specified by the size type.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	sizeSystemCode	SizeSystemCode	0..1	The system that is used to define the size. It is used in conjunction with size group to completely define the size dimension.
Attribute	sizeTypeCode	SizeTypeCode	0..1	The type of size dimension being specified by the size measurement.

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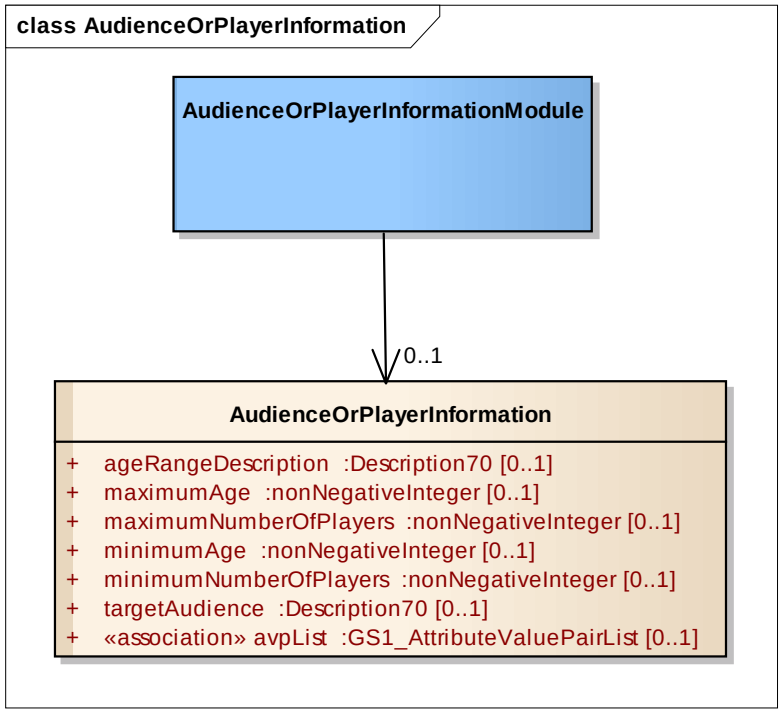
5.4. Audience Or Player Information Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AudienceOrPlayerInformationModule				Logical grouping of information regarding audience or player information.
Association		AudienceOrPlayerInformation	0..1	Logical grouping of information regarding audience or player information.
AudienceOrPlayerInformation				Logical grouping of information regarding audience or player information.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	ageRangeDescription	Description70	0..1	Description of the recommended age range of participating players.
Attribute	maximumAge	nonNegativeInteger	0..1	Recommended oldest age for a game or publication.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	maximumNumberOfPlayers	nonNegativeInteger	0..1	Maximum number of players that can participate in the game.
Attribute	minimumAge	nonNegativeInteger	0..1	Recommended youngest age for a the game or publication.
Attribute	minimumNumberOfPlayers	nonNegativeInteger	0..1	Minimum number of players that can participate in the game.
Attribute	targetAudience	Description70	0..1	A description of the recommended audience of the music publication.

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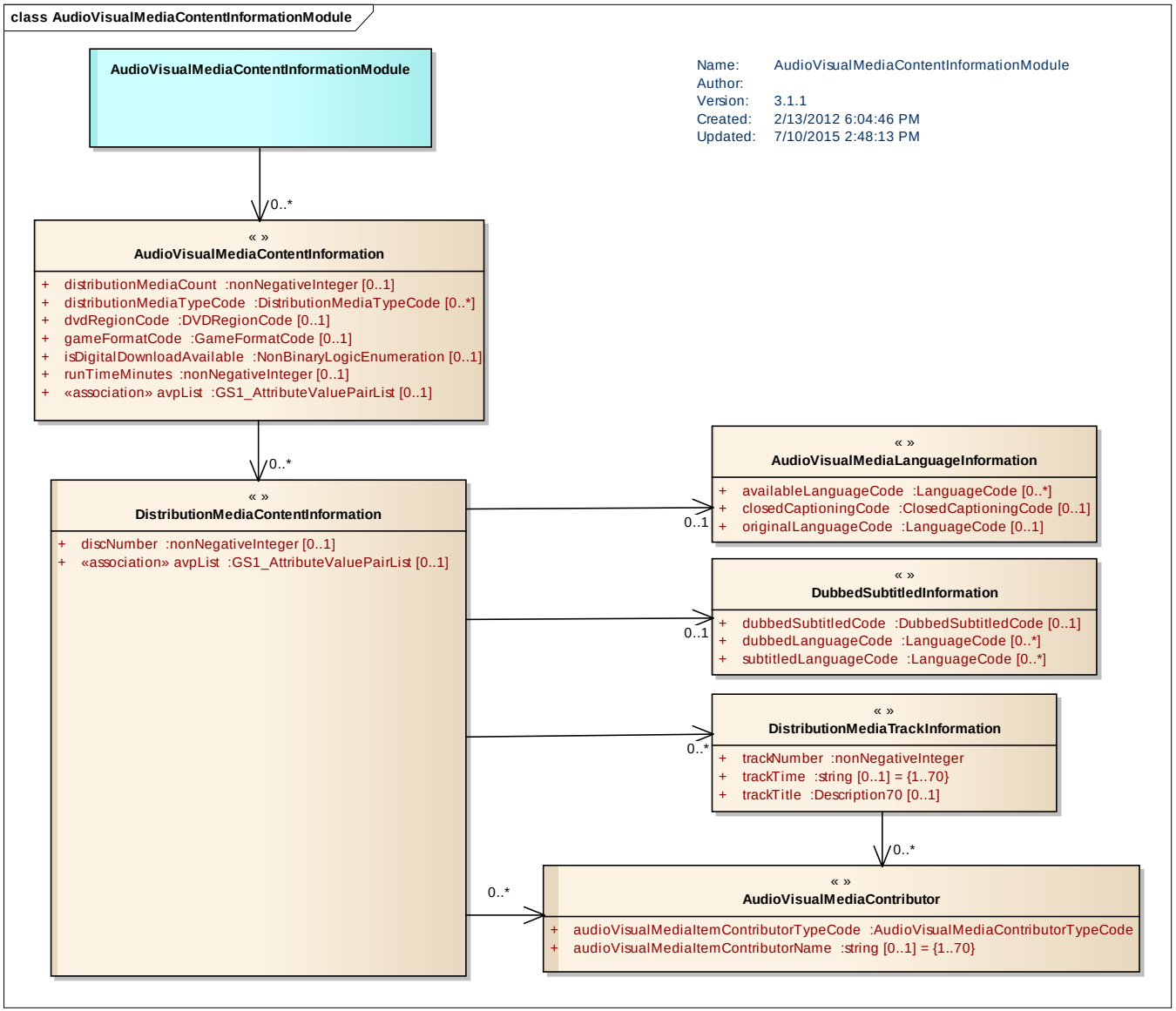
5.5. Audio Visual Media Content Information Module



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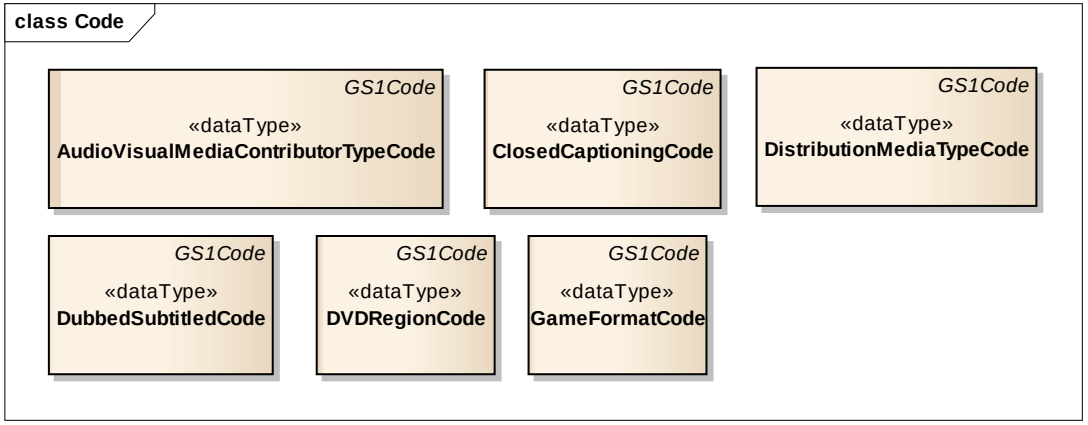

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AudioVisualMediaContentInformationModule				Information on the media included in the package for the purposes of storing the software, games, music, films.
Association		AudioVisualMediaContentInformation	0..*	Information on the media included in the package for the purposes of storing the software, games, music, films.
AudioVisualMediaContentInformation				Information on the media included in the package for the purposes of storing the software, games, music, films.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		DistributionMediaContentInformation	0..*	Information on the content of the distribution media.
Attribute	distributionMediaCount	nonNegativeInteger	0..1	The quantity of media storage devices that are included in the package for the purposes of storing the software.
Attribute	distributionMediaTypeCode	DistributionMediaTypeCode	0..*	The type of media storage devices that are included in the package for the purposes of storing the software for example memory sticks, discs, cartridges.
Attribute	dvdRegionCode	DVDRegionCode	0..1	A code that identifies the region in which the DVD will be sold. Only DVDs and DVD players with matching codes will work unless the DVD player has been “de-zoned”.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	gameFormatCode	GameFormatCode	0..1	Code that identifies the electronic environment or system needed to use the electronic game. For example X-Box, Game Cube, PS2
Attribute	isDigitalDownloadAvailable	NonbinaryLogicEnumeration	0..1	Indicates if the title is available in the digital download format.
Attribute	runTimeMinutes	nonNegativeInteger	0..1	The length of a media item expressed in minutes.
AudioVisualMediaContributor				Information on the contributor to the audio, visual media item for example artist or producer.
Attribute	audioVisualMediaItemContributorTypeCode	AudioVisualMediaContributorTypeCode	1..1	A code identifying the type of contributor to media content for example artist, producer, director.
Attribute	audioVisualMediaItemContributorName	string	0..1	The name of the contributor of the media content for example artist, producer, director.
AudioVisualMediaLanguageInformation				Logical Grouping of Information relating to the language of an audio, visual or media related trade item..
Attribute	availableLanguageCode	LanguageCode	0..*	The available languages used to interface with the consumer.
Attribute	closedCaptioningCode	ClosedCaptioningCode	0..1	A code that indicates if the film has closed captions, no closed captions or if this information is unknown.
Attribute	originalLanguageCode	LanguageCode	0..1	The code of the language in which the film is released. It is the language spoken on the screen.
DubbedSubtitledInformation				Logical grouping of subtitle information.
Attribute	dubbedSubtitledCode	DubbedSubtitledCode	0..1	A code that indicates if the film is dubbed, subtitled or dubbed and subtitled. Subtitled = the film has caption translating dialogue. Dubbed = The film has a translated alternative soundtrack. Dubbed and subtitled = the film has caption to translate dialogue and a translated soundtrack.
Attribute	dubbedLanguageCode	LanguageCode	0..*	A code that identifies the dubbed language of a film.
Attribute	subtitledLanguageCode	LanguageCode	0..*	A code that identifies the language used in a trade item's subtitles.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DistributionMediaContentInformation				Logical grouping of information relating to the content of a particular distribution media.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		DubbedSubtitledInformation	0..1	Logical grouping of subtitle information.
Association		DistributionMediaTrackInformation	0..*	Logical grouping of information relating to the content of a particular distribution media
Association		AudioVisualMediaLanguageInformation	0..1	Language information for the audio visual media product.
Association		AudioVisualMediaContributor	0..*	Information on any contributors to the audio visual media item for example producer.
Attribute	discNumber	nonNegativeInteger	0..1	The number allocated to a disc, beginning with 1
DistributionMediaTrackInformation				Logical grouping of information relating to the content of a particular distribution media
Association		AudioVisualMediaContributor	0..*	Information on any contributors to the audio visual media item for example producer.
Attribute	trackNumber	nonNegativeInteger	1..1	The number allocated to a disc, beginning with 1
Attribute	trackTime	string	0..1	The length of the track expressed in hours and minutes and seconds.
Attribute	trackTitle	Description70	0..1	The name of the the track or section of the audio visual media trade item.

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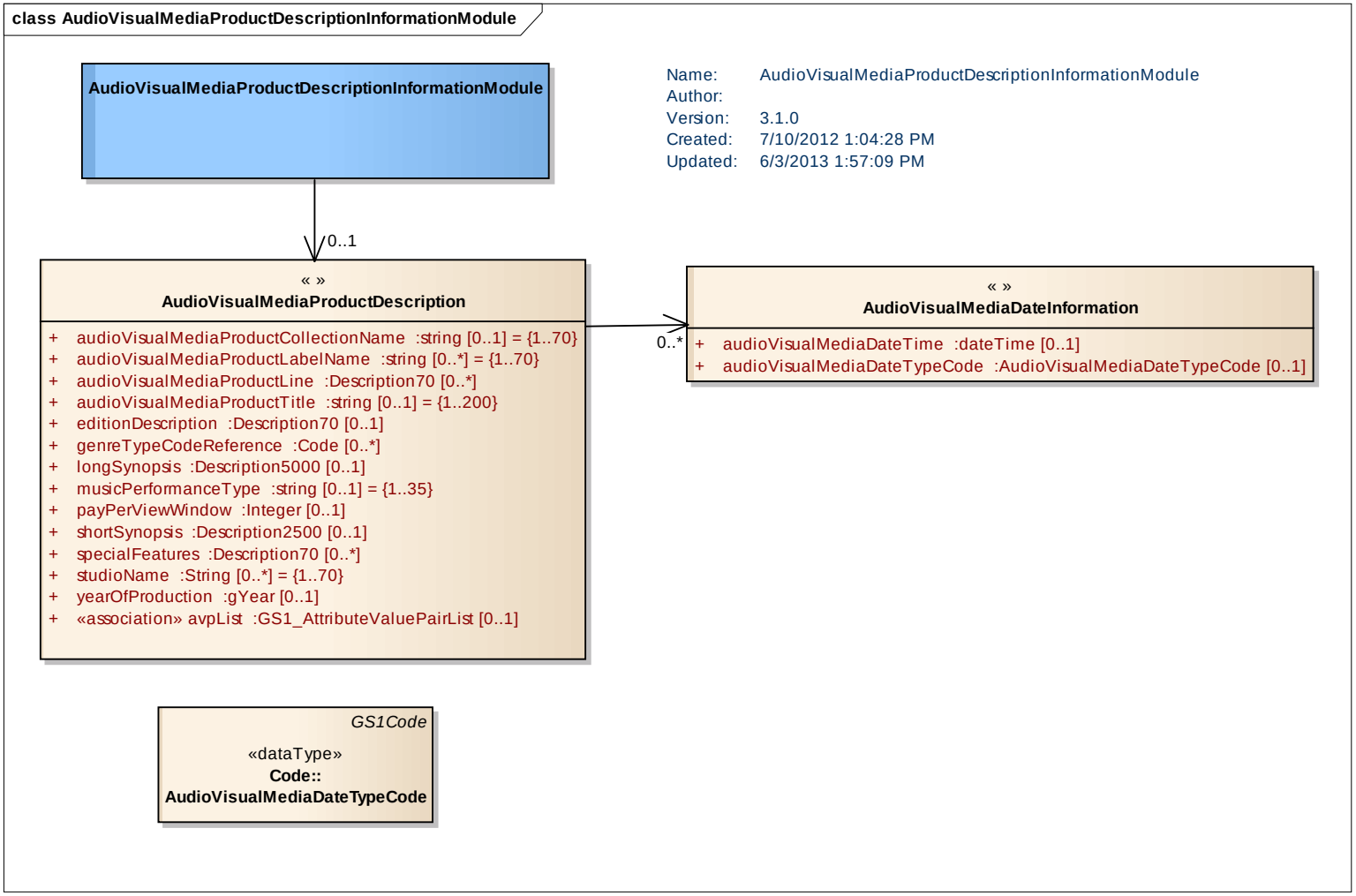
5.6. Audio Visual Media Product Description Module



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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AudioVisualMediaDateInformation				Information on dates that are specific to audio visual media products for example release date.
Attribute	audioVisualMediaDateTime	dateTime	0..1	The date for audio or visual media products for example release date.
Attribute	audioVisualMediaDateTypeCode	AudioVisualMediaDateTypeCode	0..1	A code specifying the type of date for audio or visual media products for example release date.
AudioVisualMediaProductDescriptionInformationModule				A module containing information on the genre and content of an entertainment related product (eg. movies, music) including format and genre.
Association		AudioVisualMediaProductDescription	0..1	Information on the genre and content of an entertainment related product (eg. movies, music) including format and genre.
AudioVisualMediaProductDescription				Information on the genre and content of an entertainment related product (eg. movies, music) including format and genre.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		AudioVisualMediaDateInformation	0..*	Date information for an audio or visual media product.
Attribute	audioVisualMediaProductCollectionName	string	0..1	The name of a series of music publications grouped under a common theme. The name of the collection is printed on the package of the trade item.
Attribute	audioVisualMediaProductLabelName	string	0..*	The name of the company (called label in the music industry) that made the music publication.
Attribute	audioVisualMediaProductLine	Description70	0..*	The name of the product line that the trade item belongs to. A product line is a price grouping.
Attribute	audioVisualMediaProductTitle	string	0..1	Title of the audio visual media product.
Attribute	editionDescription	Description70	0..1	A text that describes the edition of the audio or visual media product.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	genreTypeCodeReference	Code	0..*	The code of the genre of media item. The genre is a categorization of the trade item based upon the content and is maintained for marketing and merchandising purposes. The GS1 Code List used differs based on product: • Product Genre Type Code (Electronic Games) • Product Genre Type Code (Film) • Product Genre Type Code (Music).
Attribute	longSynopsis	Description5000	0..1	An extended text that describes the plot of a film.
Attribute	musicPerformanceType	string	0..1	A text description that indicates the conditions in which the recording took place.
Attribute	payPerViewWindow	integer	0..1	The number of days of the pay per view window. The pay per view window is the timeframe when a film is available as pay per view on a cable TV channel.
Attribute	shortSynopsis	Description2500	0..1	A short text that describes the plot of a film.
Attribute	specialFeatures	Description70	0..*	A text that describes the contents of the trade item in terms of special features. This is not related to a specific disk.
Attribute	studioName	string	0..*	The name of the company (called studio in the film industry) that made the publication.
Attribute	yearOfProduction	gYear	0..1	The year during which the film was produced.

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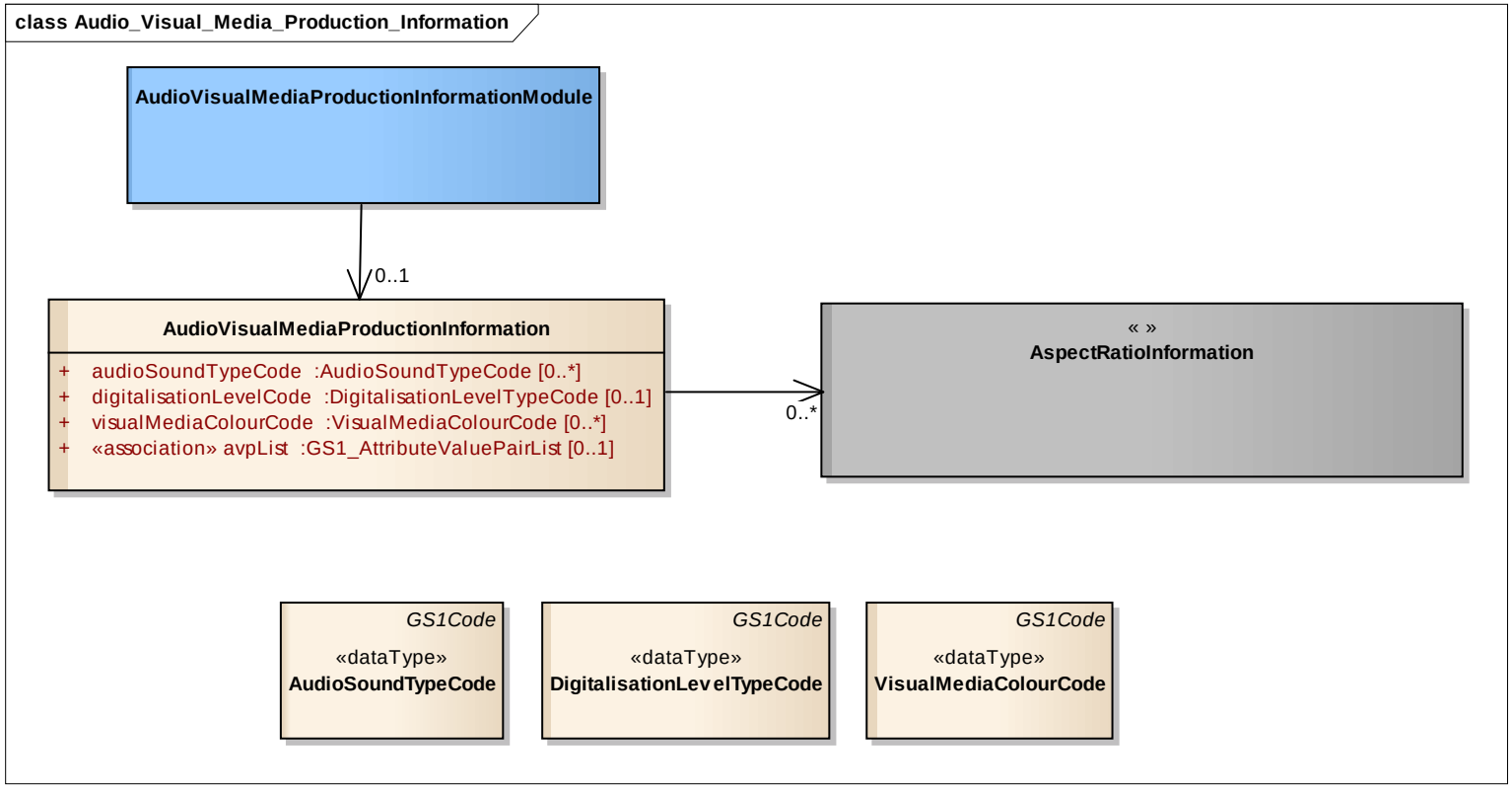
5.7. Audio Visual Media Production Information Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AudioVisualMediaProductionInformation				Information on the production of the audio, visual or media publication.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Association		AspectRatioInformation	0..*	Aspect Ratio information for an audio visual media product.
Attribute	audioSoundTypeCode	AudioSoundTypeCode	0..*	A code that indicates the type of audio sound available on the trade item.
Attribute	digitalisationLevelCode	DigitalisationLevelTypeCode	0..1	A code that indicates the way a record was produced. Three stages are involved in production: recording, editing/mixing and dubbing/transfer. Recording and editing/mixing stages can be analogue or digital. If digital, the stage is coded D. If analogue, the stage is coded A. “ADD” means that the recording was analogue and the editing/mixing was digital.
Attribute	visualMediaColourCode	VisualMediaColourCode	0..*	A code that indicates the colour system used in a film publication.
AudioVisualMediaProductionInformationModule				Information on the production of the audio.
Association		AudioVisualMediaProductionInformation	0..1	Information on the production of the audio.

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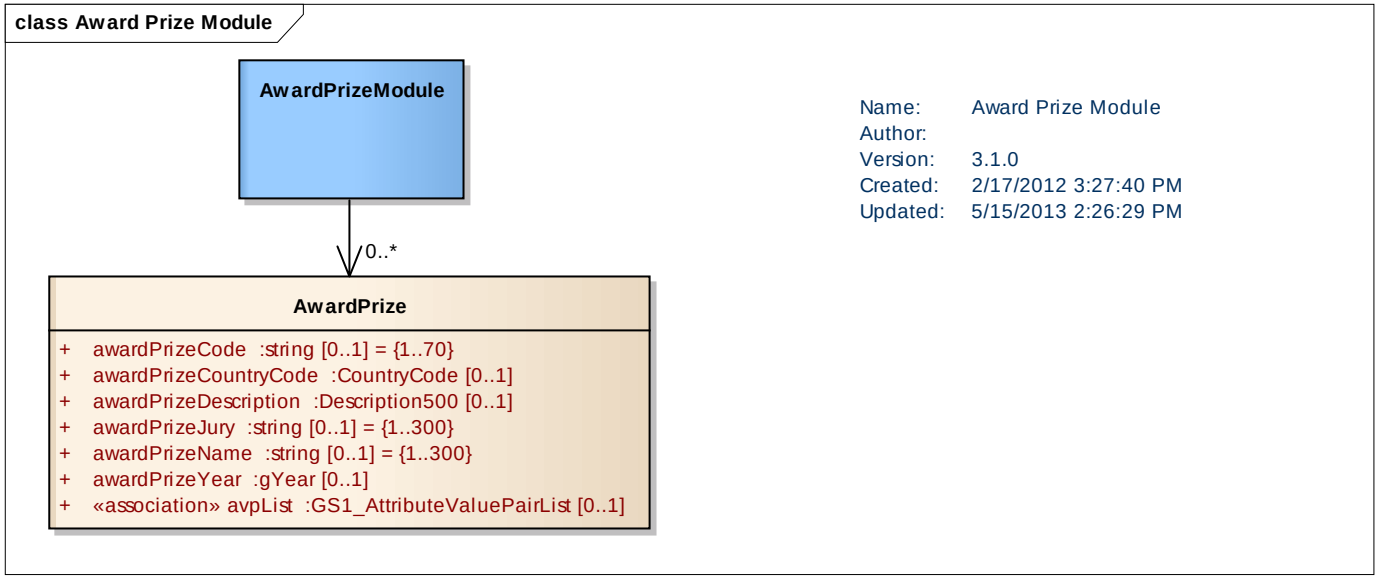
5.8. Award Prize Module



content	attribute / role	datatype /secondary class	multiplicity	definition
AwardPrize				Describes a prize or award won by the product.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	awardPrizeCode	string	0..1	Indicates the achievement of the product in relation to a prize or award, eg winner, runner-up, shortlisted. Optional and non-repeating.
Attribute	awardPrizeCountryCode	CountryCode	0..1	An ISO standard code identifying the country in which a prize or award is given
Attribute	awardPrizeDescription	Description500	0..1	A text that describes the awards a film won.
Attribute	awardPrizeJury	string	0..1	Free text listing members of the jury that awarded the prize.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	awardPrizeName	string	0..1	The name of a prize or award which the product has received.
Attribute	awardPrizeYear	gYear	0..1	The year in which a prize or award was given.
AwardPrizeModule				A module describing a prize or award won by the product.
Association		AwardPrize	0..*	Describes a prize or award won by the product.

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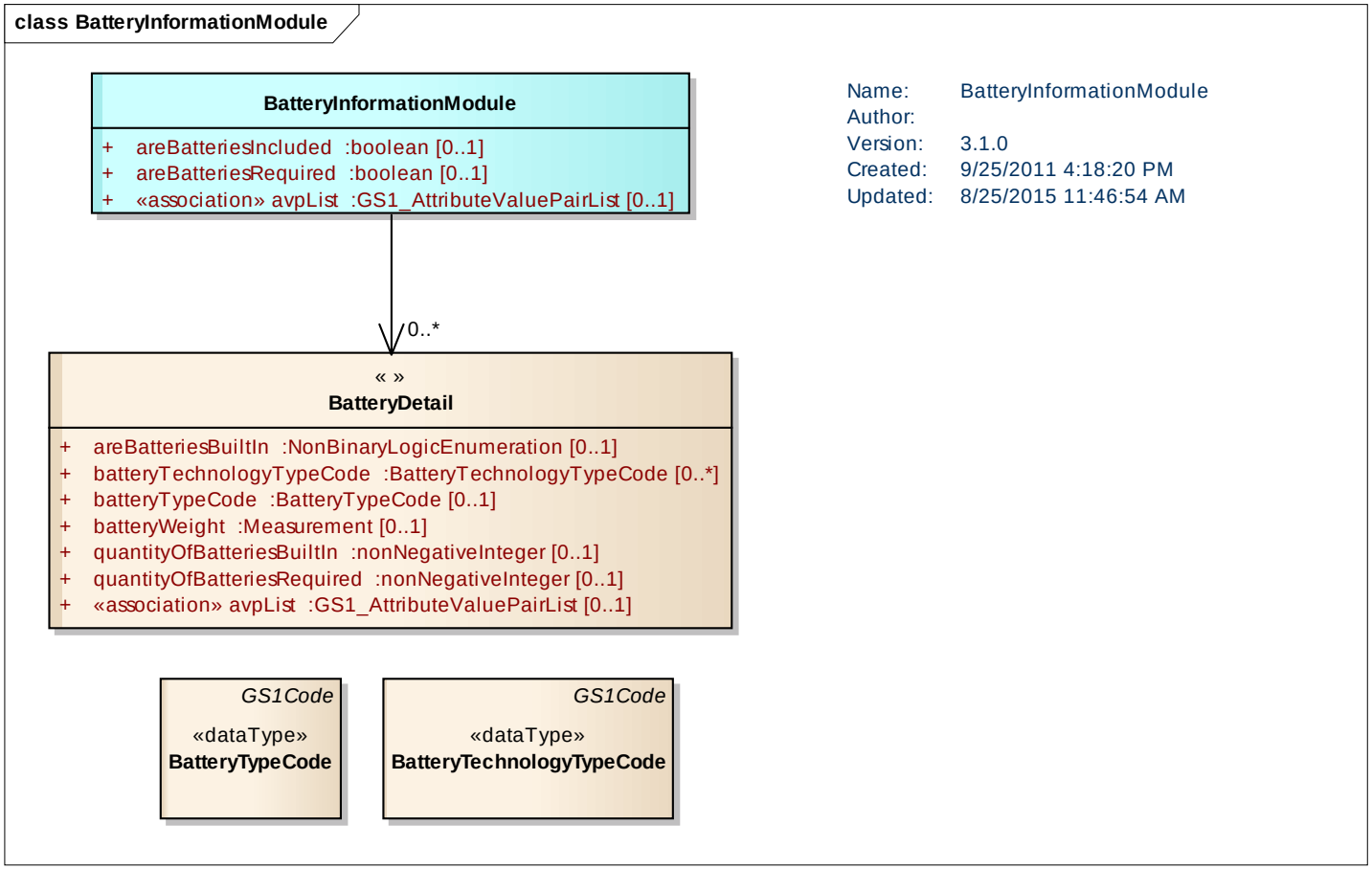
5.9. Battery Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
BatteryInformationModule				Battery information for a trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		BatteryDetail	0..*	Battery details for a trade item.
Attribute	areBatteriesIncluded	boolean	0..1	Indicates if batteries are either included or not included with the trade item.
Attribute	areBatteriesRequired	boolean	0..1	Indicates if batteries are required to operate the trade item.
BatteryDetail				Logical grouping of information related to the type of battery required for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	areBatteriesBuiltIn	NonBinaryLogicEnumeration	0..1	This code is defined as an indicator whether or not any batteries included with the trade item are built into the trade item during manufacturing. and cannot be changed or removed.
Attribute	batteryTechnologyTypeCode	BatteryTechnologyTypeCode	0..*	The type of battery family (e.g. Lithium, NiMH) of batteries used by the product.
Attribute	batteryTypeCode	BatteryTypeCode	0..1	Type of battery required to operate the game. If “Are Batteries Required” or if “Quantity of Batteries" is populated or if "Are Batteries Included = “Yes” this attribute is required.
Attribute	batteryWeight	Measurement	0..1	The weight of each battery included with or built into the trade item.
Attribute	quantityOfBatteriesBuiltIn	nonNegativeInteger	0..1	The quantity of batteries built into the trade item during manufacturing. This includes batteries that can or cannot be changed or removed.
Attribute	quantityOfBatteriesRequired	nonNegativeInteger	0..1	The number of batteries required to operate the trade item.

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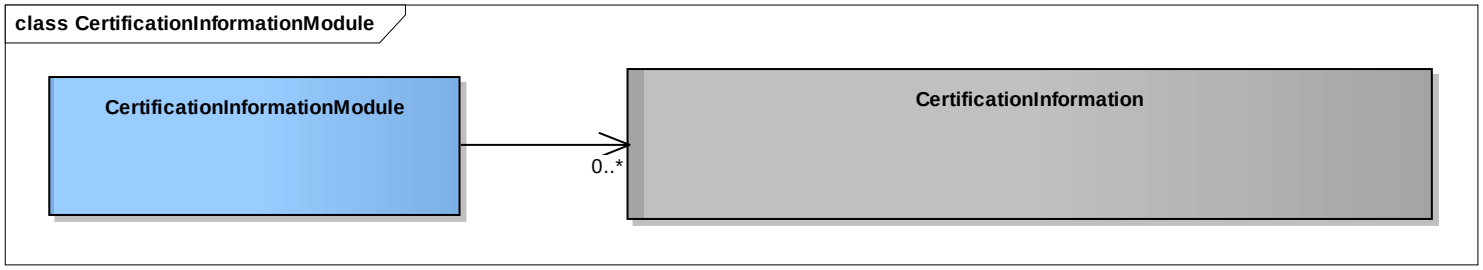
5.10. Certification Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
CertificationInformationModule				A module containing information on certification standards to which the trade item, or the process by which it is manufactured, sourced or supplied complies.
Association		CertificationInformation	0..*	Information on certification standards to which the trade item, or the process by which it is manufactured, sourced or supplied complies.

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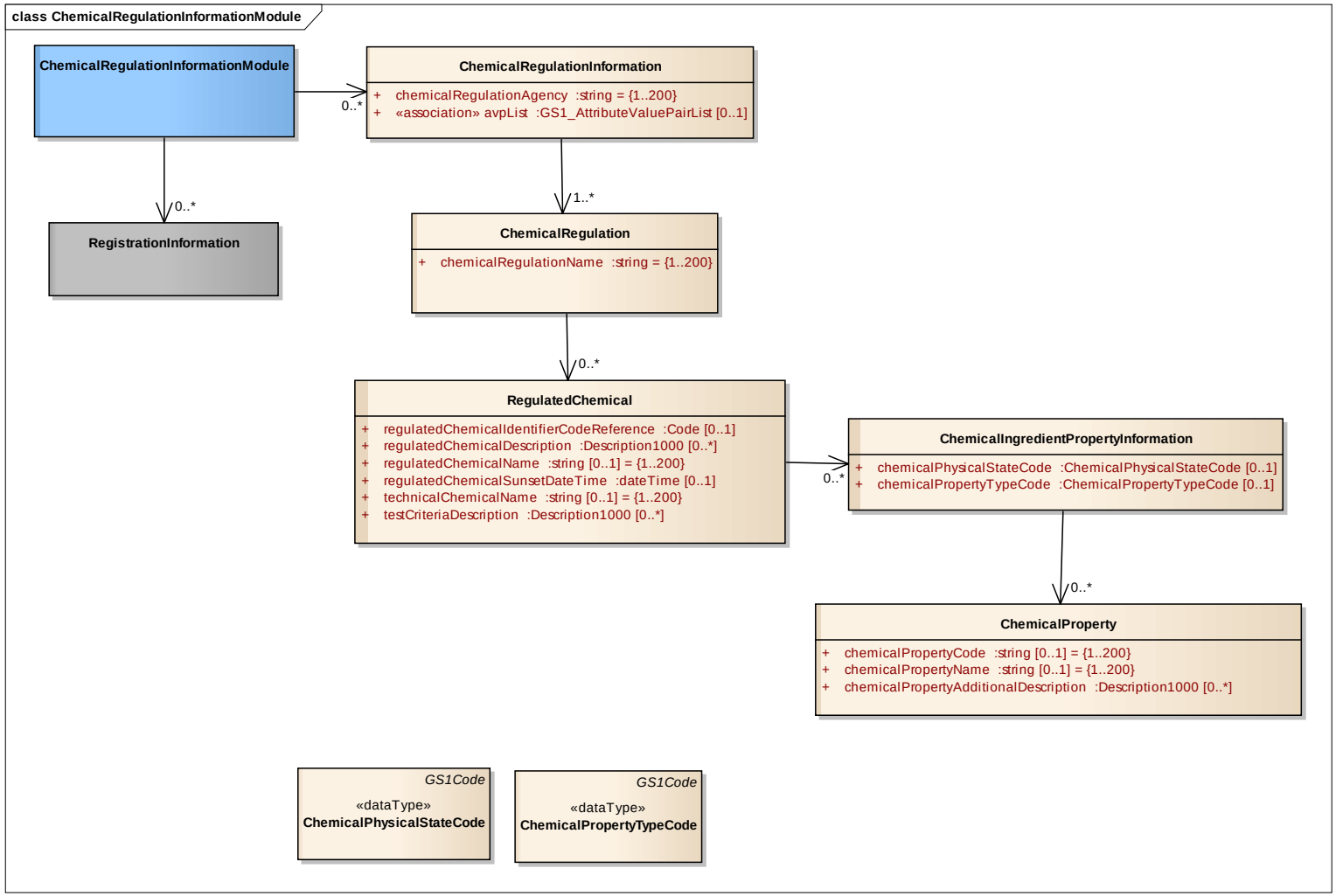
5.11. Chemical Regulation Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
ChemicalIngredientPropertyInformation				Information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.
Association		ChemicalProperty	0..*	Chemical property information for a regulated chemical.
Attribute	chemicalPhysicalStateCode	ChemicalPhysicalStateCode	0..1	The state of matter of the trade item, for example LIQUID.
Attribute	chemicalPropertyTypeCode	ChemicalPropertyTypeCode	0..1	The type of chemical property being described expressed as a code such as TOXICITY.
ChemicalProperty				A characteristic of a chemical substance for example radionuclide .
Attribute	chemicalPropertyCode	string	0..1	A characteristic of a chemical substance expressed as a code.
Attribute	chemicalPropertyName	string	0..1	A characteristic of a chemical substance expressed as a name for example radionuclide.
Attribute	chemicalPropertyAdditionalDescription	Description1000	0..*	A description of any conditions regarding a toxicity property for example a route of exposure and a target organ (e.g. inhalation and lungs).
ChemicalRegulation				A regulation managed by a regulatory agency to designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA.
Association		RegulatedChemical	0..*	A chemical regulated by a chemical regulation.
Attribute	chemicalRegulationName	string	1..1	The name of a regulation managed by a regulatory agency designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA.
ChemicalRegulationInformation				Provides information on any chemical lists that pertain to the trade item for example CERCLA Priority List.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		ChemicalRegulation	1..*	A regulation managed by a regulatory agency to designed to restrict the handling, use, disposal of chemical ingredients for example Right to Know or CERCLA.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	chemicalRegulationAgency	string	1..1	An agency that regulates chemicals for example the US Environmental Protection Agency.
RegulatedChemical				Provides details on any chemical regulated by a chemical regulation.
Association		ChemicalIngredientPropertyInformation	0..*	Provides any required chemical property for example Toxicity.
Attribute	regulatedChemicalIdentifierCodeReference	Code	0..1	An identifier for a regulated chemical for example a CAS number.
Attribute	regulatedChemicalDescription	Description1000	0..*	A text description of the regulated chemical or formula.
Attribute	regulatedChemicalName	string	0..1	The name of a chemical regulated by a chemical regulation for example Chlorobenzene.
Attribute	regulatedChemicalSunsetDateTime	dateTime	0..1	As the date from which the placing on the market and the use of a substance is prohibited or restricted.
Attribute	technicalChemicalName	string	0..1	The official technical name for a chemical as required by a managing agency for example mercuric chloride.
Attribute	testCriteriaDescription	Description1000	0..*	A description of any the criteria or test data being used to determine if a regulated chemical for example “Subject to Acute toxicity tests”.
ChemicalRegulationInformationModule				A module containing information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.
Association		RegistrationInformation	0..*	Registration information for a chemical or substance for example a pesticide.
Association		ChemicalRegulationInformation	0..*	Information on any chemical properties a chemical may have according to a specific regulation for example carcinogen.

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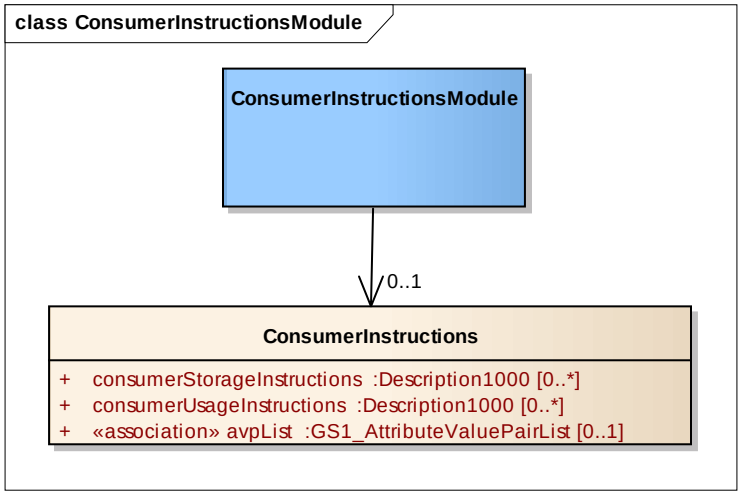
5.12. Consumer Instructions Module



content	attribute / role	datatype /secondary class	multiplicity	definition
ConsumerInstructionsModule				A module contain instructions on how the consumer is to use or store a trade item.
		ConsumerInstructions	0..1	Instructions on how the consumer is to use or store a trade item.
ConsumerInstructions				Instructions on how the consumer is to use or store a trade item.
	consumerStorageInstructions	Description1000	0..*	Expresses in text the consumer storage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a suggested storage temperature, a specific storage requirement.

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content	attribute / role	datatype /secondary class	multiplicity	definition
	consumerUsageInstructions	Description1000	0..*	Expresses in text the consumer usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a the how the consumer is to use the product, This does not include storage, food preparations, and drug dosage and preparation instructions.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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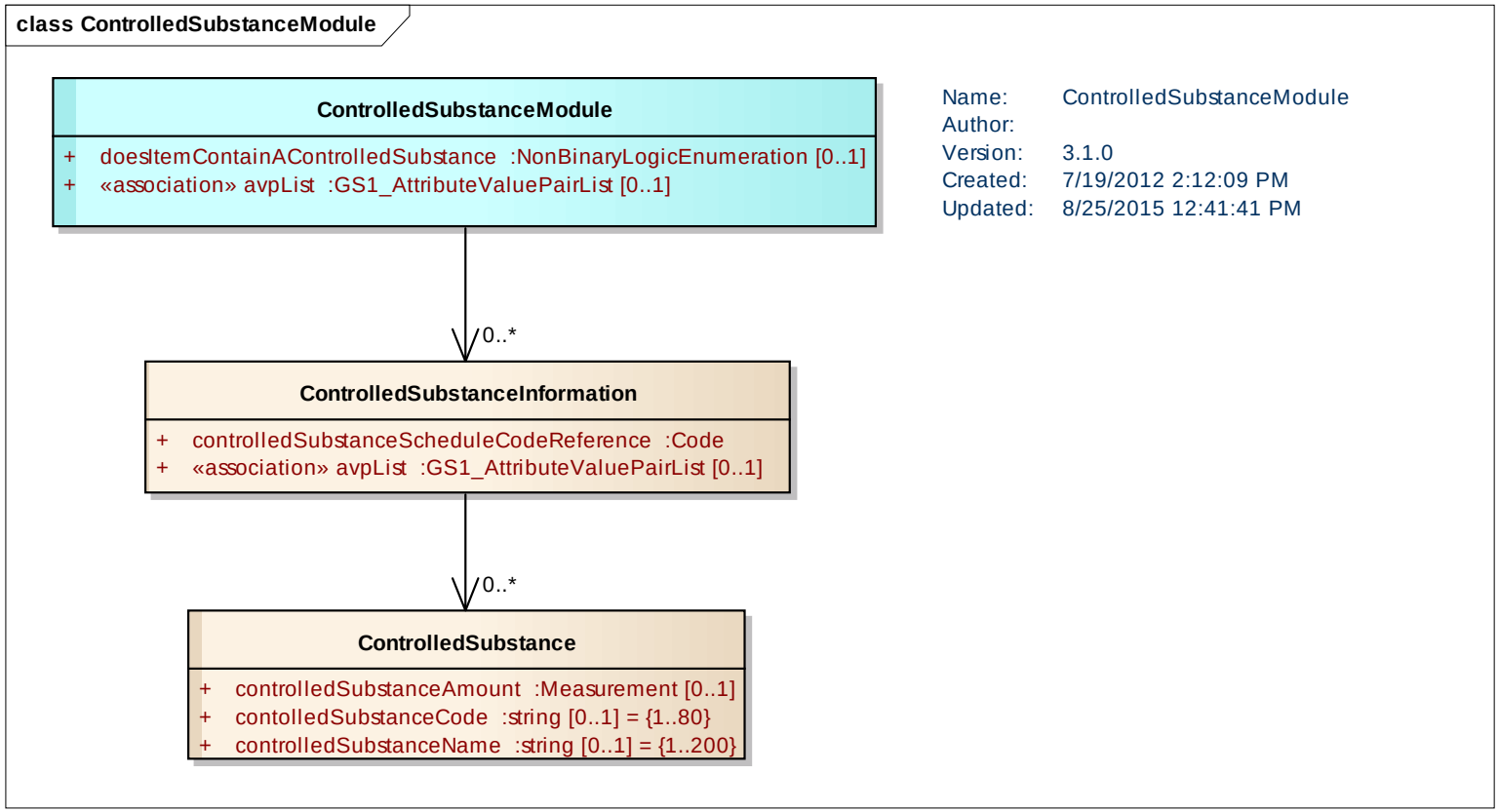
5.13. Controlled Substances Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
ControlledSubstance				Information on the containment of controlled substances
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	controlledSubstanceAmount	Measurement	0..1	The numeric amount of a specific substance the item contains that is regulated under law as narcotics, stimulants, depressants, hallucinogens, anabolic steroids, and chemicals used in the illicit production of controlled substances
Attribute	contolledSubstanceCode	string	0..1	A code identifiying the specific substance the item contains that is regulated under law as narcotics, stimulants, depressants, hallucinogens, anabolic steroids, and chemicals used in the illicit production of controlled substances
Attribute	controlledSubstanceName	string	0..1	The name of a specific substance the item contains that is regulated under law as narcotics, stimulants, depressants, hallucinogens, anabolic steroids, and chemicals used in the illicit production of controlled substances
ControlledSubstanceInformation				Information on controlled substances based upon the degree of the substance's medicinal value, harmfulness, and potential for abuse or addiction.
Association		ControlledSubstance	0..*	Information on the containment of controlled substances.
Attribute	controlledSubstanceScheduleCodeReference	Code	1..1	A code that rates a controlled substance based upon the degree of the substance's medicinal value, harmfulness, and potential for abuse or addiction
ControlledSubstanceModule				Information on the containment of controlled substances.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		ControlledSubstanceInformation	0..*	Controlled Substance Information for a trade item.
Attribute	doesItemContainAControlledSubstance	NonBinaryLogicEnumeration	0..1	Indicates whether the item contains substances that are regulated under law as narcotics, stimulants, depressants, hallucinogens, anabolic steroids, and chemicals used in the illicit production of controlled substances

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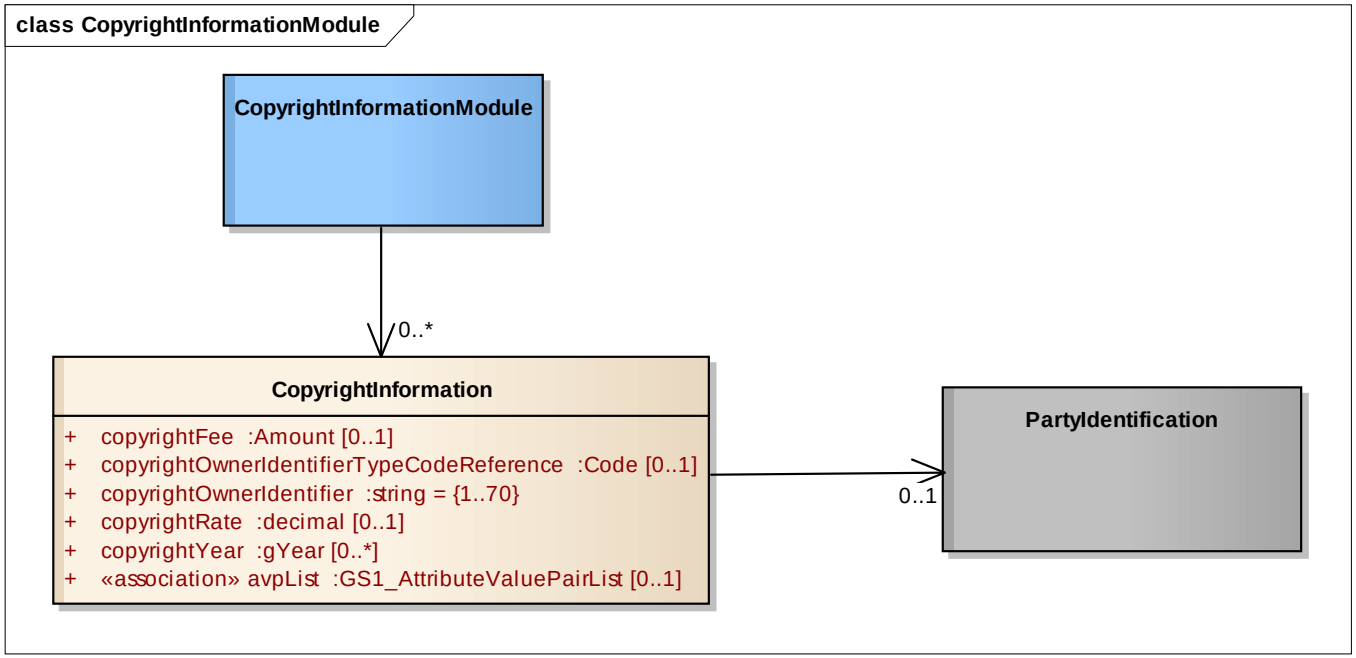
5.14. Copyright Information Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
CopyrightInformation				A group of data elements which together represent a copyright statement for the product.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		PartyIdentification	0..1	GS1 Party Identification for a Publication Copyright
Attribute	copyrightFee	Amount	0..1	A fee paid to the content owner for use of the Trade Item or an associated part of the Trade Item.
Attribute	copyrightOwnerIdentifierTypeCodeReference	Code	0..1	Identifies the scheme from which the value in the copyrightOwnerIdentifier attribute is taken.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	copyrightOwnerIdentifier	string	1..1	An identifier of the owner of the copyright on a trade item. This could be the person who creates a piece of work though it may also be a company that pays a person to create a work.
Attribute	copyrightRate	decimal	0..1	A rate paid to the content owner for use of the trade item or an associated part of the trade item.
Attribute	copyrightYear	gYear	0..*	The copyright year as it appears in a copyright statement on the product.
CopyrightInformationModule				A group of data elements which together represent a copyright statement for the product.
Association		CopyrightInformation	0..*	A group of data elements which together represent a copyright statement for the product.

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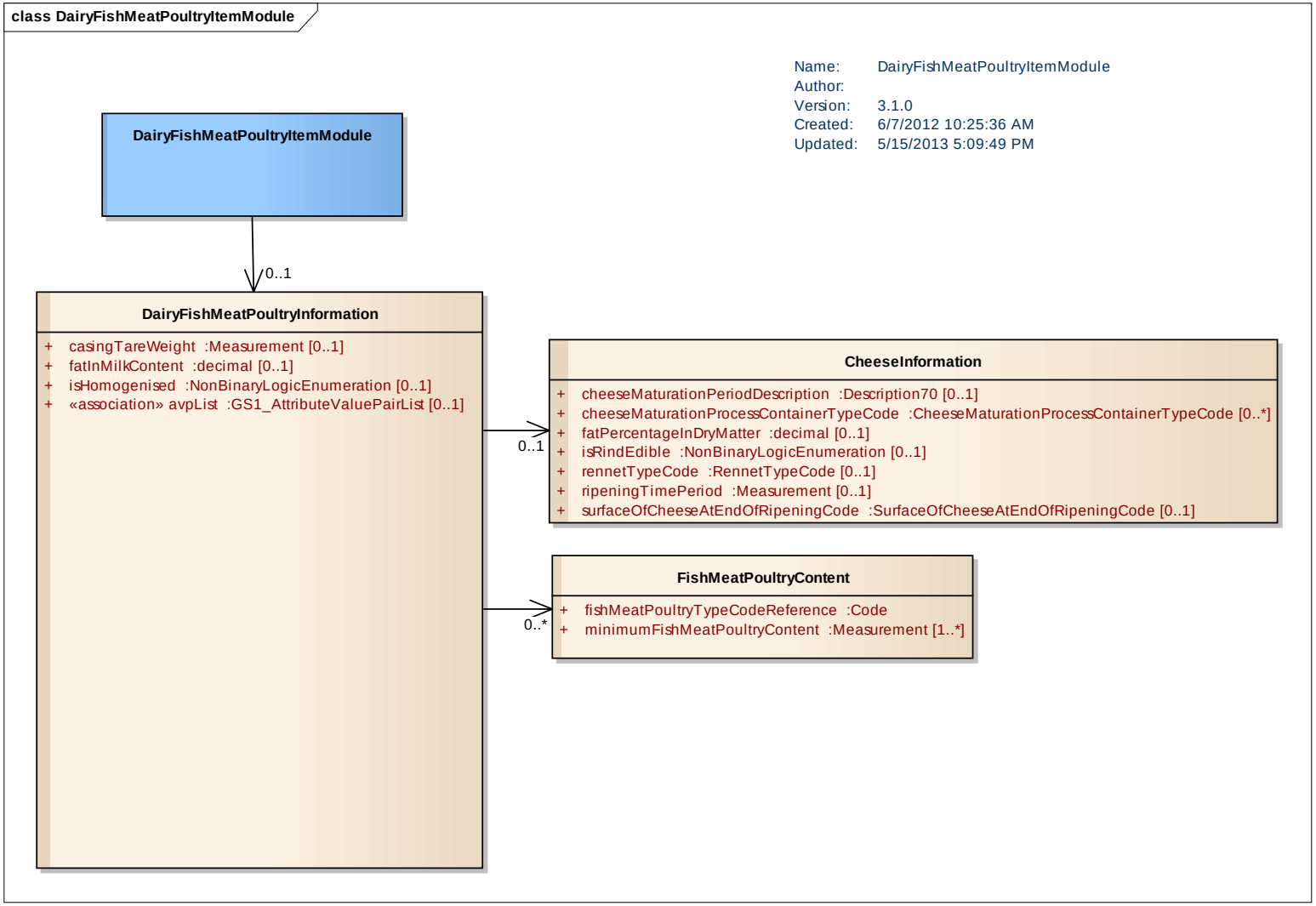
5.15. Dairy Fish Meat Poultry Item Module



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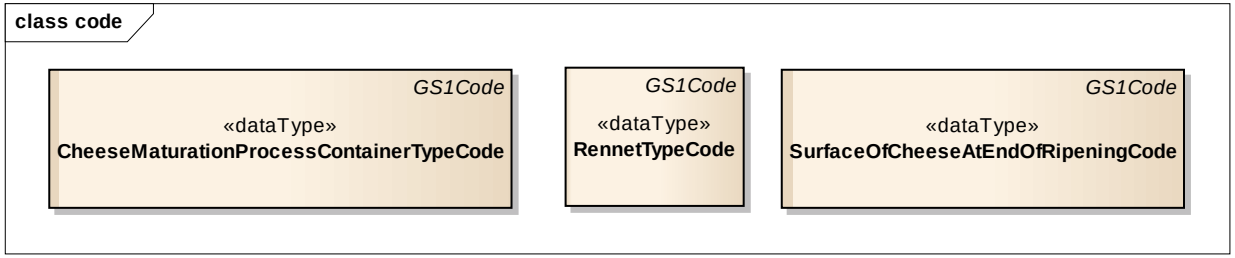

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DairyFishMeatPoultryItemModule				Content and processing related information specific to dairy, fish, meat and poultry products.
Association		DairyFishMeatPoultryInformation	0..1	Content and processing related information specific to dairy, fish, meat and poultry products.
CheeseInformation				Trade Item information related to Cheese
Attribute	cheeseMaturationPeriodDescription	Description70	0..1	A descriptive way to specify a date range as some cheeses are matured over a period of time, but not an exact period. For example 3 to 4 weeks, over 1 year etc. The term maturation is also known in other markets as Aged.
Attribute	cheeseMaturationProcessContainerTypeCode	CheeseMaturationProcessContainerTypeCode,	0..*	The type of container that the process of maturation cheese occurs in. The container directly influences the flavour of the cheese. The term maturation is also know in other markets as Aged.
Attribute	fatPercentageInDryMatter	Decimal	0..1	The amount of fat contained in the base product expressed in percentage.
Attribute	isRindEdible	NonBinaryLogicEnumeration	0..1	An indicator whether or not the cheese rind is edible. Some cheeses are coated in plastic or their surface is treated with other traditional substances to increase their shelf life. This can result in the rind no longer being edible.
Attribute	rennetTypeCode	RennetTypeCode	0..1	The type of rennet used for coagulation. The enzyme rennet is used for the coagulation of the cheese mass. Rennet and respectively similar enzymes can be gained through various processes.
Attribute	ripeningTimePeriod	Measurement	0..1	The period of time for ripening the cheese. During ripening the aroma and consistency of a cheese constantly changes. The character of a cheese is thus strongly determined by the period of ripening. Depending on personal preference, the end consumer prefers either a "young" or a "mature" cheese.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	surfaceOfCheeseAtEndOfRipeningCode	surfaceOfCheeseAtEndOfRipeningCode	0..1	The representation of whether or not a cheese contains a rind at the end of the maturing process. A Rind is the outside shell of cheese that forms during the cheese making process. Rinds are natural and usually edible, as opposed to other coverings, such as wax and cloth, that are inedible.
DairyFishMeatPoultryInformation				Content and processing related information specific to dairy, fish, meat and poultry products.
Attribute	fatInMilkContent	Decimal	0..1	The percentage of fat contained in milk content of the product.
Attribute	isHomogenised	NonBinaryLogicEnumeration	0..1	The indication whether or not the milk used was actively homogenised. The homogenisation of milk is a technical process in the dairy. The milk fat is milled to such an extent that further creaming is prevented.
Attribute	casingTareWeight	Measurement	0..1	The weight measurement of the "food casing". A casing for food products is a flexible tubing into which foods are stuffed to provide a skin-tight covering. Used in packaging prepared meats, poultry, cheese, and other food products. Casings may be made of animal intestines or synthetic materials such as regenerated cellulose, various plastics, fibrous compounds, and rubber film. "Tare Weight – food casing" applies to the "each" level.
Association		CheeseInformation	0..1	Information specific to cheese trade items.
Association		FishMeatPoultryContent	0..*	Content and processing related information specific to fish, meat and poultry products.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
FishMeatPoultryContent				Fish, meat and poultry content of a food and beverage trade item.
Attribute	fishMeatPoultryTypeCodeReference	Code	1..1	The fish, meat, or poultry type for this food and beverage item.
Attribute	minimumFishMeatPoultryContent	Measurement	1..*	The minimum amount of fish, meat or poultry contained in a food and beverage trade item expressed as a measurement.

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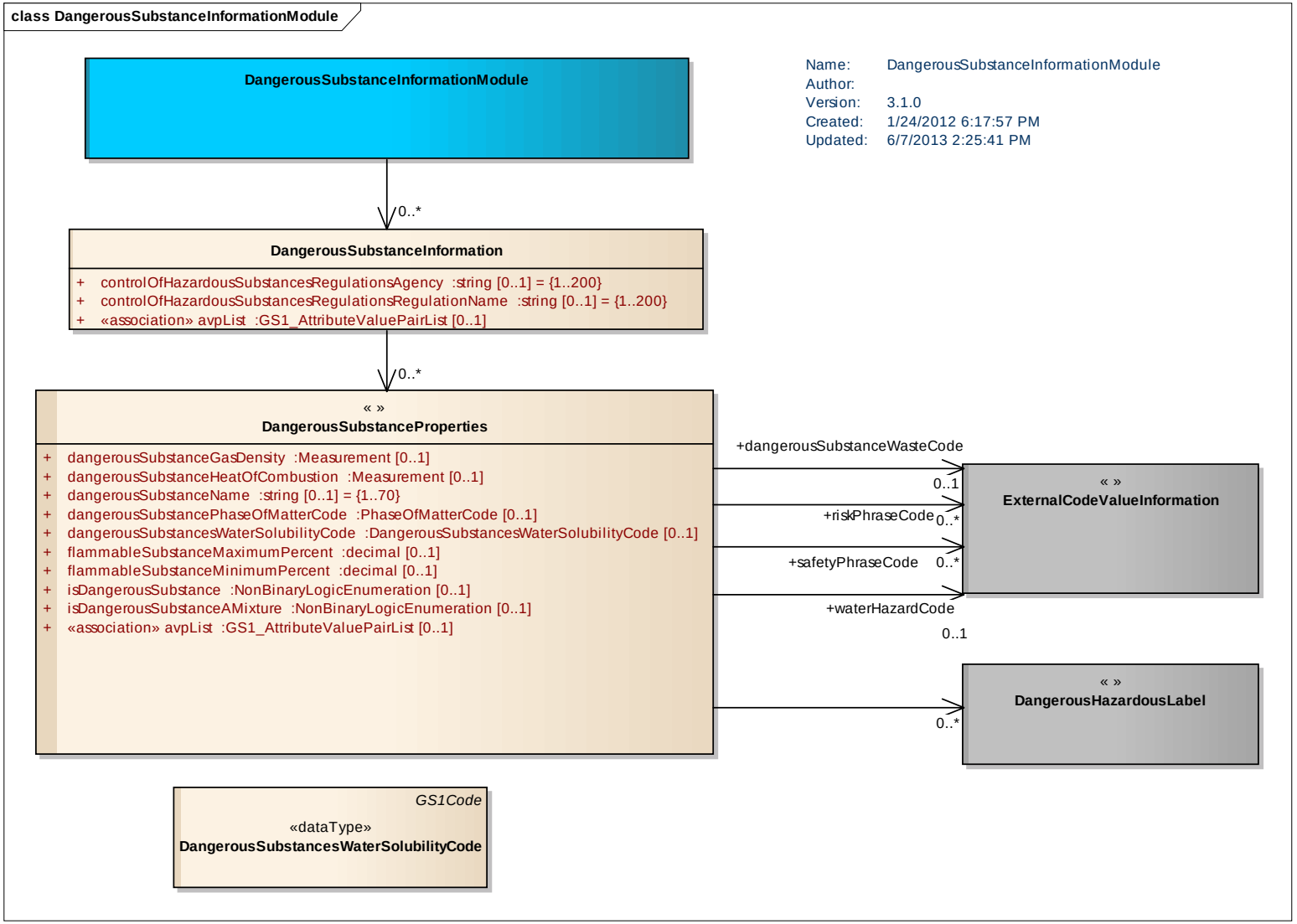
5.16. Dangerous Substance Information Module



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Note: Common class (in grey) is located in the GDSN Common Library.

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DangerousSubstanceInformationModule				A module detailing substances that can harm people, other living organisms, property, or the environment.
Association		DangerousSubstanceInformation	0..*	Details on substances that can harm people, other living organisms, property, or the environment.
DangerousSubstanceInformation				Details on substances that can harm people, other living organisms, property, or the environment.
Association		DangerousSubstanceProperties	0..*	Properties of a dangerous substance.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	controlOfHazardousSubstancesRegulationsAgency	string	0..1	The government or agency that owns regulation controlling hazard substances that may apply to the product.
Attribute	controlOfHazardousSubstancesRegulationsRegulationName	string	0..1	The name of the regulation controlling hazard substances that may apply to the product.
DangerousSubstanceProperties				Details on substances that can harm people, other living organisms, property, or the environment.
Association		GS1_AttributeValuePairList	0..1	Attribute value pair information.
Association		DangerousHazardousLabel	0..*	Information on visible labels on packaging indicating specific risks and required precautions associated with a dangerous/hazardous good.
Association	dangerousSubstanceWasteCode	ExternalCodeValueInformation	0..1	The dangerous substances waste code used to identify the substance's dangerous waste for example the European Waste Catalogue.
Association	riskPhraseCode	ExternalCodeValueInformation	0..*	The abbreviation codes for labelling obligations and special risks (health risks of skin, respiratory organs, swallow, eyes, reproduction) for handling of the substance.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Association	safetyPhraseCode	ExternalCodeValueInformation	0..*	Safety phrases are defined as safety advice concerning dangerous substances and preparations defined in Annex 3 for example (S1): Keep locked up or S12: Do not keep the container sealed.
Association	waterHazardCode	ExternalCodeValueInformation	0..1	A code determining the degree to which the product would pose an environmental hazard to water.
Attribute	dangerousSubstanceGasDensity	Measurement	0..1	The density of gas contained within the trade item. This can be used by the data receiver to determine the total stored amounts of gas within a storage facility in accordance with dangerous substance regulations. Use appropriate measurement for example in Europe (grams per Cubic Centimetre).
Attribute	dangerousSubstanceHeatOfCombustion	Measurement	0..1	The amount of heat generated by the item should it catch on fire expressed as amount of energy per pound for example BTU's (British Thermal Units) per pound.
Attribute	dangerousSubstanceName	string	0..1	The name of the type of dangerous substance contained in the trade item for example Butane.
Attribute	dangerousSubstancePhaseOfMatterCode	PhaseOfMatterCode	0..1	A set of qualitatively different states, depending on temperature and pressure related physical properties. They are divided into solid, liquid,gaseous and mixed forms of the substance.
Attribute	dangerousSubstancesWaterSolubilityCode	DangerousSubstancesWaterSolubilityCode	0..1	A code indicating the solubility or miscibility in respect with water. Solubility is the ability of a given substance to dissolve in a solvent. Miscibility is the property of liquids to mix in all proportions, forming a homogeneous solution.
Attribute	flammableSubstanceMaximumPercent	decimal	0..1	The maximum percentage of the flammable substance contained in the trade item. This can be used by the data receiver to support determining total stored amounts within a storage facility in accordance with dangerous substance regulations.
Attribute	flammableSubstanceMinimumPercent	decimal	0..1	The minimum percentage of the flammable substance contained in the trade item. This can be used by the data receiver to support determining total stored amounts within a storage facility in accordance with dangerous substance regulations.
Attribute	isDangerousSubstance	NonBinaryLogicEnumeration	0..1	An indicator whether or not a trade item is classified and labelled as containing a dangerous substance.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	isDangerousSubstanceAMixture	NonBinaryLogicEnumeration	0..1	An indicator whether or not the dangerous substance is a mixture of several substances.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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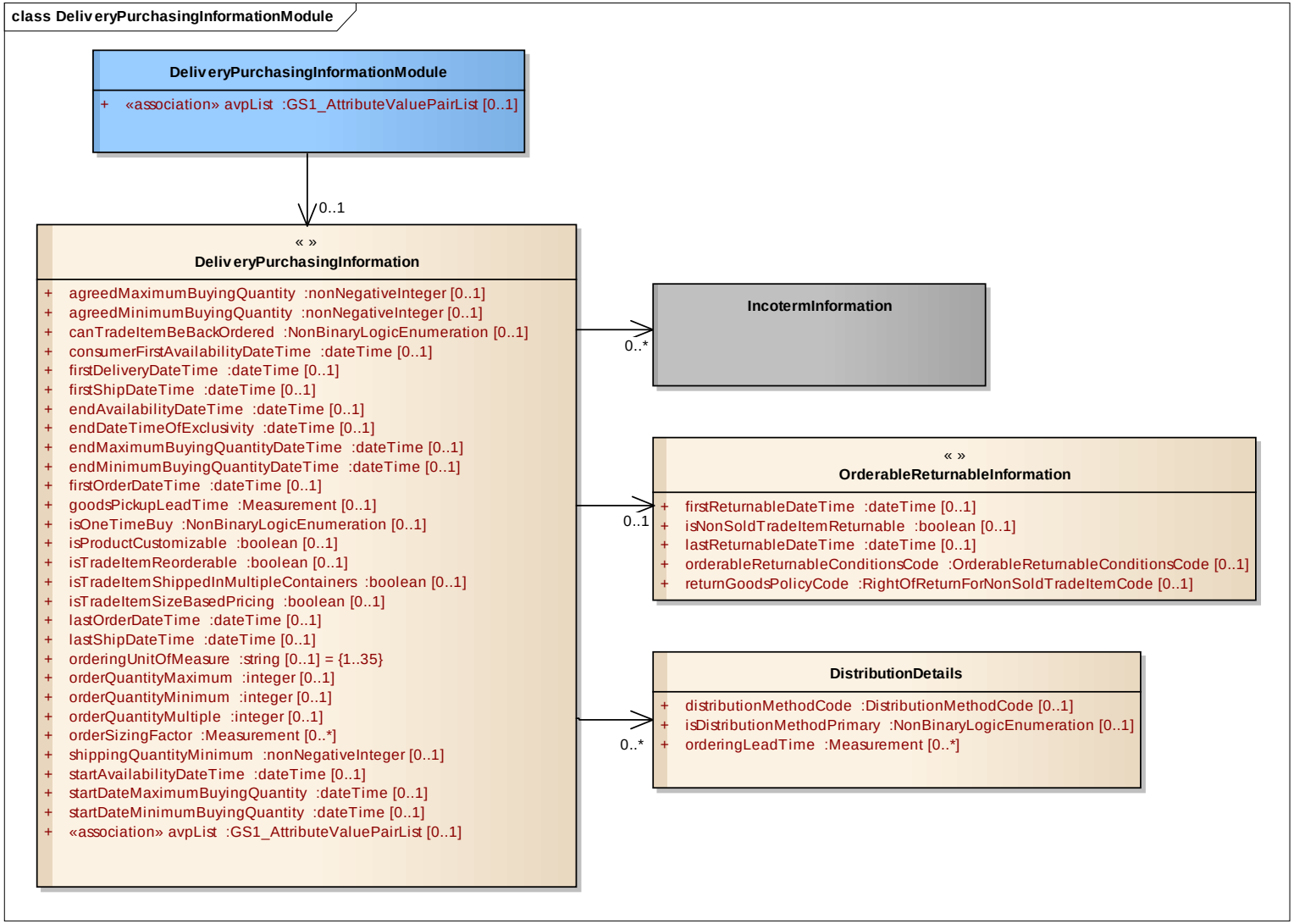
5.17. Delivery Purchasing Information Module



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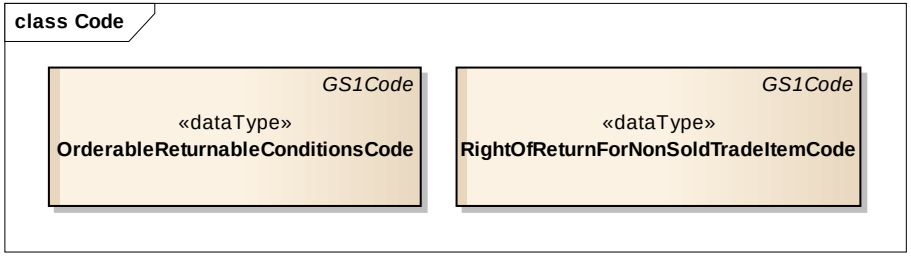

Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
OrderableReturnableInformation				Logical Grouping of Orderable Returnable Information
Attribute	firstReturnableDatetime	dateTime	0..1	The first date on or after which non-sold trade items can be returned. This information provides the retailer with any conditions required by the information provider as to the date on or after which non-sold trade items may be returned in order to receive credit from the appropriate party.
Attribute	isNonSoldTradeItemReturnable	boolean	0..1	Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.
Attribute	lastReturnableDateTime	dateTime	0..1	The last date and time when a non sold trade item must be received by the manufacturer to receive credit.
Attribute	orderableReturnableConditionsCode	OrderableReturnableConditionsCode	0..1	A code that indicates if the trade item can be ordered and returned if non-sold.
Attribute	returnGoodsPolicyCode	RightofReturnForNonSoldTradeItemCode	0..1	A code that describes the policy for defective, damaged or non-salable goods.
DistributionDetails				Delivery details for a trade item.
Attribute	distributionMethodCode	DistributionMethodCode	0..1	The code value that indicates the method of delivery for the trade item.
Attribute	isDistributionMethodPrimary	NonbinaryLogicEnumeration	0..1	Indicates if the delivery method for the trade item is the primary one.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	orderingLeadTime	Measurement	0..*	Lead time required for orders expressed in days.
DeliveryPurchasing Information				Purchasing and delivery information for a trade item.
Association		DistributionDetails	0..*	Delivery details for a trade item.
Association		OrderableReturnableInformation	0..1	Orderable and returnable information.
Association		IncotermInformation	0..*	Information on any incoterms that are applicable to the trade item.
Attribute	agreedMaximumBuyingQuantity	nonNegativeInteger	0..1	The maximum quantity of the product available to the retailer.
Attribute	agreedMinimumBuyingQuantity	nonNegativeInteger	0..1	Minimum buying quantity agreed between trading partners.
Attribute	canTradeItemBeBackOrdered	NonBinaryLogicEnumeration	0..1	An indicator whether or not a customer's order will be processed or will remain valid when it cannot be filled due to insufficient stock.
Attribute	consumerFirstAvailabilityDateTime	dateTime	0..1	The first date/time that the buyer is allowed to sell the trade item to consumers. Usually related to a specific geography. ISO 8601 date format CCYY-MM-DDTHH:MM:SS.
Attribute	firstDeliveryDateTime	dateTime	0..1	The earliest date at which the supplier can deliver the product to the trading partner.
Attribute	firstShipDateTime	dateTime	0..1	Indicates the earliest date that the trade item can be shipped. This is independent of any specific ship-from location.
Attribute	endAvailabilityDateTime	dateTime	0..1	The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services.
Attribute	endDateTimeOfExclusivity	dateTime	0..1	The date and time at which a product is no longer exclusive to that trading partner.
Attribute	endMaximumBuyingQuantityDateTime	dateTime	0..1	The end date for when the maximum buying quantity is no longer available to the trading partner.
Attribute	endMinimumBuyingQuantityDateTime	dateTime	0..1	The end date for when the minimum buying quantity is no longer available to the trading partner.
Attribute	firstOrderDateTime	dateTime	0..1	Indicates the earliest date that an order can be placed for the trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	goodsPickupLeadTime	Measurement	0..1	Time (in weeks, days, hours …) required between order entry and the earliest goods release (use for pick-up, not use for delivery). Remark about ordering lead-time : Geographic distance from manufacturing / distribution point to delivery point impacts this value (relationship dependant data).
Attribute	isOneTimeBuy	NonBinaryLogicEnumeration	0..1	An indicator whether or not the item will only be available for order once then discontinued.
Attribute	isProductCustomizable	boolean	0..1	Indicates whether the Items that the Retailer markets are customizable to meet the end consumer's requirements.
Attribute	isTradeItemReorderable	boolean	0..1	This element is an indicator that selected styles or trade items may or may not be re-ordered. It does not imply any information on current availability.
Attribute	isTradeItemShippedInMultipleContainers	boolean	0..1	Indicates that more than one box is to be delivered when the trade item is ordered.
Attribute	isTradeItemSizeBasedPricing	boolean	0..1	This is an indicator that an item may be at a different price point than other similar SKUs (GTIN's price within a Style may differ).
Attribute	lastOrderDateTime	dateTime	0..1	Indicates the latest date that an order can be placed for the trade item.
Attribute	lastShipDateTime	dateTime	0..1	Indicates the latest date that the trade item can be shipped. This is independent of any specific ship-from location.
Attribute	orderingUnitOfMeasure	string	0..1	The alternate Unit of Measure of how Trade Items are ordered by the Retailer under one Unit of Measure, but sold under another Unit of Measure.
Attribute	orderQuantityMaximum	integer	0..1	The maximum quantity of the trade item that can be ordered. A number or a count. This value can represent the total number of units ordered over a set period of time with multiple orders.
Attribute	orderQuantityMinimum	integer	0..1	Represent an agreed to minimum quantity of the trade item that can be ordered. A number or a count. This applies to each individual order. Can be a fixed amount for all customers in a target market.
Attribute	orderQuantityMultiple	integer	0..1	The order quantity multiples in which the trade item may be ordered. If the Order Quantity Minimum is 100, and the Order Quantity Multiple is 20, then the trade item can only be ordered in quantities which are divisible by the Order Quantity Multiple of 20.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	orderSizingFactor	Measurement	0..*	A trade item specification other than gross, net weight, or cubic feet for a line trade item or a transaction, used for order sizing and pricing purposes. For example, factors may be used to cube a truck, reflecting different weights, and dimensions of trade item.
Attribute	shippingQuantityMinimum	nonNegativeInteger	0..1	The minimum total quantity of this trade item that can be shipped.
Attribute	startAvailabilityDateTime	dateTime	0..1	The date (CCYY-MM-DDTHH:MM:SS) from which the trade item becomes available from the supplier, including seasonal or temporary trade item and services.
Attribute	startDateMaximumBuyingQuantity	dateTime	0..1	The start date for when the maximum buying quantity is available to the trading partner.
Attribute	startDateMinimumBuyingQuantity	dateTime	0..1	The start date for when the minimum buying quantity is available to the trading partner.
DeliveryPurchasingInformationModule				A module containing purchasing and delivery information for a trade item.
Association		DeliveryPurchasingInformation	0..1	Purchasing and delivery information for a trade item.
Association		GS1_AttributeValuePairList	0..1	Attribute value pair information for a trade item.

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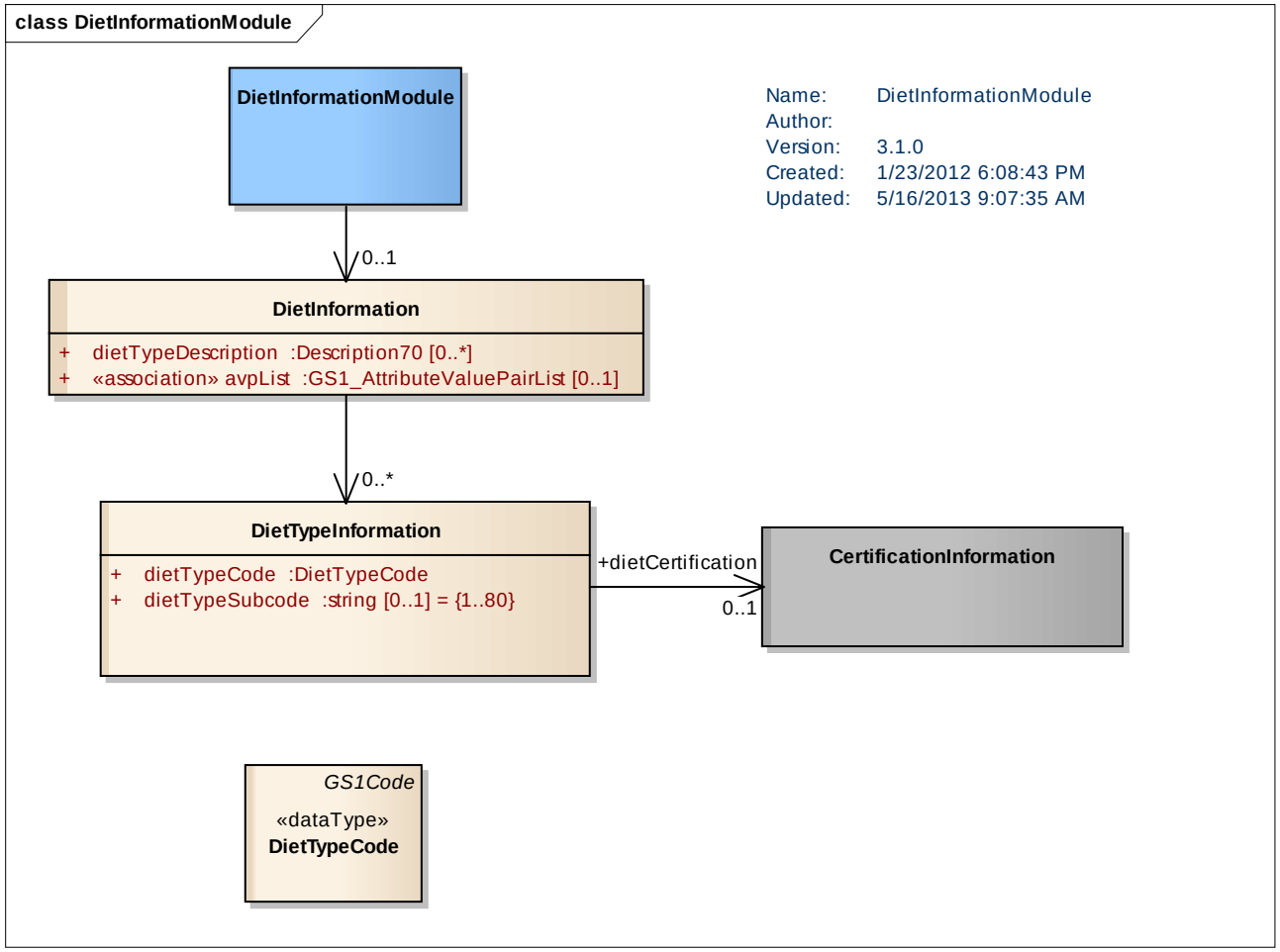
5.18. Diet Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DietInformationModule				Information on whether the product meets the criteria to be classified as suitable for a specific targeted group. Certain groups of consumers are limited in consuming products, depending on the ingredients or preparation style. This can be i.e. due to religious reasons or restriction of diet reasons.
Association		DietInformation	0..1	Information on whether the product meets the criteria to be classified as suitable for a specific targeted group. Certain groups of consumers are limited in consuming products, depending on the ingredients or preparation style. This can be i.e. due to religious reasons or restriction of diet reasons.
DietInformation				Information on whether the product meets the criteria to be classified as suitable for a specific targeted group. Certain groups of consumers are limited in consuming products, depending on the ingredients or preparation style. This can be i.e. due to religious reasons or restriction of diet reasons.
Attribute	dietTypeDescription	Description70	0..*	Free text for indication of diet not stated in the list of diets.
Association		DietTypeInformation	0..*	Information on the type of diet.
DietTypeInformation				Information on the type of diet.
Attribute	dietTypeCode	DietTypeCode	1..1	Code indicating the diet the product is suitable for.
Attribute	dietTypeSubcode	string	0..1	Indicates a set of agreements or a certificate name that guarantees the product is permitted in a particular diet.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association	dietCertification	CertificationInformation	0..1	A certification associated with a specific diet.

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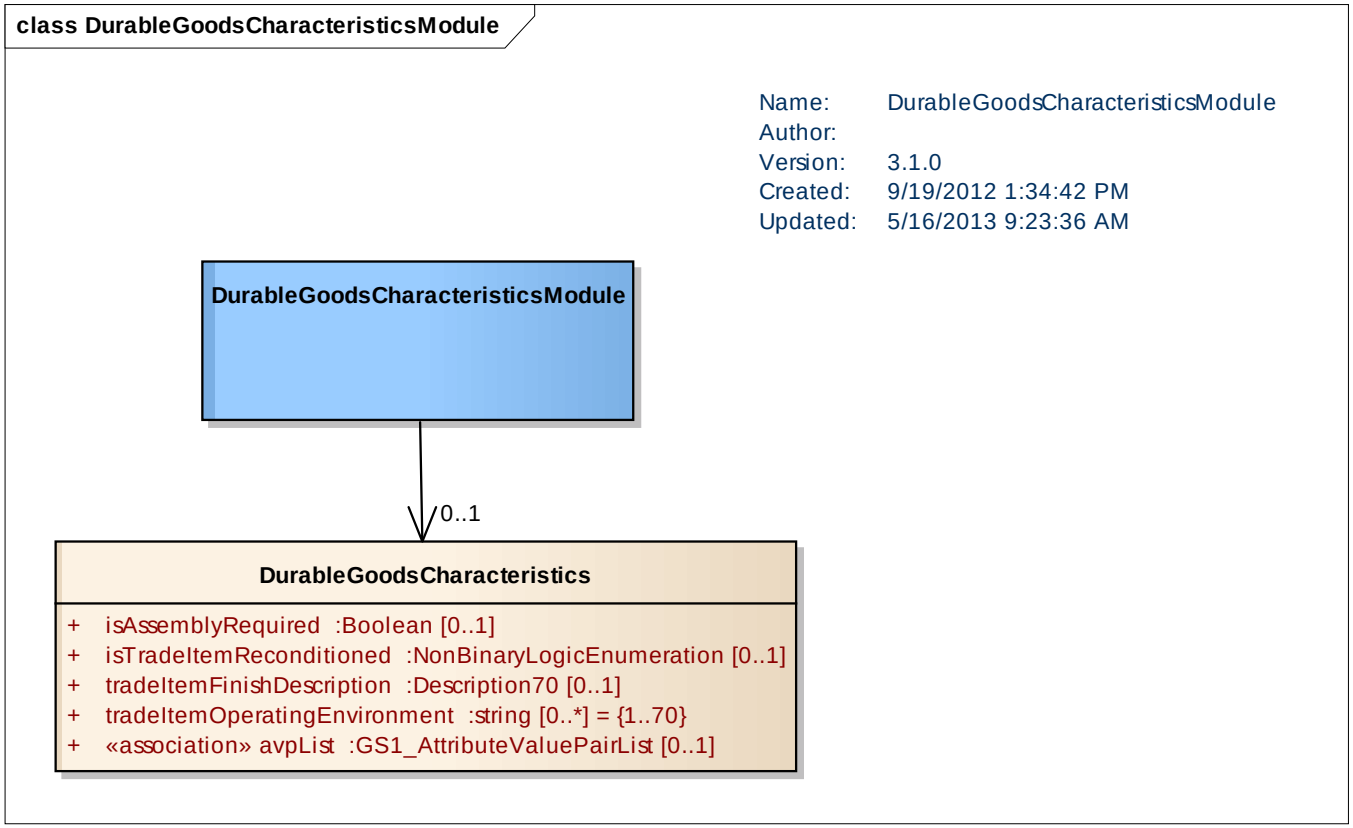
5.19. Durable Goods Characteristics Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
DurableGoodsCharacteristicsModule		DurableGoodsCharacteristics		A module containing attributes applicable to a broad range of durable goods.
Association		DurableGoodsCharacteristics	0..1	Attributes applicable to a broad range of durable goods.
DurableGoodsCharacteristics				Attributes applicable to a broad range of durable goods.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	isAssemblyRequired	Boolean	0..1	Indicates that the Items in the package need to be assembled for use.
Attribute	isTradeItemReconditioned	NonBinaryLogicEnumeration	0..1	An indicator whether or not this item is a remanufactured (or rebuilt) or reconditioned part.
Attribute	tradeItemFinishDescription	Description	0..1	An attribute which defines the outer surface/appearance of the product.
Attribute	tradeItemOperatingEnvironment	String	0..*	The physical area(s) in which the manufacturer has designed the unit to be operated or installed for example underground, underwater, inside, outside etc.

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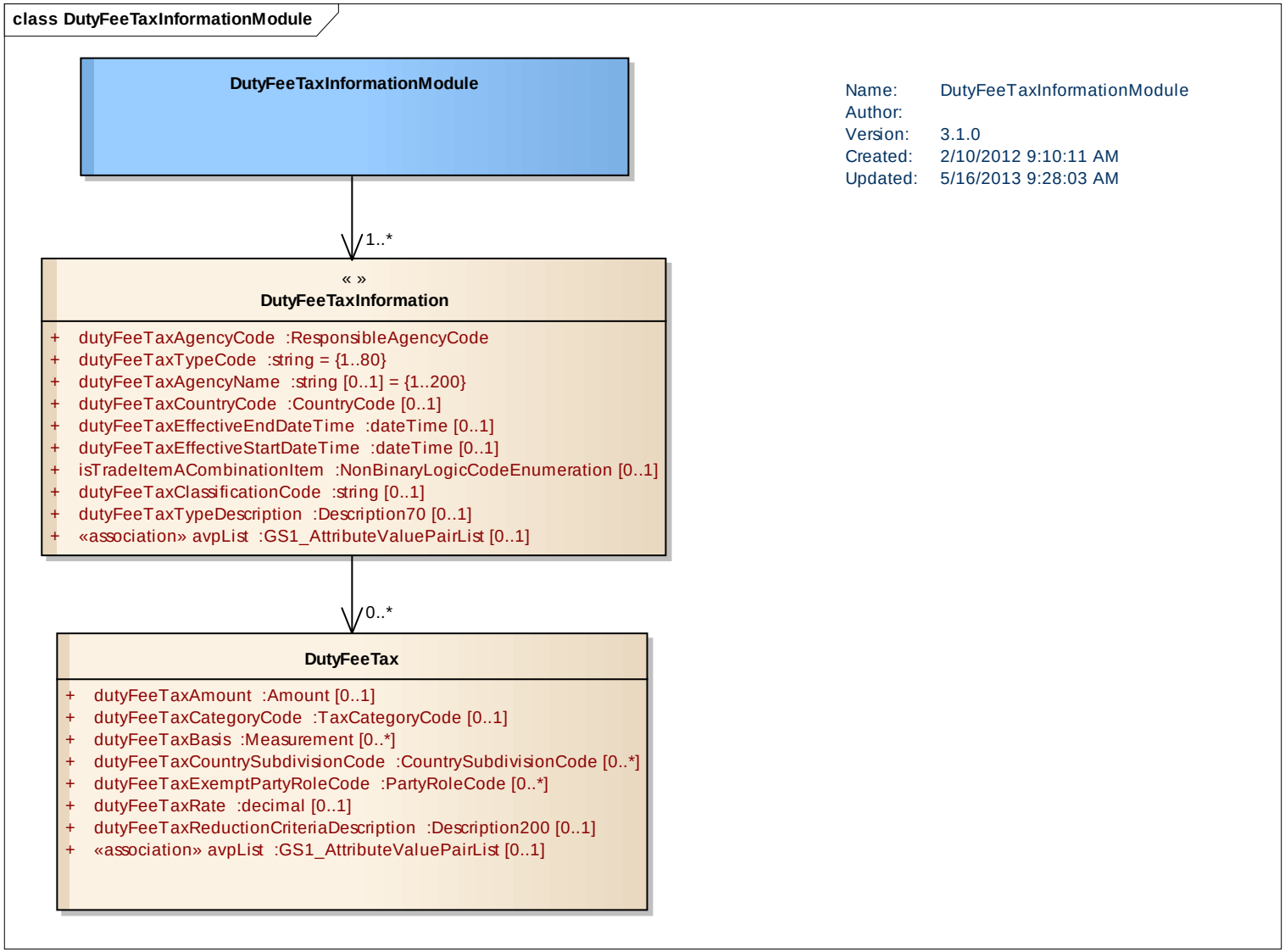
5.20. Duty Fee Tax Information Module



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content	Attribute / role	datatype /secondary class	multiplicity	definition
DutyFeeTax				Details on a duty, fee or tax which may be applicable to a trade item including applicability, rate and amount.
Attribute	dutyFeeTaxAmount	Amount	0..1	The current tax or duty or fee amount applicable to the trade item.
Attribute	dutyFeeTaxCategoryCode	TaxCategoryCode	0..1	Depicts the applicability of the tax rate or amount for a trade item, for example, zero low or exempt.
Attribute	dutyFeeTaxBasis	Measurement	0..*	This is defined as a taxation basis for a corresponding levying type and class, for example, for a steel tax on an item with a screw cap weighing "3" grams the tax basis would be 3 grams.
Attribute	dutyFeeTaxCountrySubdivisionCode	CountrySubdivisionCode	0..*	The political subdivision (e.g. province or state) where a specific tax or tax rate\value are applicable.
Attribute	dutyFeeTaxExemptPartyRoleCode	PartyRoleCode	0..*	The party role (e.g. Consumer) that is exempt from a specific tax duty or fee.
Attribute	dutyFeeTaxRate	decimal	0..1	The current tax or duty rate percentage applicable to the trade item.
Attribute	dutyFeeTaxReductionCriteriaDescription	Description200	0..1	The conditions under which a supplier is entitled to a particular tax reduction.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
DutyFeeTaxInformation				A duty, fee or tax which may be applicable to a trade item.
Association		DutyFeeTax	0..*	Contains information on the applicability and or rate\value for a specific duty fee or tax.
Attribute	dutyFeeTaxAgencyCode	ResponsibleAgencyCode	1..1	Identifies the agency responsible for the tax code list
Attribute	dutyFeeTaxTypeCode	string	1..1	Identification of the type of duty or tax or fee applicable to the trade item. This will vary by target market.
Attribute	dutyFeeTaxAgencyName	string	0..1	The name of an agency responsible for the collection of this duty
Attribute	dutyFeeTaxCountryCode	CountryCode	0..1	The country that a duty, fee or tax may be applicable to for a trade item.

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content	Attribute / role	datatype /secondary class	multiplicity	definition
Attribute	dutyFeeTaxEffectiveEndDateTime	dateTime	0..1	The effective date on which the tax, fee or duty must end being collected.
Attribute	dutyFeeTaxEffectiveStartDateTime	dateTime	0..1	The effective date on which the tax, fee or duty must start being collected.
Attribute	isTradeItemACombinationItem	NonBinaryLogicEnumeration	0..1	An indicator whether a product assigned with one GTIN contains components which could have different tax rates, for example, chocolate eggs with toys would be chocolate 7% and toy 19%.
Attribute	dutyFeeTaxClassificationCode	string	0..1	A code specifying the broad category of duty, fee or tax, for example, energy. waste, environment.
Attribute	dutyFeeTaxTypeDescription	Description70	0..1	A description of tax type, for example, "Taxes sur les supports audio".
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
DutyFeeTaxInformationModule				A module containing information on a duty, fee or tax which may be applicable to a trade item.
Association		DutyFeeTaxInformation	1..*	A duty, fee or tax which may be applicable to a trade item.

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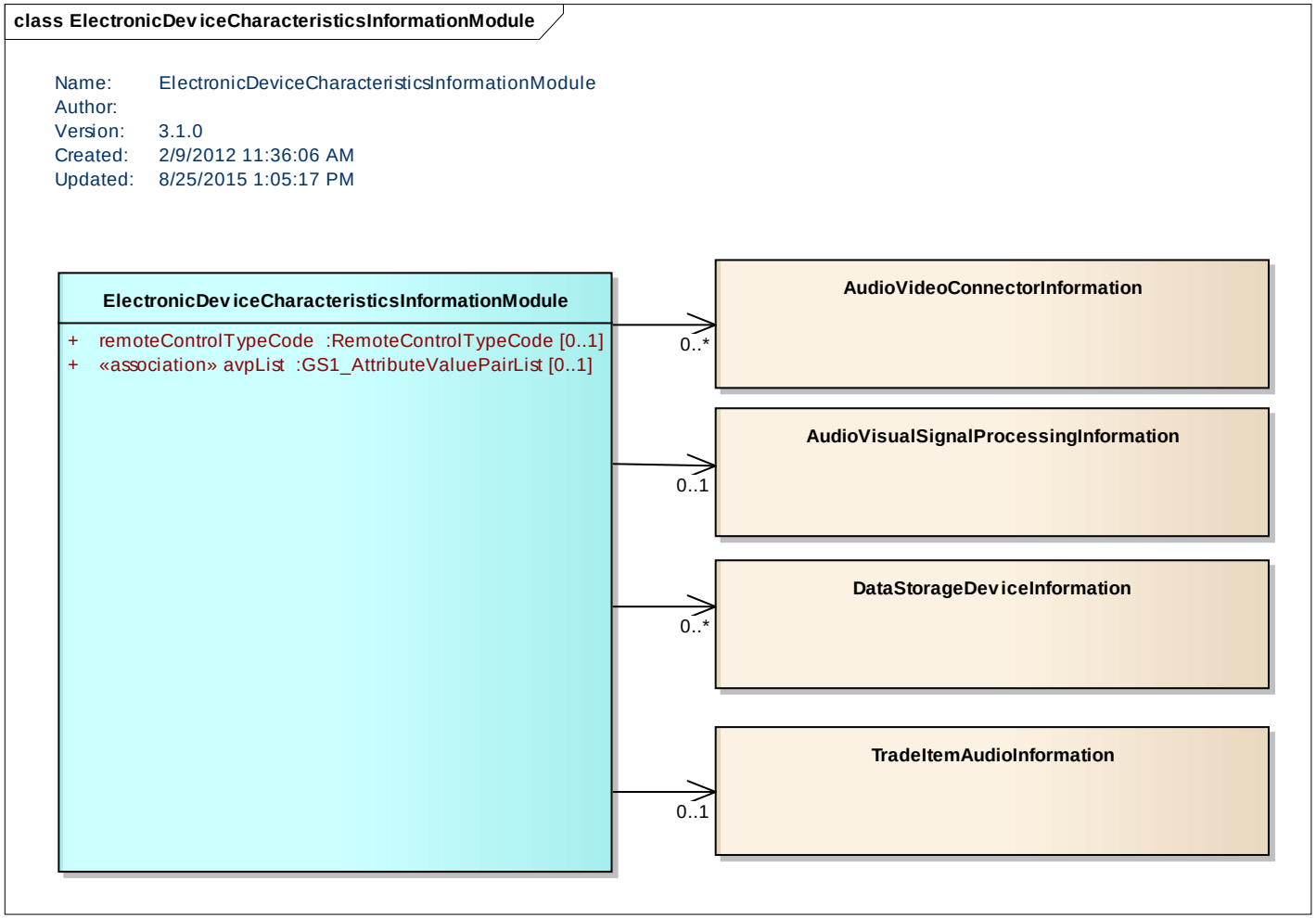
5.21. Electronic Device Characteristics Information Module



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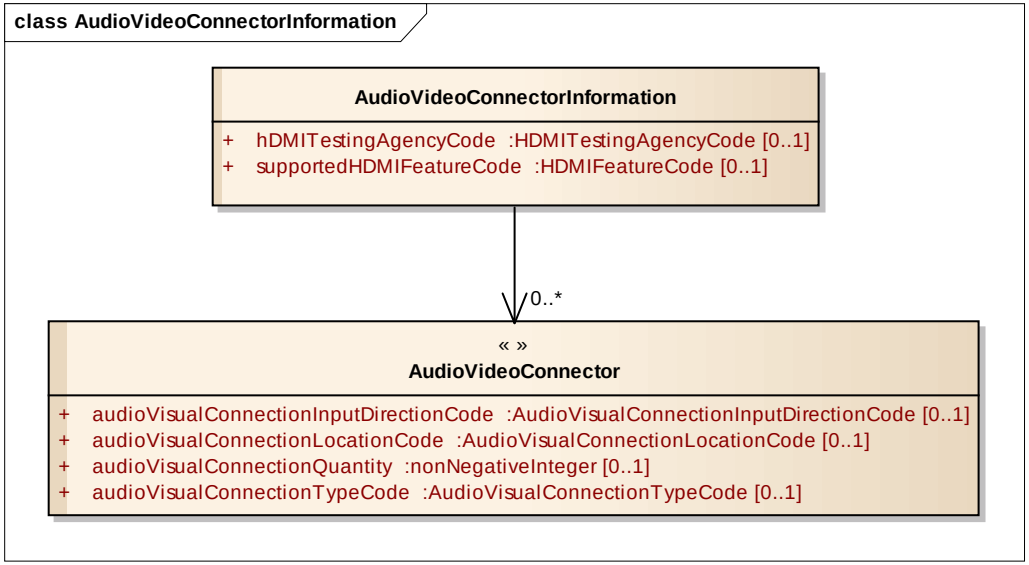

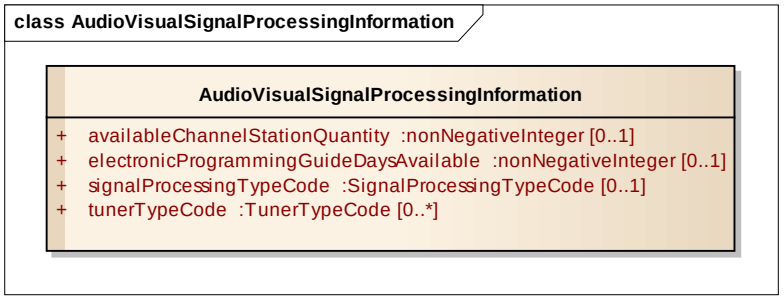

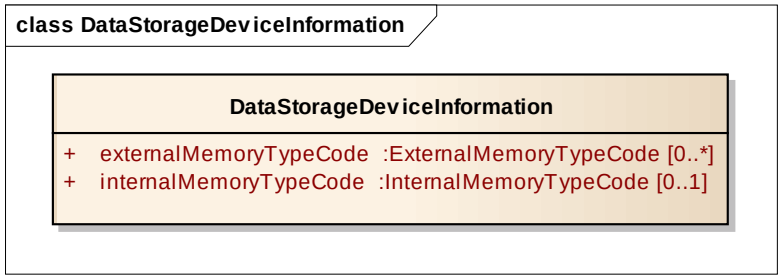

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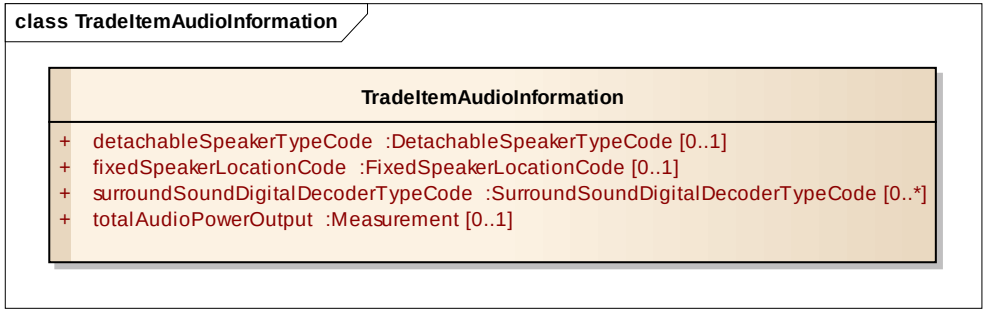

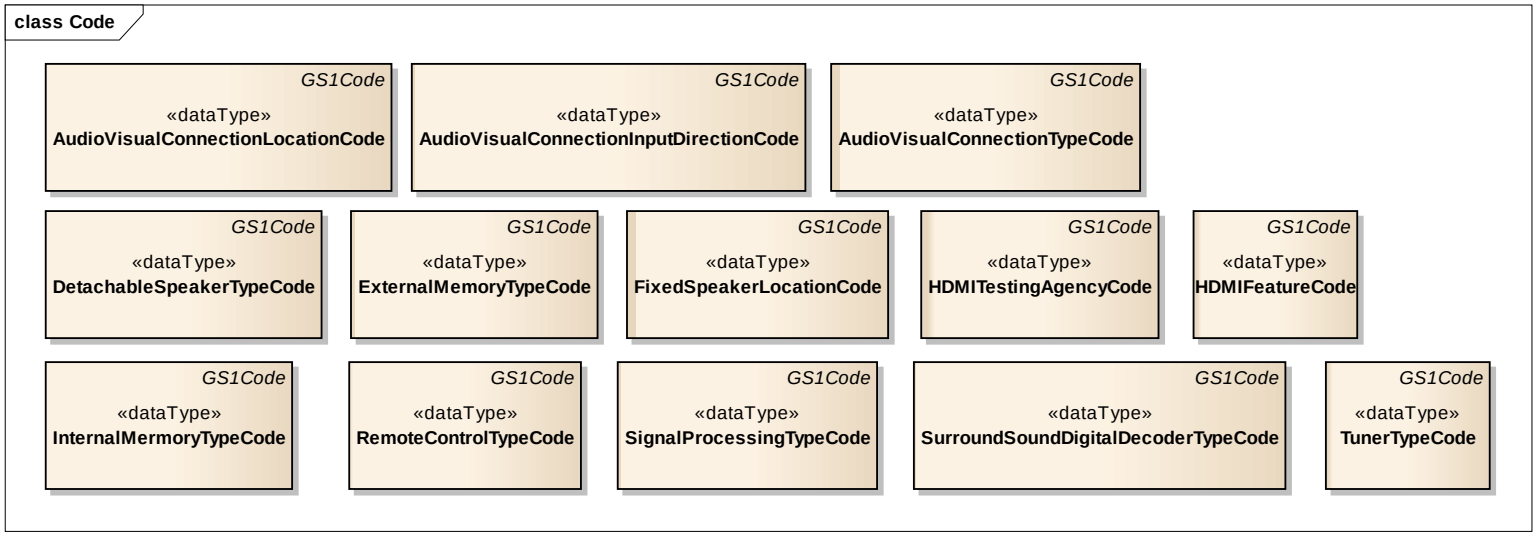

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
AudioVideoConnectorInformation				Audio Video Connector information for a trade item.
Association		AudioVideoConnector	0..*	Audio Video Connector information for a trade item.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	hDMITestingAgencyCode	HDMITestingAgencyCode	0..1	The testing agency that has certified all of the product's HDMI inputs or outputs as a code. HDMI/HDCP interoperability is tested either by SimplayHD or another Authorized Testing Centre with the 1.2a specification. The High-Definition multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams. High-bandwidth Digital Content Protection (HDCP) is a form of digital copy protection.
Attribute	supportedHDMIFeatureCode	HDMIFeatureCode	0..1	The type of features that are supported by the High-Definition multimedia Interface. The High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams.
AudioVideoConnector				Audio Video Connector information for a trade item.
Attribute	audioVisualConnectionInputDirectionCode	AudioVisualConnectionInputDirectionCode	0..1	The directions of connections (input, output) that are available expressed as a code value.
Attribute	audioVisualConnectionLocationCode	AudioVisualConnectionLocationCode	0..1	The location on the unit of any audio visual connector for example top.
Attribute	audioVisualConnectionQuantity	nonNegativeInteger	0..1	The number of audio visual connections available on the unit expressed as a code.
Attribute	audioVisualConnectionTypeCode	AudioVisualConnectionTypeCode	0..1	The types of Standard or Basic Connection Types that are available expressed as a code.
AudioVisualSignalProcessingInformation				Information on signal processing for a trade item. Signal processing is the ability to perform useful operations on signals.
Attribute	availableChannelStationQuantity	nonNegativeInteger	0..1	The number of channels available on the unit expressed as an integer.
Attribute	electronicProgrammingGuideDaysAvailable	nonNegativeInteger	0..1	The number of days available in an electronic programming guide expressed as an integer. The electronic programming guide feature is the capability for the users to interact with an intelligent guide.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	signalProcessingTypeCode	SignalProcessingTypeCode	0..1	The type of processing capability of the television to receive and process enhanced signal types expressed as a code for example Analogue.
Attribute	tunerTypeCode	TunerTypeCode	0..*	A tuner type is the technology used for the built-in receiver expressed as a code for example HD (high definition). A tuner receives broadcasts and converts them into signals.
DataStorageDeviceInformation				Information on included data storage devices associated with the trade item.
Attribute	externalMemoryTypeCode	ExternalMemoryTypeCode	0..*	The components, devices, and recording media that retain digital data that is external to the device expressed as a code.
Attribute	internalMemoryTypeCode	InternalMemoryTypeCode	0..1	The components, devices, and recording media that retain digital data that is internal to the device expressed as a code.
ElectronicDeviceCharacteristicsInformationModule				A module containing technical and other product characteristics for electronic items.
Association		AudioVisualSignalProcessingInformation	0..1	Signal processing information for a trade item.
Association		TradeItemAudioInformation	0..1	Information on audio functionality of a Trade Item.
Association		DataStorageDeviceInformation	0..*	Information on included data storage devices associated with the trade item.
Association		AudioVideoConnectorInformation	0..*	Audio Video Connector Information for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	remoteControlTypeCode	RemoteControlTypeCode	0..1	The type of remote control functionality available with a unit expressed as a code.
TradeItemAudioInformation				Information on audio functionality of a Trade Item.
Attribute	detachableSpeakerTypeCode	DetachableSpeakerTypeCode	0..1	The type of detachable speakers available on the unit for example wireless.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	fixedSpeakerLocationCode	FixedSpeakerLocationCode	0..1	The location of speakers that cannot be detached available on the unit.
Attribute	surroundSoundDigitalDecoderTypeCode	SurroundSoundDigitalDecoderTypeCode	0..*	The type of feature capable of decoding and playback of particular sound systems expressed as a code for example DTS HD.
Attribute	totalAudioPowerOutput	Measurement	0..1	The total audio power output of the product expressed in Watts.

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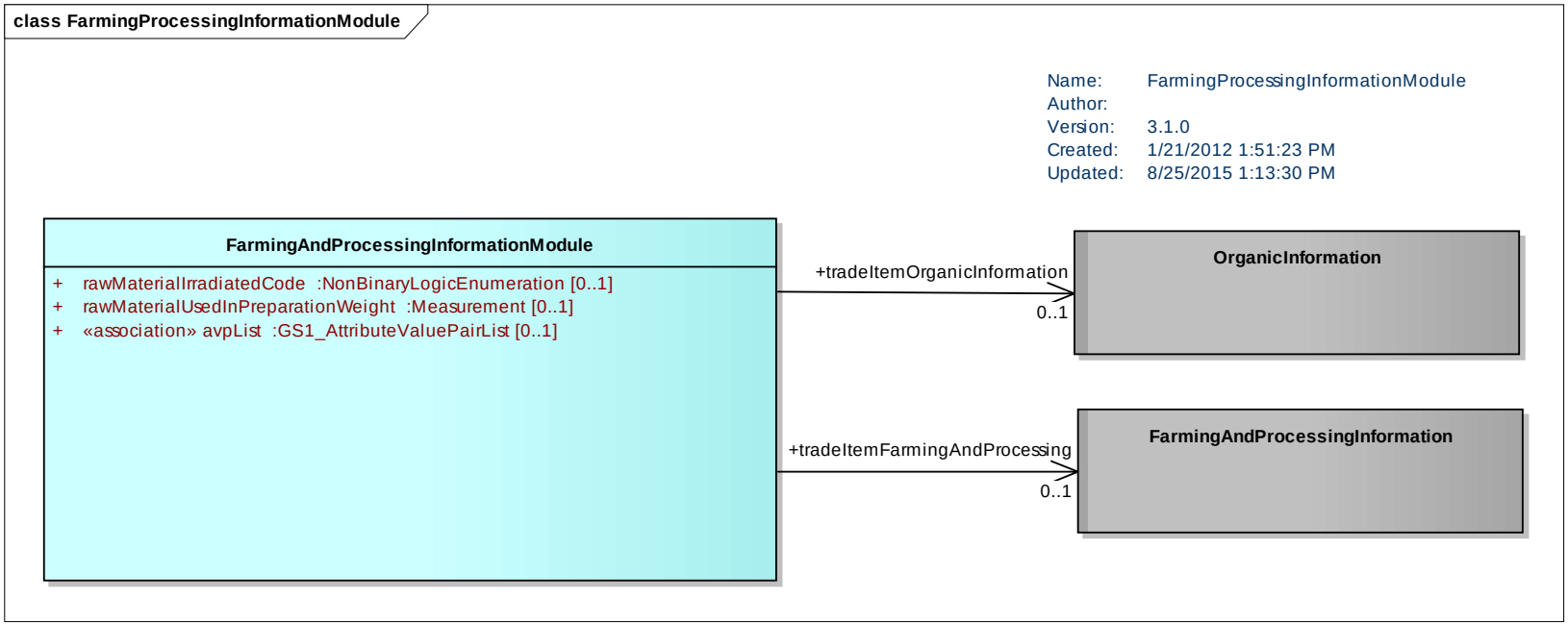
5.22. Farming And Processing Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
FarmingProcessingInformationModule				Information on any farming or processing performed on and agricultural trade item.
Association	tradeItemOrganicInformation	OrganicInformation	0..1	Details on the trade item regarding the extent of organic production.
Association	tradeItemFarmingAndProcessing	FarmingAndProcessingInformation	0..1	Information on farming and processing for a trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	rawMaterialIrradiatedCode	NonBinaryLogicEnumeration	0..1	Indicates if radiation has been applied to a trade item's raw material.
Attribute	rawMaterialUsedInPreparationWeight	Measurement	0..1	The weight of the raw materials (meat) used to produce the finished food product. The weight of the raw materials (for example fat) can differ from the weight of the ingredient in the finished product. In some countries there are legal stipulations that the weight of the raw material used must be indicated if a product is produced using more than 100% of the finished product.

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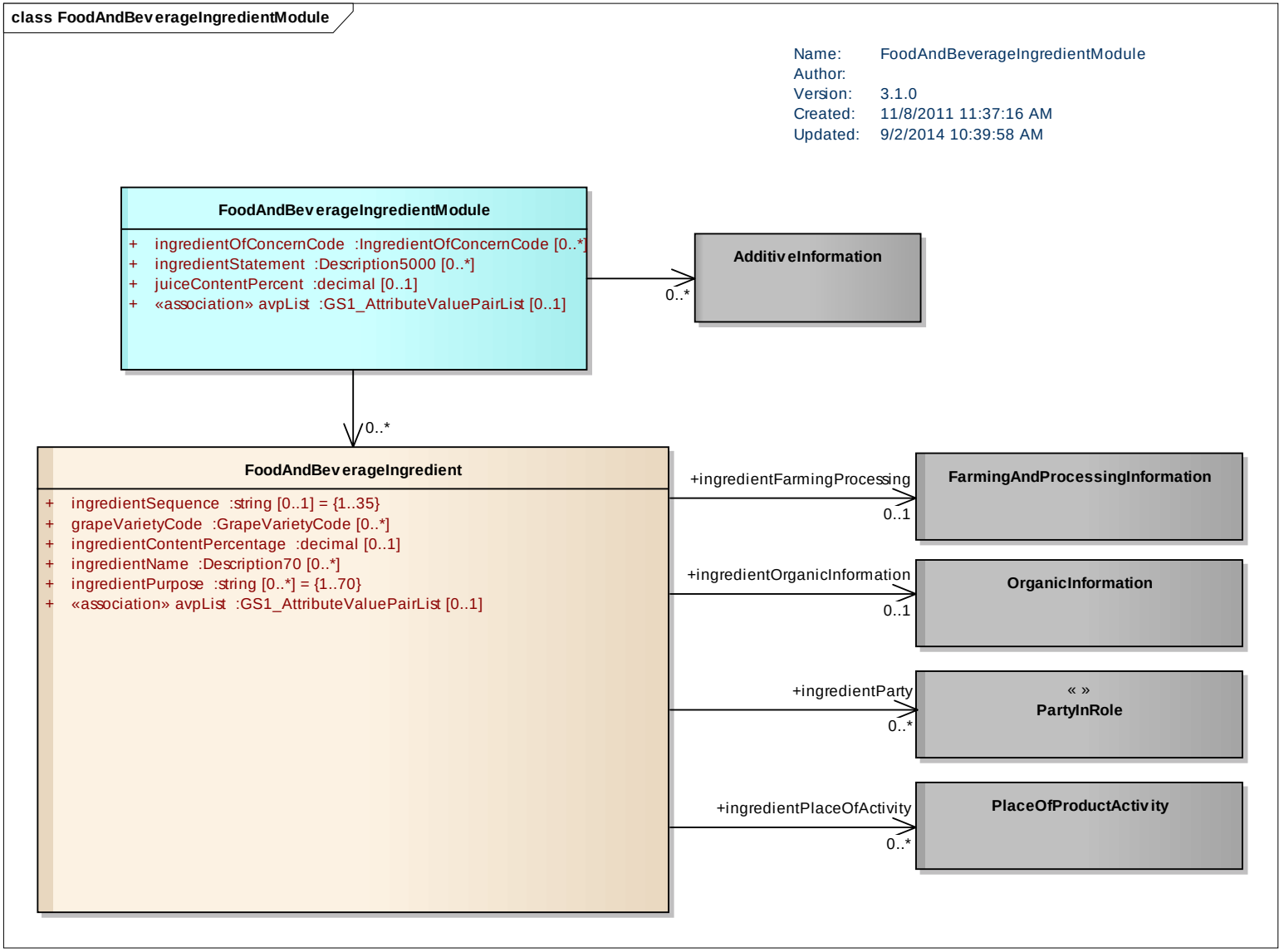
5.23. Food And Beverage Ingredient Module



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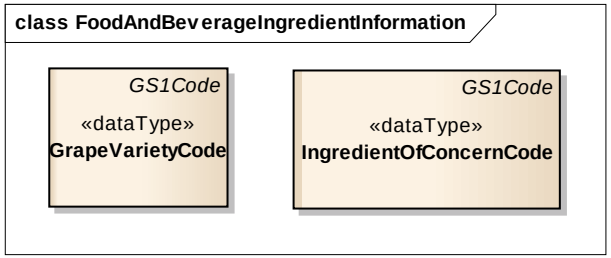

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
FoodAndBeverageIngredient				Information on the constituent ingredient make up of the product split out per ingredient.
Association	ingredientParty	PartyInRole	0..*	Party and party role information that relates to an ingredient to describe growers, breeders, etc.
Association	ingredientFarmingAndProcessing	FarmingAndProcessing	0..1	Details on any methods and techniques used to grow or produce the ingredient.
Association	ingredientOrganicInformation	OrganicInformation	0..1	Information on the organic nature of an ingredient.
Association	ingredientPlaceOfActivity	PlaceOfProductActivity	0..*	Information on the activity (e.g. bottling) taken place for an ingredient as well as the associated geographic area.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	ingredientSequence	string	0..1	Integer (1, 2, 3…) indicating the ingredient order by content percentage of the product. (major ingredient = 1, second ingredient = 2) etc.
Attribute	grapeVarietyCode	GrapeVarietyCode	0..*	The vine variety used for the production of this wine for example Merlot expressed as a code.
Attribute	ingredientContentPercentage	decimal	0..1	Indication of the percentage of the ingredient contained in the product.
Attribute	ingredientName	Description70	0..*	Text field indicating one ingredient or ingredient group (according to regulations of the target market). Ingredients include any additives (colourings, preservatives, e-numbers, etc) that are encompassed.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	ingredientPurpose	string	0..*	A description of the primary purpose that an ingredient serves for example a colouring in the case of annatto in a cheese rind.
FoodAndBeverageIngredientInformationModule				Information on the constituent ingredient make up of the product.
Association		FoodAndBeverageIngredient	0..*	Ingredient details for a food and beverage item.
Association		AdditiveInformation	0..*	Information on presence or absence of additives or genetic modifications contained in the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	ingredientOfConcernCode	IngredientOfConcernCode	0..*	Indicates a claim to an ingredient, considered to be a concern for regulatory or other reasons, and which is “contained” within the trade item but may not need to specify the amount whether approximate or an accurate measurement be given.
Attribute	ingredientStatement	Description5000	0..*	Information on the constituent ingredient make up of the product specified as one string.
Attribute	juiceContentPercent	decimal	0..1	The fruit juice content of the trade item expressed as a percentage.

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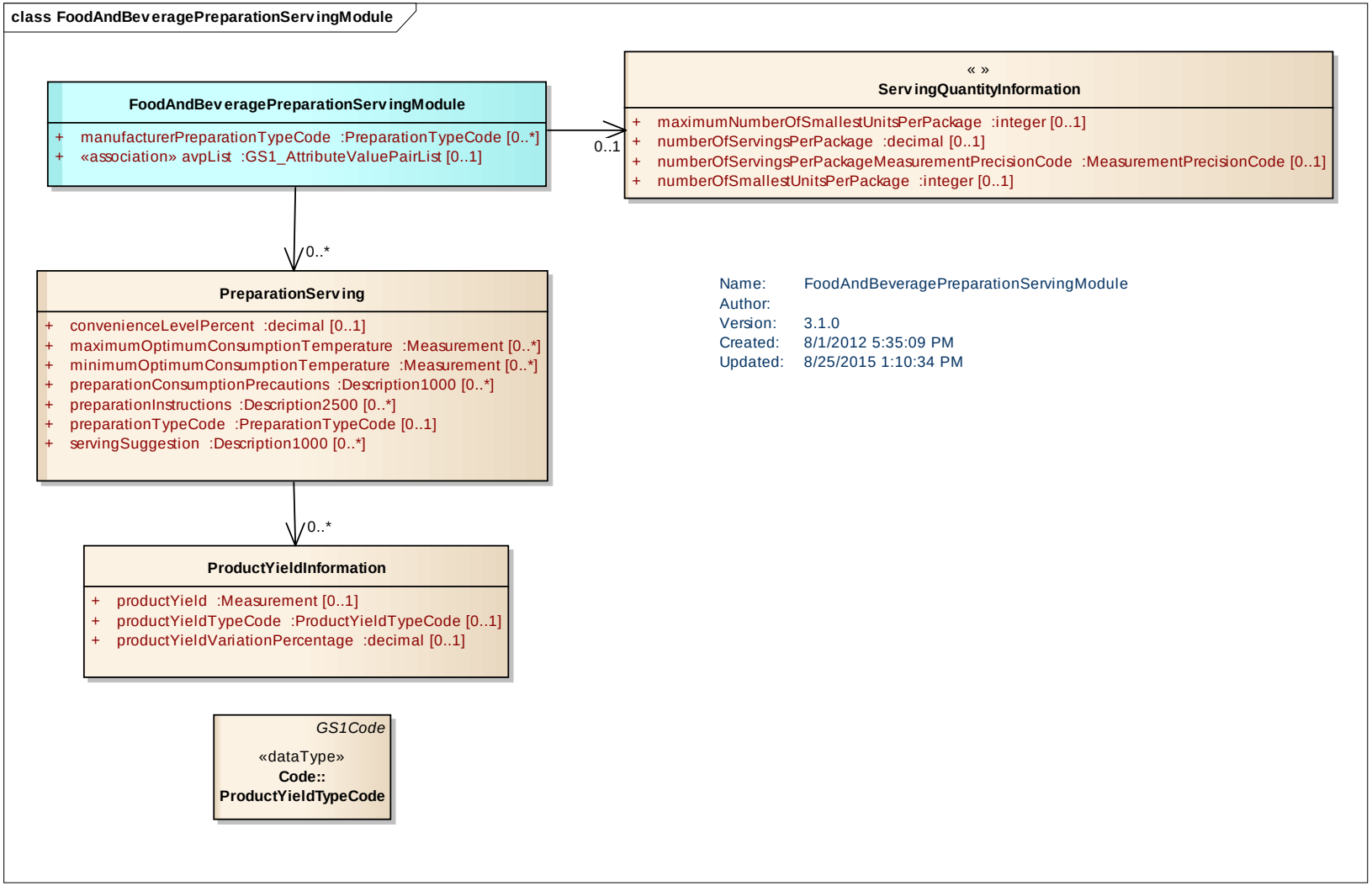
5.24. Food and Beverage Preparation Serving Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
FoodAndBeverage PreparationServing Module				Information on way the product can be prepared or served.
Attribute	manufacturerPreparationTypeCode	PreparationTypeCode	0..*	An indication of the preparation methods that a manufacturer has used on a particular ingredient.
Association		PreparationServing	0..*	Preparation and serving information for a food and beverage item.
Association		ServingQuantityInformation	0..1	Information on the number of servings and units contained in the package.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
PreparationServing				Information on way the product can be prepared or served..
Association		ProductYieldInformation	0..*	Information on the yield of a product.
Attribute	convenienceLevelPercent	decimal	0..1	An indication of the ease of preparation for semi-prepared products. The convenience level indicates the level of preparation in percentage required to prepare and helps the consumer to assess how long it will take to prepare the meal.
Attribute	maximumOptimumConsumptionTemperature	Measurement	0..*	The upper limit drinking temperature of the optimum range of the drinking temperature. The optimum range of the drinking temperature is a recommendation and is based on the experience of the individual producer.
Attribute	minimumOptimumConsumptionTemperature	Measurement	0..*	The lower limit drinking temperature of the optimum range of the drinking temperature. The optimum range of the drinking temperature is a recommendation and is based on the experience of the individual producer.
Attribute	preparationConsumptionPrecautions	Description1000	0..*	Specifies additional precautions to be taken before preparation or consumption of the product.
Attribute	preparationInstructions	Description2500	0..*	Textual instruction on how to prepare the product before serving.
Attribute	preparationTypeCode	PreparationTypeCode	0..1	A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.
Attribute	servingSuggestion	Description1000	0..*	Free text field for serving suggestion.
ProductYieldInformation				Information on the yield of a product.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	productYield	Measurement	0..1	Product quantity after preparation.
Attribute	productYieldTypeCode	ProductYieldTypeCode	0..1	Code indicating the type of yield measurement. Examples: After dilution, Drained weight, After cooking, etc.
Attribute	productYieldVariationPercentage	decimal	0..1	Indication of range in percent of the given cooking / roasting loss. Percentage that the actual weight of the trade item differs upward or downward from the average or estimated product yield.
ServingQuantityInformation				Information on the number of servings and units contained in the package.
Attribute	maximumNumberOfSmallestUnitsPerPackage	integer	0..1	The maximum number of the smallest units contained in the package. This attribute is to be used in conjunction with numberOfSmallestUnitsPerPackage in order to enter a minimum and maximum value. For example for a package of meat balls where the smallest units per package could be from 56-60, the maximumNumberOfSmallestUnitsPerPackage would be 60.
Attribute	numberOfServingsPerPackage	decimal	0..1	The total number of servings contained in the package.
Attribute	numberOfServingsPerPackageMeasurementPrecisionCode	MeasurementPrecisionCode	0..1	Code indicating whether the number of servings per package is exact or approximate. One should follow local regulatory guidelines when selecting a precision.
Attribute	numberOfSmallestUnitsPerPackage	integer	0..1	The total number of smallest units contained in the package. The smallest unit cannot be further divided without breaking or slicing the product. Example: 10 pancakes.

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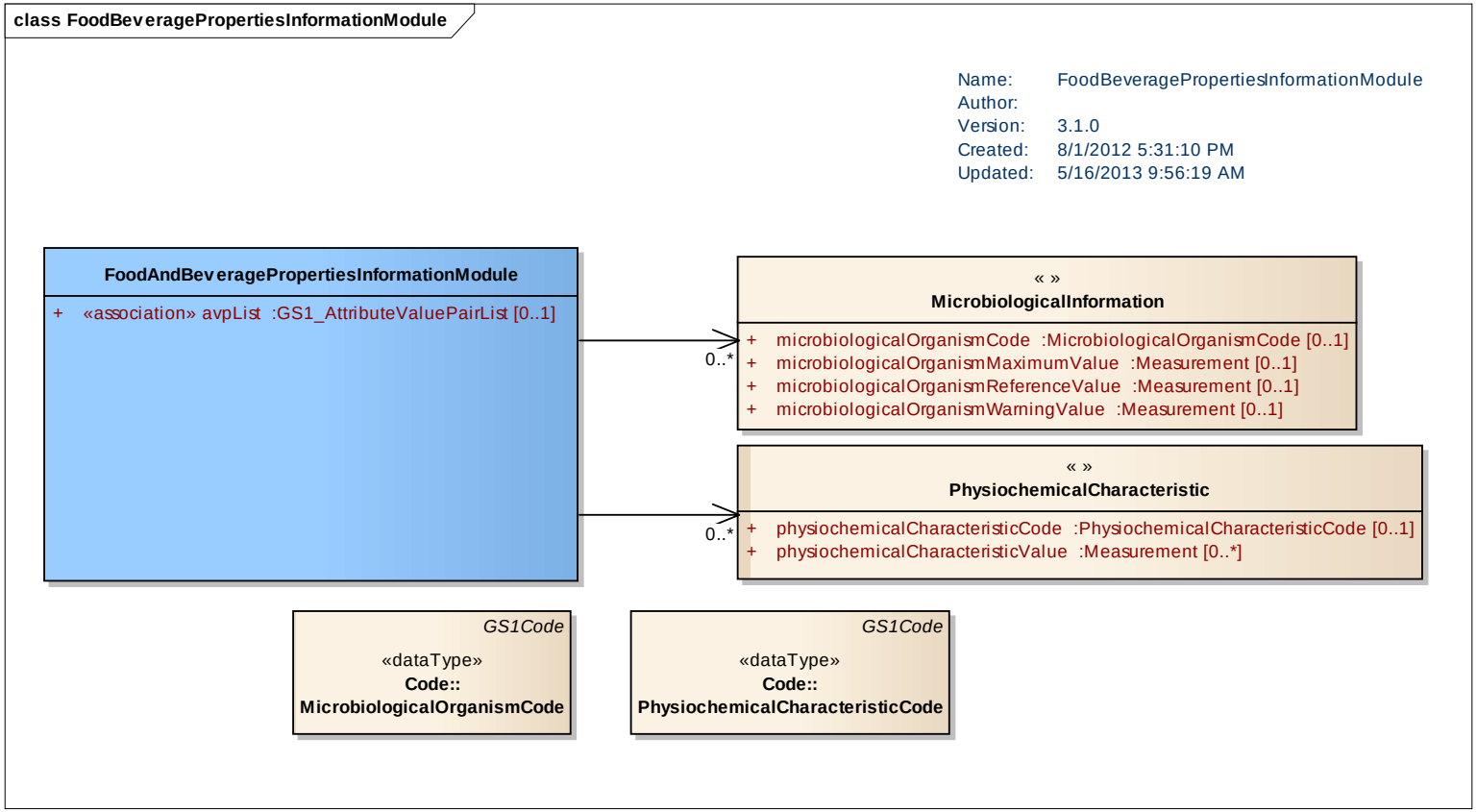
5.25. Food and Beverage Properties Information Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
FoodAndBeverageProperties InformationModule				Information on physiochemical or other properties of food and beverage products.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		MicrobiologicalInformation	0..*	Information on the maximum allowable presence of certain micro-organisms as guaranteed by the manufactures upon receipt of the goods.
Association		PhysiochemicalCharacteristic	0..*	Information on the product's physicochemical characteristics.
MicrobiologicalInformation				Information on the maximum allowable presence of certain micro-organisms as guaranteed by the manufactures upon receipt of the goods.
Attribute	microbiologicalOrganismCode	MicrobiologicalOrganismCode	0..1	Code indicating the type of microbiological organism.
Attribute	microbiologicalOrganismMaximumValue	Measurement,	0..1	Maximum allowable Colony Forming Units (CFU) of the microbiological organism per weight or volume.
Attribute	microbiologicalOrganismReferenceValue	Measurement	0..1	Reference values give an indication of which product specific ranges of micro organisms are to be expected and which micro organism contents in the appropriate food products are acceptable due to hygiene rules. Per definition this value reflects a microbiological limit which in a 2–class plan, separates good quality from defective quality or in a 3–class plan, separates good quality from marginally acceptable quality. With regard to the audit of the production processes exceeding the microbiological reference limit means, it indicates there are leak points in the production process and the hygienic situation needs to be increased.
Attribute	microbiologicalOrganismWarningValue	Measurement	0..1	A microbiological limit which, in a 3–class plan, separates marginally acceptable quality from defective quality. Exceeding the limits of the allowed content of micro organisms defined as warning values indicating there is a poor quality of the hygiene standard in the food production. This would probably lead to health hazards.
PhysiochemicalCharacteristic				Information on the product's physicochemical characteristics.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	physiochemicalCharacteristicCode	PhysiochemicalCharacteristicCode	0..1	Code indicating the type of physiochemical characteristic.
Attribute	physiochemicalCharacteristicValue	Measurement	0..*	Measurement value of the physicochemical characteristic.

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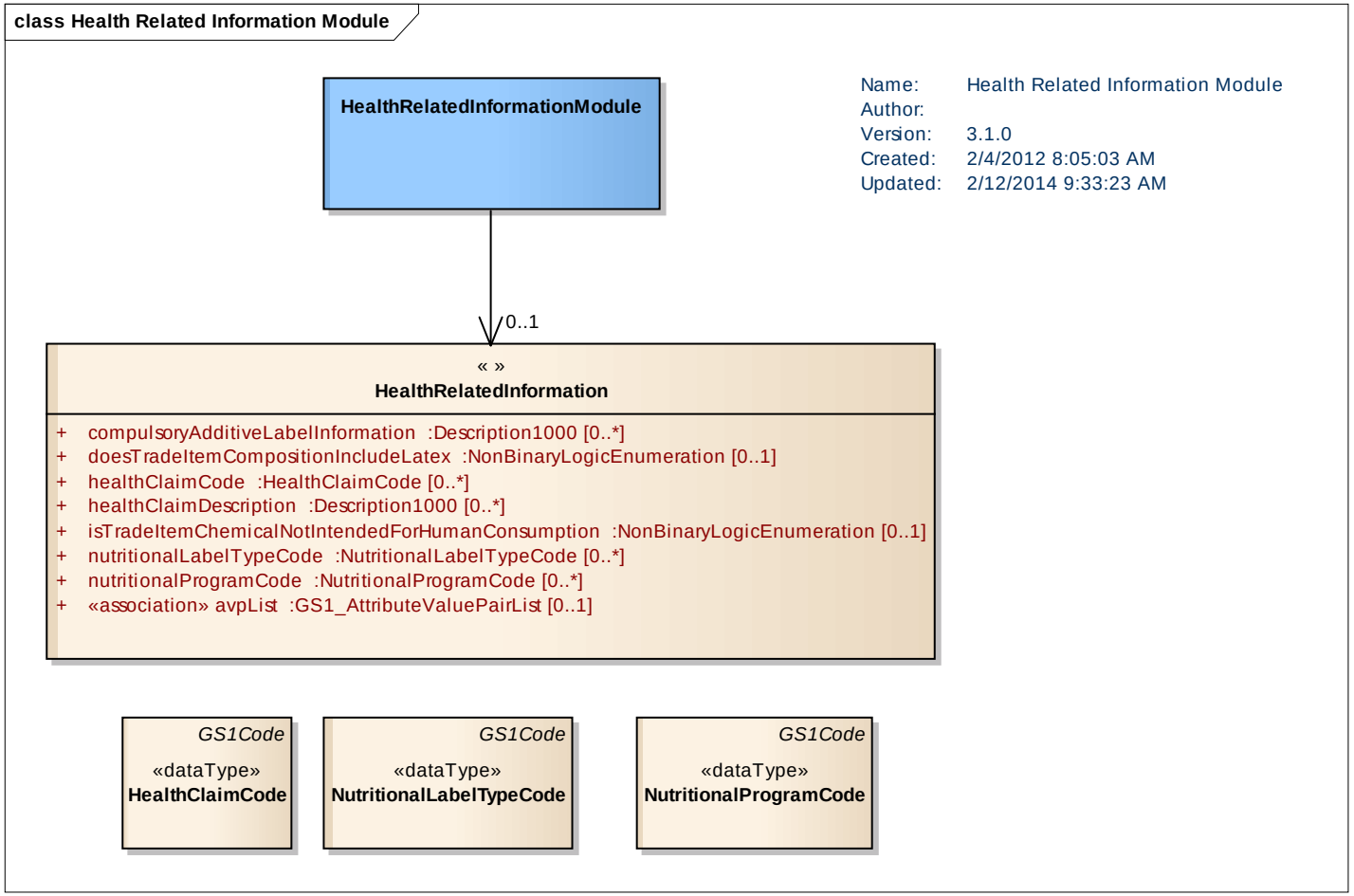
5.26. Health Related Information Module



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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
HealthRelatedInformationModule				A module containing marketing or regulatory information specific to health or safety.
Association		HealthRelatedInformation	0..1	A module containing marketing or regulatory information specific to health or safety.
HealthRelatedInformation				Marketing or regulatory information specific to health or safety.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	compulsoryAdditiveLabelInformation	Description1000	0..*	A description of any compulsory label information on the product for the serving counter for example the German additives regulation (ZzulV), for products such as meats and sausages, meat products, bread and bread products.
Attribute	doesTradeItemCompositionIncludeLatex	NonBinaryLogicEnumeration	0..1	Identifies if any of the trade item's components or pieces contain latex.
Attribute	healthClaimCode	HealthClaimCode	0..*	Any health claims according to regulations of the target market.
Attribute	healthClaimDescription	Description1000	0..*	A description of health claims according to regulations of the target market.
Attribute	nutritionalLabelTypeCode	NutritionalLabelTypeCode	0..*	Code indicating that the trade item is eligible for certain nutritional labelling programs according to a specific regulation
Attribute	nutritionalProgramCode	NutritionalProgramCode	0..*	Programs designed to encourage people to eat a certain way in order to benefit their nutrition for example "5 a Day".

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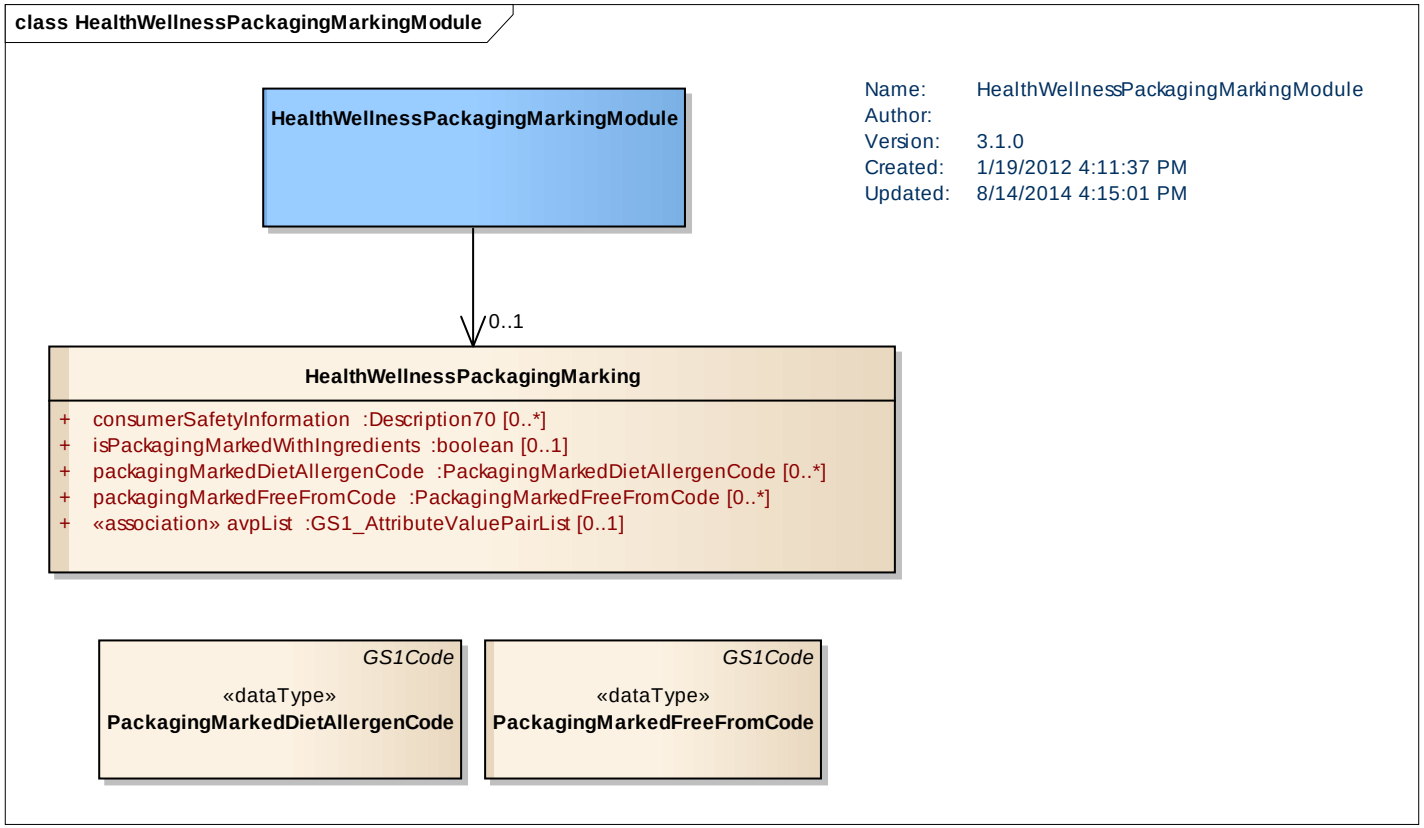
5.27. Health Wellness Packaging Marking Module



content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
HealthWellnessPackagingMarkingModule				Indicates any marking on the packaging of a trade item, including labelling of information related to allergens, suitable diet, safety and ingredients.
Association		HealthWellnessPackagingMarking	0..1	Indicates any marking on the packaging of a trade item, including labelling of information related to allergens, suitable diet, safety and ingredients.

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content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
HealthWellnessPackagingMarking				Indicates any marking on the packaging of a trade item, including labelling of information related to allergens, suitable diet, safety and ingredients.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	consumerSafetyInformation	Description70	0..*	Information on consumer safety regarding the trade item.
Attribute	isPackagingMarkedWithIngredients	Boolean	0..1	Trade item packaging contains information pertaining to its ingredients. trade item ingredients are required to be shown on the trade item (normally at base trade item level). This is a yes/no (Boolean) where yes equals marked with ingredients.
Attribute	packagingMarkedDietAllergenCode	PackagingMarkedDietAllergenCode	0..*	Indication of which dietary or allergen marks that are on the package.
Attribute	packagingMarkedFreeFromCode	PackagingMarkedFreeFromCode	0..*	Indication of the food ingredients that the package is marked free from.

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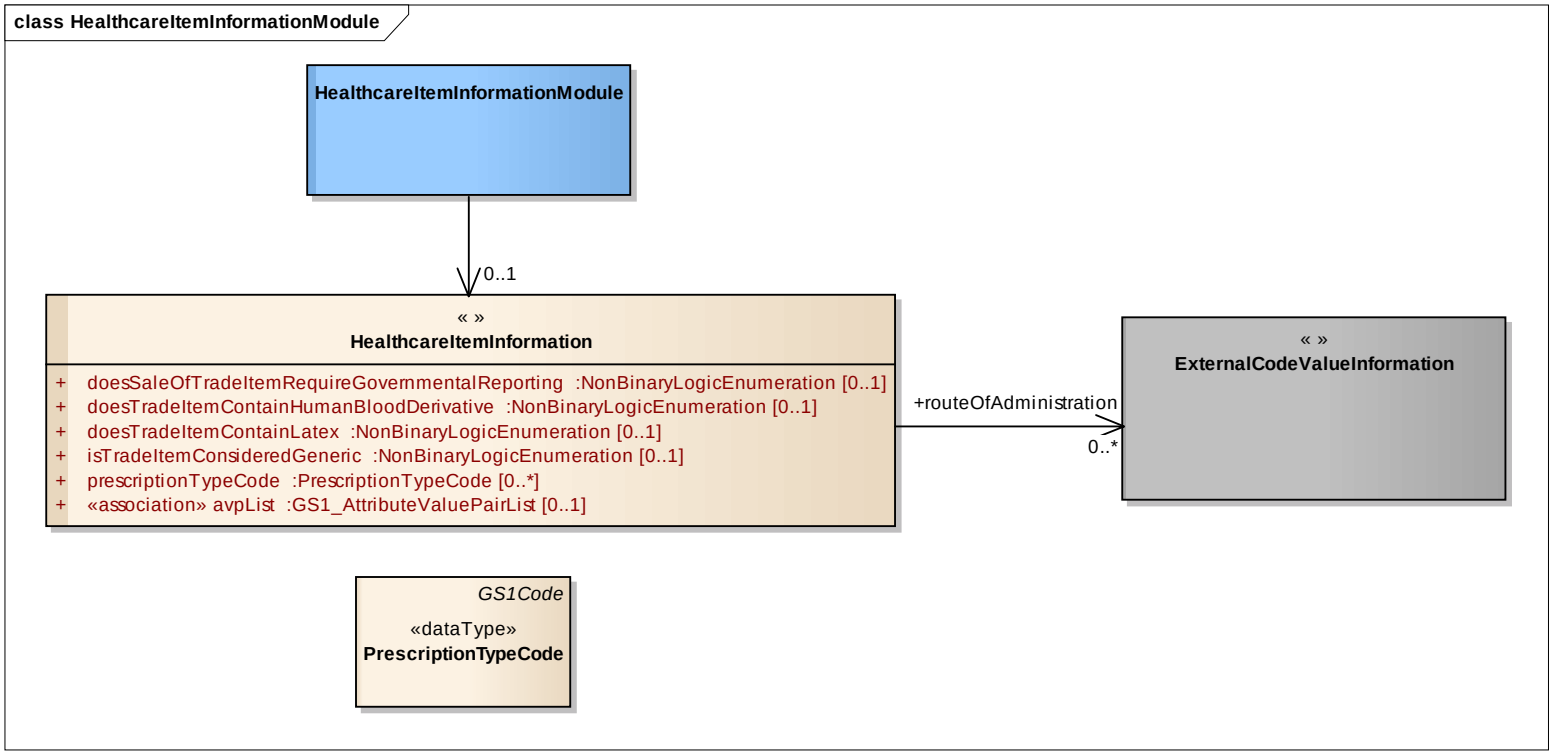
5.28. Healthcare Item Information Module



Note: Common class (in grey) is located in the GDSN Common Library.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
HealthcareItemInformationModule				Information relevant to all classifications of healthcare items.
Association		HealthcareItemInformation	0..1	Information relevant to all classifications of healthcare items.
HealthcareItemInformation				Information relevant to all classifications of healthcare items.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Association	routeOfAdministration	ExternalCodeValueInformation	0..*	Route of Administration expresses the method(s) of administering the product. In pharmacology and toxicology, a route of administration is the path by which a drug, fluid, or other substance is brought into contact with the body.
Attribute	doesSaleOfTradeItemRequireGovernmentalReporting	NonBinaryLogicEnumeration	0..1	Indicates whether the government requires the reporting of sale of the trade item.
Attribute	doesTradeItemContainHumanBloodDerivative	NonBinaryLogicEnumeration	0..1	The use of this attribute indicates that the trade item is a product that contains blood, blood components or blood products used in the manufacturing.
Attribute	doesTradeItemContainLatex	NonBinaryLogicEnumeration	0..1	An indication that the trade item has a positive natural rubber latex reference on the trade item's labelling.
Attribute	isTradeItemConsideredGeneric	NonBinaryLogicEnumeration	0..1	An indication that the trade item is being produced by someone other than the Brand Innovator of the product. A value of no indicates that it is not considered a "Generic Substitution" of another product.
Attribute	prescriptionTypeCode	PrescriptionTypeCode	0..*	Providing a value to this code list indicates the type of prescription that is required. The prescription type may indicate that it is a product that can only be prescribed under the direction of a specialist such as an oncologist, dentist, or other specialist.

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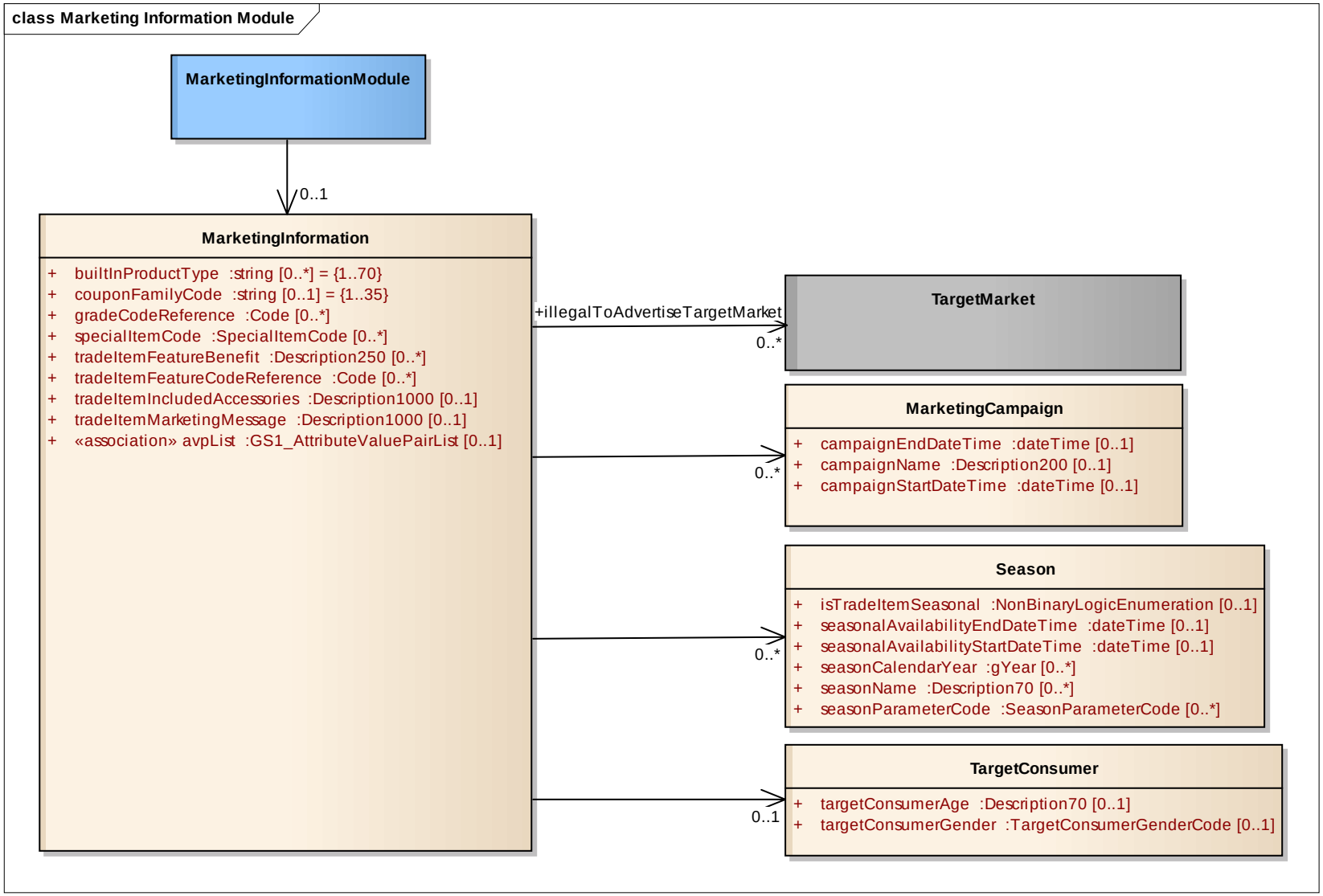
5.29. Marketing Information Module



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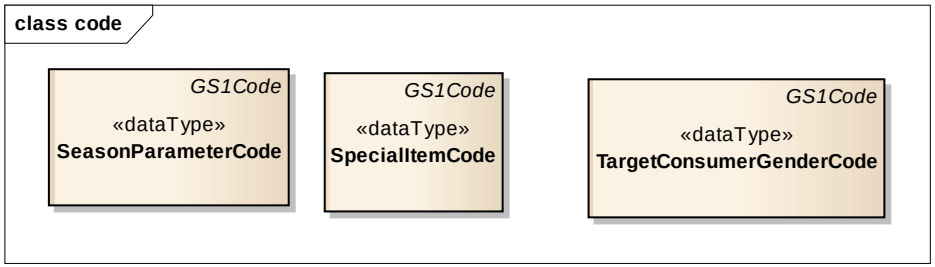
Note: Common class (in grey) is located in the GDSN Common Library.



content	attribute / role	datatype /secondary class	multiplicity	definition
MarketingInformationModule				A module containing information on a trade item meant to convey features and benefits and targeted customer.
Association		MarketingInformation	0..1	Information on a trade item meant to convey features and benefits and targeted customer.
MarketingCampaign				Details on a sales or marketing campaign for a trade item.
Attribute	campaignEndDateTime	dateTime	0..1	The date suggested by the supplier for the campaign to end. It indicates the end of a marketing campaign.
Attribute	campaignName	Description200	0..1	Name of the sales or marketing campaign, for which the trade item is intended. Input of user-defined text in order to assign the item to a specific marketing campaign.
Attribute	campaignStartDateTime	dateTime	0..1	The date suggested by the supplier for the campaign to start. It indicates the beginning of a marketing campaign.
MarketingInformation				Information on a trade item meant to convey features and benefits.
Association		MarketingCampaign	0..*	Details on a sales or marketing campaign for a trade item.
Association	illegalToAdvertiseTargetMarket	TargetMarket	0..*	The target market where it is prohibited by law to advertise a trade item. An example of this is France where laxatives are illegal to advertise.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		Season	0..*	Information on whether or not the trade item is only offered during certain parts of the year or targeted to different seasons.
Association		TargetConsumer	0..1	Target consumer details for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	builtInProductType	string	0..*	The type of product that the trade item is combined with for example a VCR in the case that a television is combined with a VCR.
Attribute	couponFamilyCode	string	0..1	A code assigned by the vendor to a single trade item or to families of consumer trade items that can be used by in store scanners in conjunction with a U.P.C. coupon value code for coupon value discount when the proper trade item has been purchased.
Attribute	gradeCodeReference	Code	0..*	A code indicating the degree of refinement, features, or capabilities for a trade item for example the quality grade of a ceramic tile or of a food item such as eggs.
Attribute	specialItemCode	SpecialItemCode	0..*	This element identifies specific items for promotional or special tracking purposes.
Attribute	tradeItemFeatureBenefit	Description250	0..*	Element for consumer facing market-ing content to describe the key features or benefits of the style suitable for display purposes.
Attribute	tradeItemFeatureCodeReference	Code	0..*	A code depicting a distinctive functionality offered as a special attraction to the trade item for example BUILT_IN_ALARM_CLOCK. Use FeatureCode.
Attribute	tradeItemIncludedAccessories	Description1000	0..1	Any included object or device not part of the core product itself but which adds to its functionality or use.
Attribute	tradeItemMarketingMessage	Description1000	0..1	Marketing message associated to the Trade item.
Season				Information on whether or not the trade item is only offered during certain parts of the year or targeted to different seasons.
Attribute	isTradeItemSeasonal	NonBinaryLogicEnumeration	0..1	An indicator whether or not the trade item is only offered during certain parts of the year or targeted to different seasons.
Attribute	seasonalAvailabilityEndDateTime	dateTime	0..1	Indicates the end date of the trade item's seasonal availability.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	seasonalAvailabilityStartDateTime	dateTime	0..1	Indicates the start date of the trade item's seasonal availability.
Attribute	seasonCalendarYear	gYear	0..*	This element indicates the calendar year in which the trade item is seasonally available.
Attribute	seasonName	Description70	0..*	Element defines the season applicable to the item.
Attribute	seasonParameterCode	SeasonParameterCode	0..*	Indication of the season, in which the trade item is available, i.e. assignment to one of the following collection periods: spring/summer, autumn/ winter or all year around.
TargetConsumer				The type of consumer the trade item is marketed towards for example gender or age.
Attribute	targetConsumerAge	Description70	0..1	Identifies the target consumer age range for which a trade item has been designed.
Attribute	targetConsumerGender	TargetConsumerGenderCode	0..1	Identifies the target consumer gender for which a product has been designed.

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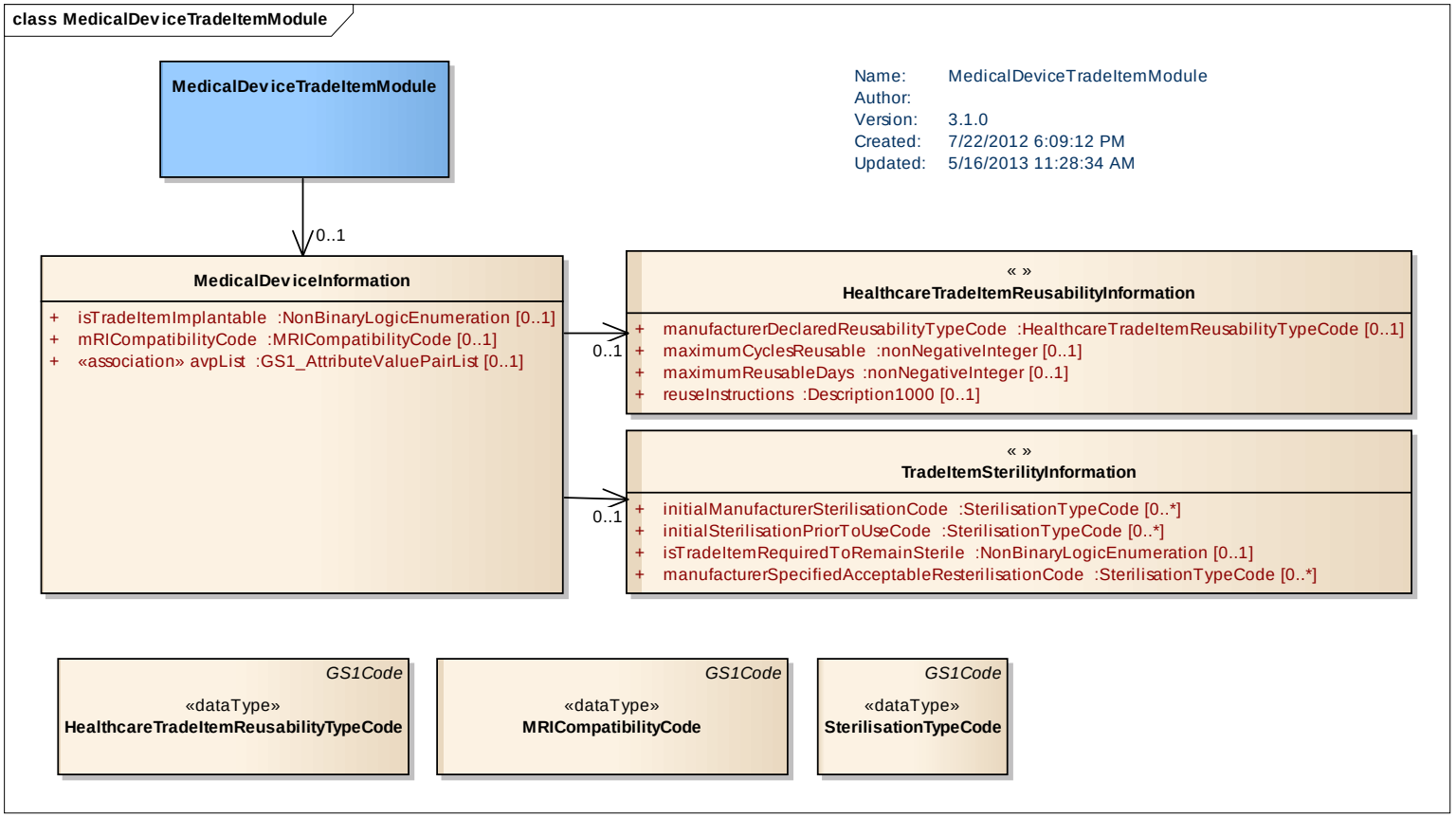
5.30. Medical Device Trade Item Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
MedicalDeviceInformation				Information on medical device trade items.
Association		TradeItemSterilityInformation	0..1	Information regarding sterility of Healthcare trade items.
Association		HealthCareTradeItemReusabilityInformation	0..1	Provides the ability to specify details about the reusability of a healthcare trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	isTradeItemImplantable	NonBinaryLogicEnumeration	0..1	Implantable devices are defined as devices that are partly or totally inserted into the human body, as determined by local regulations.
Attribute	mRICompatibilityCode	MRICompatibilityCode	0..1	This is an identification of the compatibility of a trade item for use in the presence of a Magnetic Resonance Imaging (MRI) system.
MedicalDeviceInformationModule				A module containing information on medical device trade items.
Association		MedicalDeviceInformation	0..1	Information on medical device trade items.
HealthcareTradeItemReusabilityInformation				Provides the ability to specify details about the reusability of a healthcare trade item.
Attribute	manufacturerDeclaredReusabilityTypeCode	HealthcareTradeItemReusabilityTypeCode	0..1	Determines if the product is intended for single or multiple uses, including the number of validated cycles and the number of times a product can be used according to the manufacturer specifications. It is suggested that medical providers consult the device manufacturer's Instruction For Use (IFU) for full reusability instructions.
Attribute	maximumCyclesReusable	nonNegativeIntegeer	0..1	Maximum number of times this Trade Item can be reused.
Attribute	maximumReusableDays	nonNegativeIntegeer	0..1	Maximum number of days this product can be reused.
Attribute	reuseInstructions	Description1000	0..1	Additional instructions that advise the customer on the reusability limitations of this product.
TradeItemSterilityInformation				Information regarding sterility of Healthcare trade items.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	initialManufacturerSterilisationCode	SterilisationTypeCode	0..*	Type(s) of sterilisation that may have been performed by the manufacturer if a trade item is sterile when it comes from the manufacturer. Sterilisation refers to any process that effectively kills or eliminates transmissible agents (such as fungi, bacteria, viruses, prions and spore forms etc.) from a surface, equipment, foods, medications, or biological culture medium. Some methods of sterilisation are through the application of heat, radiation, and ethylene.
Attribute	initialSterilisationPriorToUseCode	SterilisationTypeCode	0..*	This is an indication of the type(s) of sterilisation that is required to be completed by a healthcare provider prior to initial use of the healthcare trade item. Sterilisation refers to any process that effectively kills or eliminates transmissible agents (such as fungi, bacteria, viruses, prions and spore forms etc.) from a surface, equipment, foods, medications, or biological culture medium. Some methods of sterilisation are through the application of heat, radiation, and ethylene.
Attribute	isTradeItemRequiredToRemainSterile	NonBinaryLogicEnumeration	0..1	An indication that the products sterile status must be maintained from the point in time of sterilisation until point of administration.
Attribute	manufacturerSpecifiedAcceptableResterilisationCode	SterilisationTypeCode	0..*	This is a list of the type(s) of acceptable sterilisation that a reusable trade item can undergo by a healthcare provider if a trade item is reusable. Sterilisation refers to any process that effectively kills or eliminates transmissible agents (such as fungi, bacteria, viruses, prions and spore forms etc.) from a surface, equipment, foods, medications, or biological culture medium. Some methods of sterilisation are through the application of heat, radiation, and ethylene.

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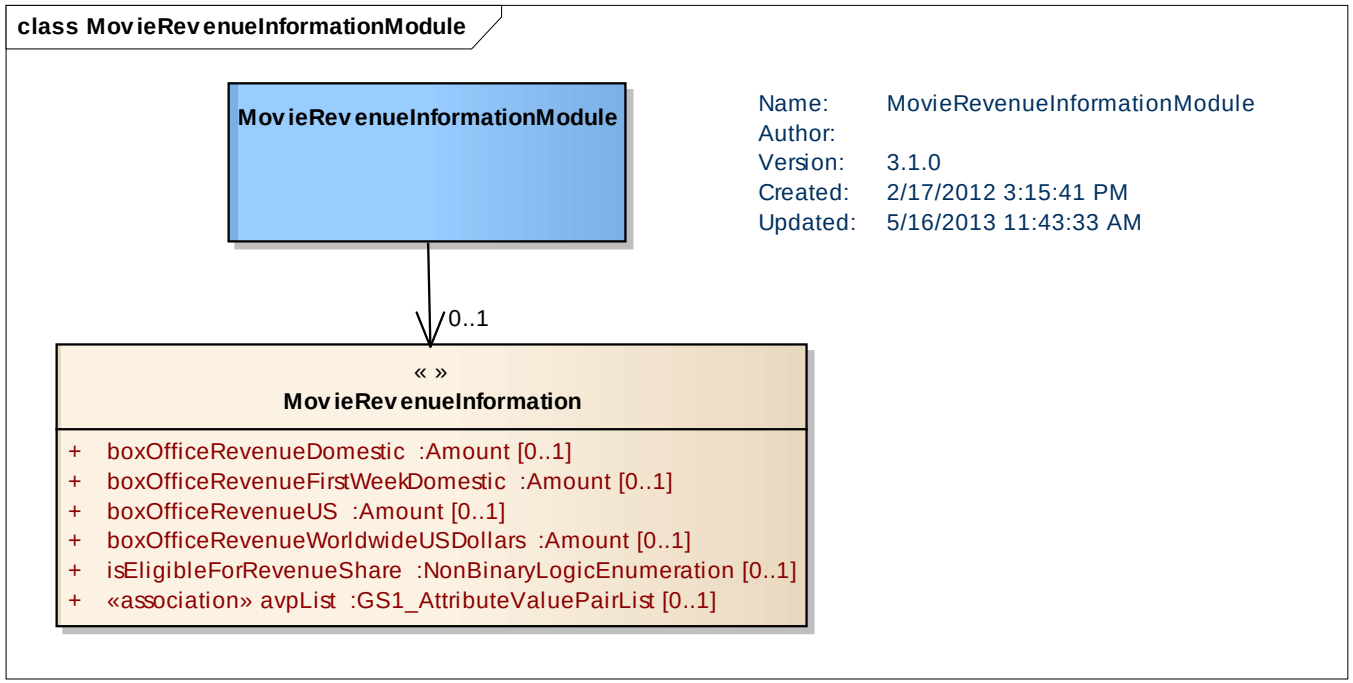
5.31. Movie Revenue Information Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
MovieRevenueInformationModule				A module containing attributes relating to the revenue of a film.
Association		MovieRevenueInformation	0..1	Logical grouping of attributes relating to the revenue of a film.
MovieRevenueInformation				Logical grouping of attributes relating to the revenue of a film.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
Attribute	boxOfficeRevenueDomestic	Amount	0..1	The revenue the film earned on the target market expressed in local currency.
Attribute	boxOfficeRevenueFirstWeekDomestic	Amount	0..1	The revenue the film earned on the target market for the first week expressed in local currency.
Attribute	boxOfficeRevenueUS	Amount	0..1	The revenue the film earned on the US market expressed in US dollars.
Attribute	boxOfficeRevenueWorldwideUSDollars	Amount	0..1	The revenue the film earned on all the markets expressed in US dollars.the revenue the film earned on all the markets expressed in US dollars.
Attribute	isEligibleForRevenueShare	NonBinaryLogicEnumeration	0..1	A boolean that indicates if the film is available for revenue share or not.

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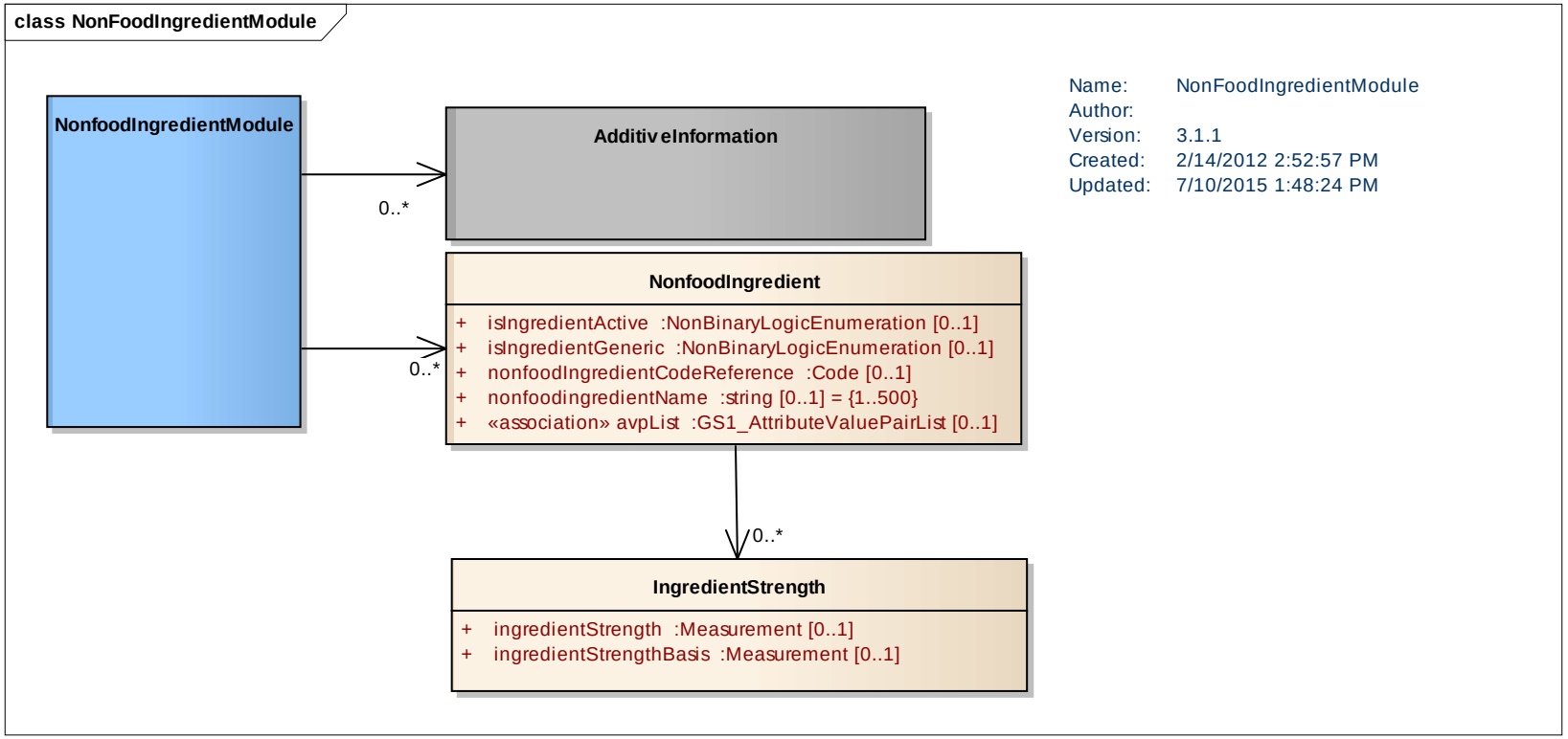
5.32. Nonfood Ingredient Module



Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
NonfoodIngredient				Information on ingredients for items that are not food for example detergents, medicines.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
association		IngredientStrength	0..*	Information on the strength of a nonfood ingredient.
Attribute	isIngredientActive	NonBinaryLogicEnumeration	0..1	Determines whether the ingredient helps directly in achieving the objectives of the trade item.
Attribute	isIngredientGeneric	NonBinaryLogicEnumeration	0..1	Determines whether the ingredient is classified as being generic.
Attribute	nonfoodIngredientCodeReference	Code	0..1	A code from a specific code list for a nonFood ingredient.
Attribute	nonfoodIngredientName	string	0..1	The name of the non-food ingredient for example ammonia.
NonfoodIngredientModule				A module providing Information on ingredients for items that are not food for example detergents, medicines.
Association		NonfoodIngredient	0..*	Information on ingredients for items that are not food for example detergents, medicines.
Association		AdditiveInformation	0..*	Information on presence or absence of additives or genetic modifications contained in the trade item.
IngredientStrength				Information on the strength of a nonfood ingredient.
Attribute	ingredientStrength	Measurement	0..1	Used to define the strength of each ingredient in a trade item or unit volume of non food and beverage the trade items.
Attribute	ingredientStrengthBasis	Measurement	0..1	The basis amount for an ingredient strength for example 1000 millilitres in the case of 400 milligrams per 1000 millilitres.

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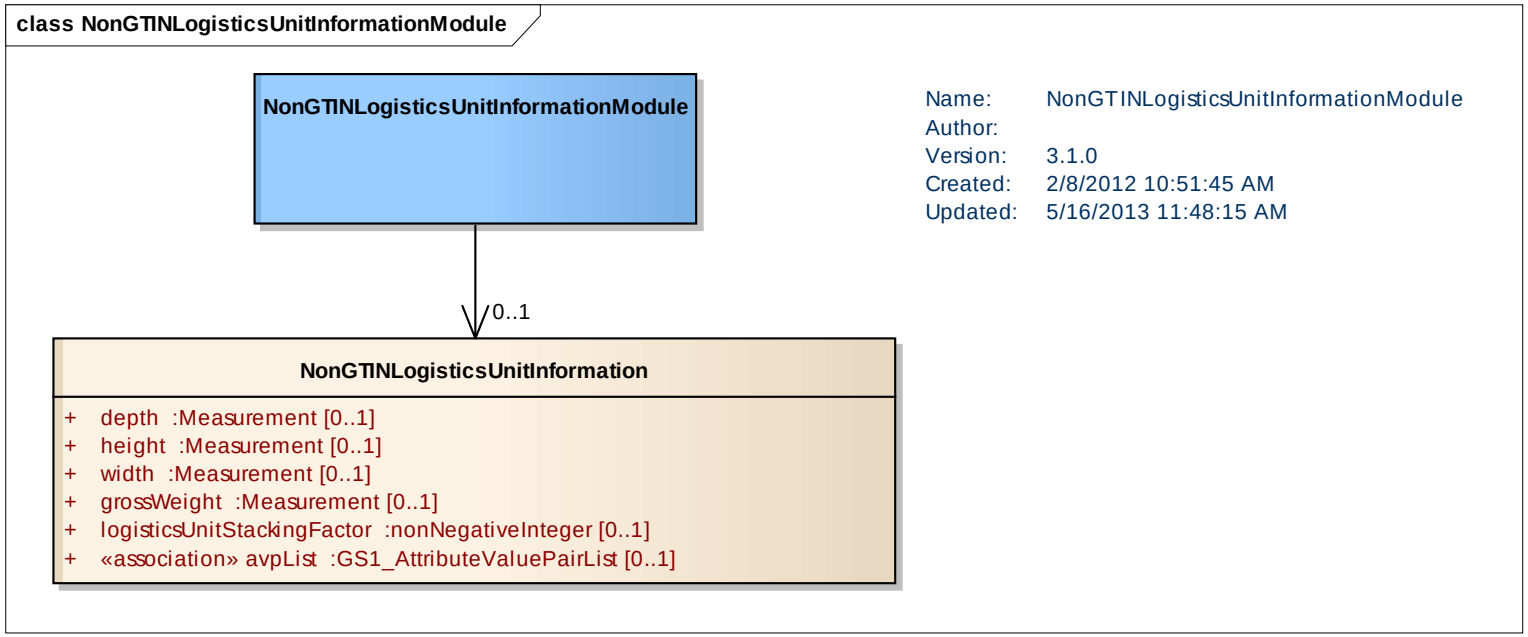
5.33. NonGTIN Logistics Unit Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
NonGTINLogisticsUnitInformationModule				A module detailing information on a logistics item without a GTIN.
Association		NonGTINLogisticsUnitInformation	0..1	Details on a logistics item without a GTIN.
NonGTINLogisticsUnitInformation				Details on a logistics item without a GTIN.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	depth	Measurement	0..1	The depth of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform.
Attribute	height	Measurement	0..1	The height of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Platform Type Code chosen.
Attribute	width	Measurement	0..1	The width of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Platform Type Code chosen.
Attribute	grossWeight	Measurement	0..1	The weight of both the unit load (content) and the platform upon which the goods are carried if there is one.
Attribute	logisticsUnitStackingFactor	nonNegativeInteger	0..1	The stacking factor of both the unit load (content) and the platform upon which the goods are carried, if there is one. A stacking factor determines the maximum stacking for the product. Indicates the number of levels the product may be stacked.

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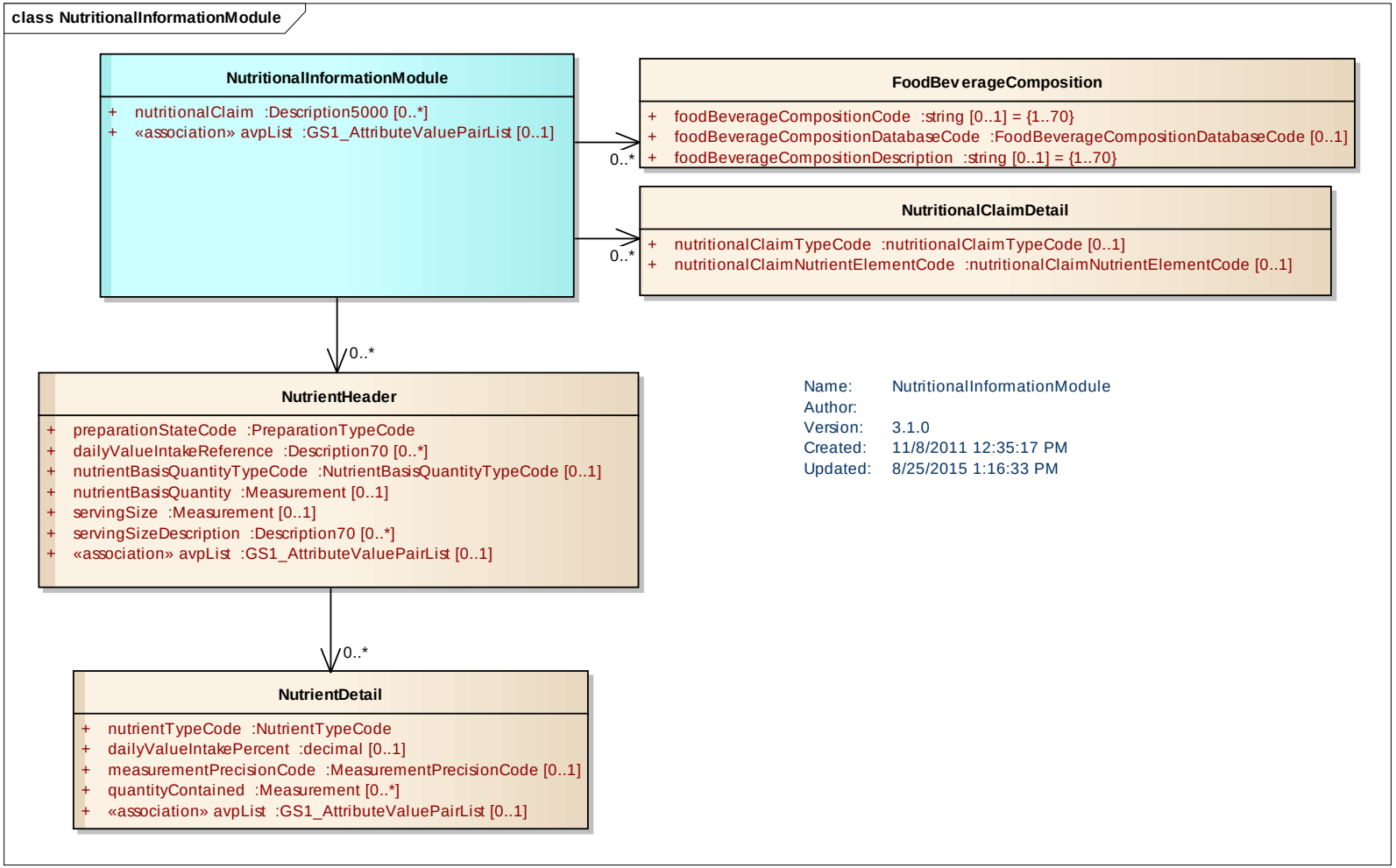
5.34. Nutritional Information Module



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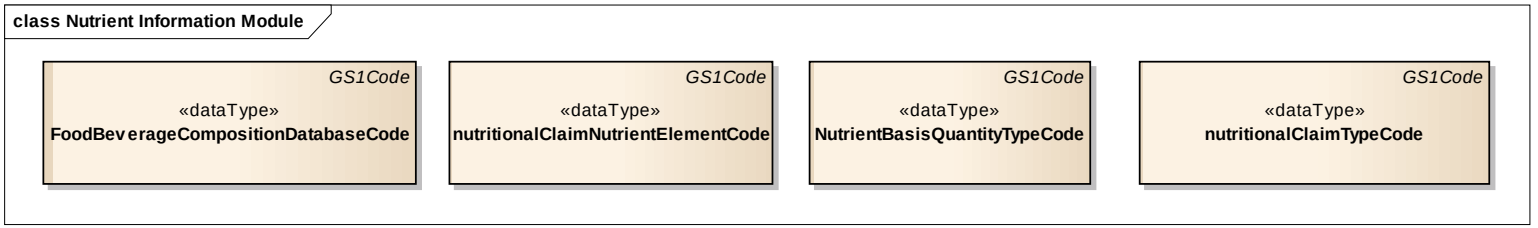

content	attribute / role	datatype /secondary class	multiplicity	definition
FoodBeverageComposition				Information on the nutritional composition of foods and beverages from food composition databases.
Attribute	foodBeverageCompositionCode	string	0..1	A value assigned by the agency for the lookup of food composition information that applies to regulatory nutrition information e.g. R851011.
Attribute	foodBeverageCompositionDatabaseCode	FoodBeverageCompositionDatabaseCode	0..1	A code depicting an agency which manages a food composition database that applies to regulatory nutrition information, for example, the Government of Canada.
Attribute	foodBeverageCompositionDescription	string	0..1	A text description of either the associated value or the actual database entry lookup for example chicken soup clear instant.
NutritionalClaimDetail				Details on a nutritional claim for a trade item permitted by known regulations for a target market.
	nutritionalClaimTypeCode	nutritionalClaimTypeCode	0..1	A code depicting the degree to which a trade item contains a specific nutrient or ingredient in relation to a health claim for example FREE_FROM.
	nutritionalClaimNutrientElementCode	nutritionalClaimNutrientElementCode	0..1	The type of nutrient, ingredient, vitamins and minerals that the nutritional claim is in reference to for example fat, copper, milk.
NutritionalInformationModule				Information about content of nutrients. Multiple sets of nutrient information can be specified with varying state, serving size and daily value intake base.
Attribute	nutritionalClaim	Description5000	0..*	Free text field for any additional nutritional claims.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Association		NutritientHeader	0..*	Nutrient information for a trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		NutritionalClaimDetail	0..*	Details on a nutritional claim for a trade item permitted by known regulations for a target market.
Association		FoodBeverageComposition	0..*	Information on the nutritional composition of foods and beverages from food composition databases.
NutritientHeader				Information about content of nutrients. Multiple sets of nutrient information can be specified with varying state, serving size and daily value intake base.
Association		NutrientDetail	0..*	Nutrient detail for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	dailyValueIntakeReference	Description70	0..*	Free text field specifying the daily value intake base for on which the daily value intake per nutrient has been based. Example: “Based on a 2000 calorie diet.”
Attribute	nutrientBasisQuantity	Measurement	0..1	The basis amount that a nutrient is measured against when it is not serving size. For example, 120 gr in the case of 30 kj per 120 gr.
Attribute	nutrientBasisQuantityTypeCode	NutrientBasisQuantityTypeCode	0..1	The type of quantity contained for example measurement, serving size, or container.
Attribute	preparationStateCode	PreparationTypeCode	1..1	Code specifying the preparation state or type the nutrient information applies to, for example, unprepared, boiled, fried.
Attribute	servingSizeDescription	Description70	0..*	A free text field specifying the serving size for which the nutrient information has been stated for example: per 1/3 cup (42 g).
Attribute	servingSize	Measurement	0..1	Measurement value specifying the serving size in which the information per nutrient has been stated. Example: Per 100 grams.
NutrientDetail				Information on the nutrients contained in the product. Examples are vitamins, minerals, different types of carbohydrates, different types of saturated fat, types of unsaturated fat, types of polyunsaturated fat.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	dailyValueIntakePercent	decimal	0..1	The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market. Is expressed relative to the serving size and base daily value intake.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	measurementPrecisionCode	MeasurementPrecisionCode	0..1	Code indicating whether the specified nutrient content is exact or approximate. One should follow local regulatory guidelines when selecting a precision.
Attribute	nutrientTypeCode	NutrientTypeCode	1..1	Code from the list of the INFOODS food component tag names
Attribute	quantityContained	Measurement	0..*	Measurement value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.

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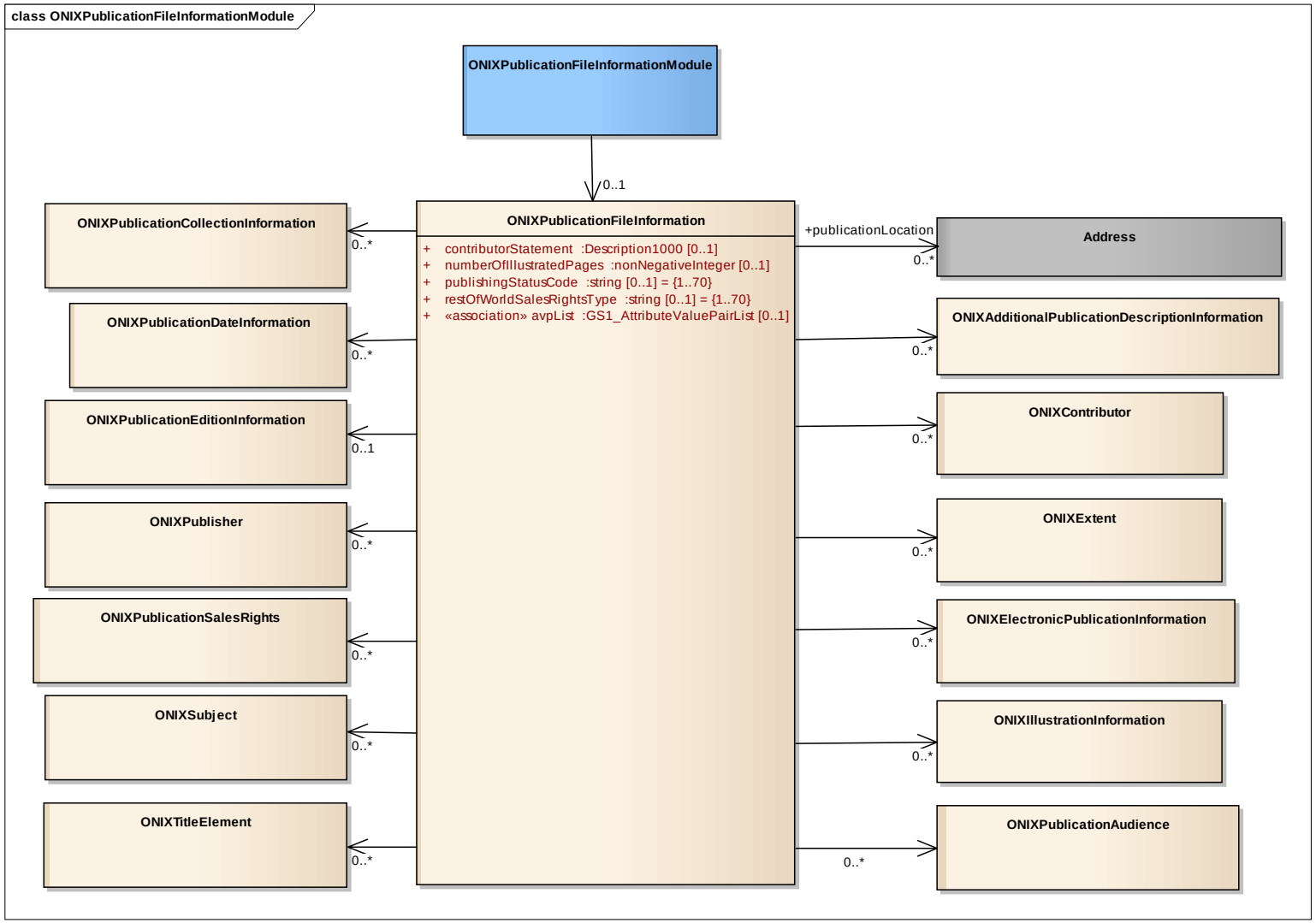
5.35. ONIX Publication File Information Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationFileInformationModule				An extension to the trade item providing books and publication information found in ONIX files.
Association		ONIXPublicationFileInformation	0..1	Trade item information on books and publication found in ONIX files.
ONIXPublicationFileInformation				An extension to the trade item providing books and publication information found in ONIX files.
Association	publicationLocation	Address	0..*	The location (e.g. City, Country) where the item was published.
Association		ONIXAdditionalPublicationDescriptionInformation	0..*	Additional Publication Descriptions/Reviews for Publication Information
Association		ONIXContributor	0..*	information on Contributors for Publication Information
Association		ONIXExtent	0..*	Information on Extent for Publication Information
Association		ONIXElectronicPublicationInformation	0..*	Electronic publication details for a trade item.
Association		ONIXIllustrationInformation	0..*	information on Illustration Information for Publication Information
Association		ONIXPublicationAudience	0..*	Information on Target Audience for Publication Information
Association		ONIXPublisher	0..*	information on Publisher for Publication Information
Association		ONIXPublicationCollectionInformation	0..*	Information on Publication Collections for Publication Information
Association		ONIXPublicationDateInformation	0..*	Information on Publication Date Information for Publication Information
Association		ONIXPublicationEditionInformation	0..1	Information on Publication Edition Information for Publication Information
Association		OnixPublicationSalesRights	0..*	Information on Sales Rights for Publication Information
Association		ONIXSubject	0..*	This information on Subject for Publication Information
Association		ONIXTitleElement	0..*	Information on Publication Title for Publication Information

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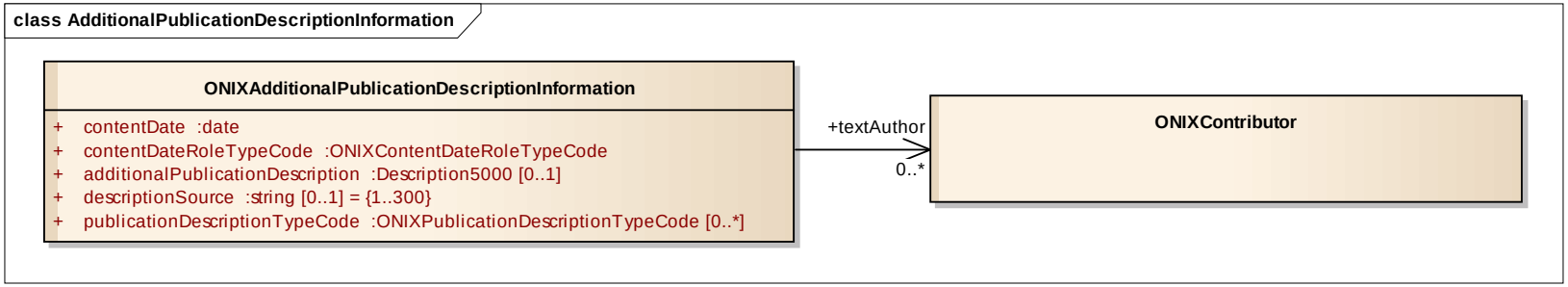
content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	contributorStatement	Description1000	0..1	Text showing how the authorship should be described in an online display, when a standard concatenation of individual contributor elements would not give a satisfactory presentation. Optional and non-repeating. When this field is sent, the receiver should use it to replace all name detail sent in the Contributor Class for display purposes only. It does not replace the biographicalNote attribute.
Attribute	numberOfIllustratedPages	nonNegativeInteger	0..1	The total number of illustrations in a book or other printed product.
Attribute	publishingStatusCode	string	0..1	Identifies the status of a published product
Attribute	restOfWorldSalesRightsType	String	0..1	A description of the sales rights applicable in territories not specifically associated with a defined sales right.



content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXAdditionalPublicationDescriptionInformation				A group of data elements which together carry text related to the product.
Association	textAuthor	ONIXContributor	0..*	The name of an author of text
Attribute	additionalPublicationDescription	Description5000	0..1	The publication description to be used for marketing purposes (i.e. cover description, review).
Attribute	contentDate	date	1..1	Date information applicable to the Additional Description Information

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	contentDateRoleTypeCode	OnixContentDateRoleTypeCode	1..1	Indicates the significance of the date in relation to the text content.
Attribute	descriptionSource	string	0..1	The name of a company or corporate body responsible for the text.
Attribute	publicationDescriptionTypeCode	ONIXPublicationDescriptionTypeCode	0..*	Identifies the type of text which is sent. This attribute uses the Description Type Code List (ONIX Code 153)

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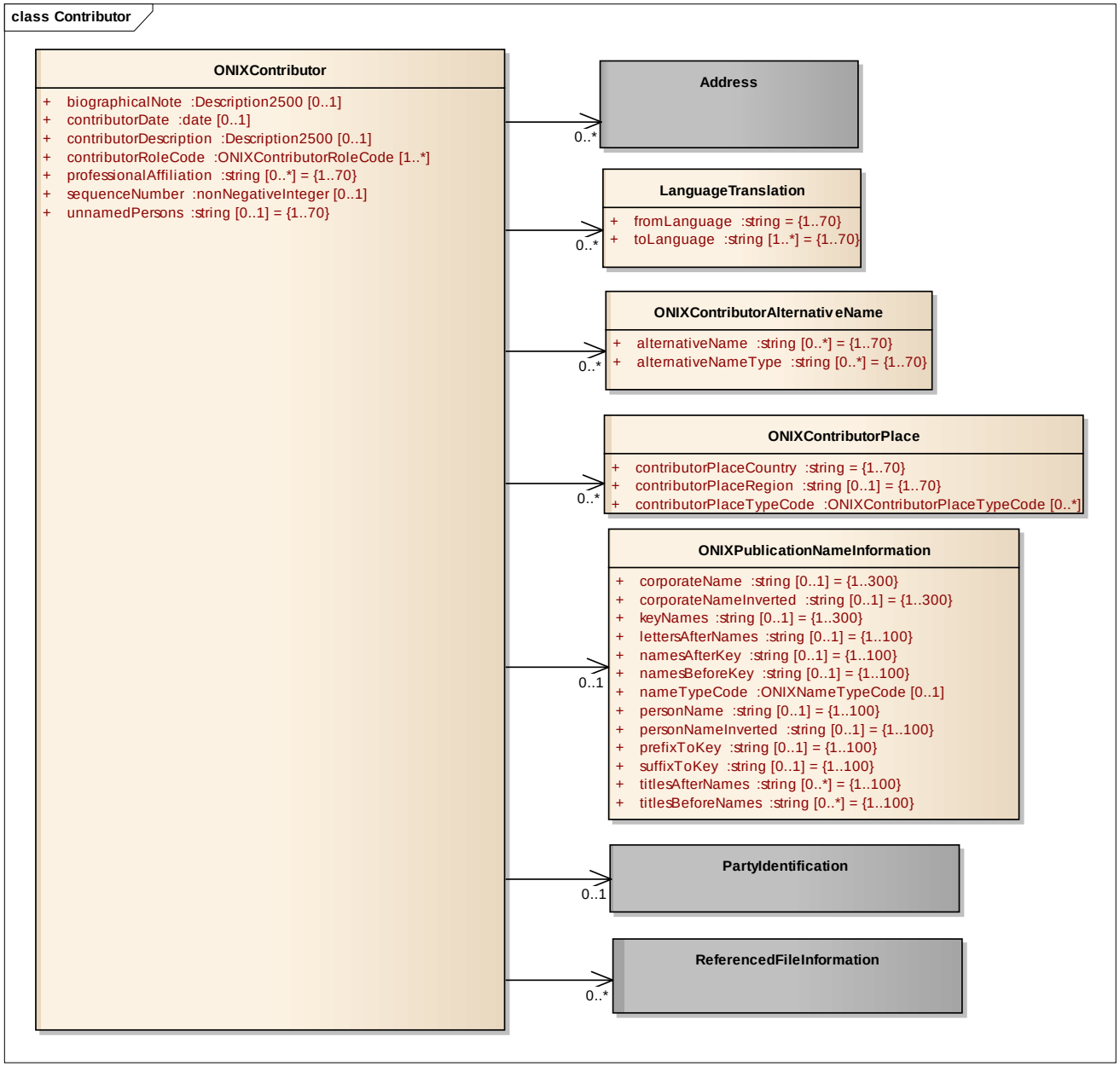

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content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXContributor				A group of data elements which together describe a personal or corporate contributor to a collection.
Association		Address	0..*	City and country information for a contributor.
Association		LanguageTranslation	0..*	Information on language translations performed by the contributor.
Association		ONIXContributorAlternativeName	0..*	Any alternative names for the contributor.
Association		ONIXContributorPlace	0..*	Location information for a contributor.
Association		ONIXPublicationNameInformation	0..1	Publication information for a contributor.
Association		ReferencedFileInformation	0..*	Provides the URL for the contributor website.
Association		PartyIdentification	0..1	Party identification for a contributor.
Attribute	biographicalNote	Description2500	0..1	A biographical note about a contributor to the product. May occur with a person name or with a corporate name. A biographical note should always contain the name of the person or body concerned, and it should always be presented as a piece of continuous text consisting of full sentences.
Attribute	contributorDate	date	0..1	The date specified that is associated with the person or organization identified as a contributor.
Attribute	contributorDescription	Description2500	0..1	Brief text describing a contributor to the product, at the publisher's discretion. Optional and non-repeating. It may be used with either a person or corporate name, to draw attention to any aspect of a contributor's background which supports the promotion of the book.
Attribute	contributorRoleCode	ONIXContributorRoleCode	1..*	Indicates the role played by a person or corporate body in the creation of the product. Mandatory in each occurrence of the Contributor class, and may be repeated if the same person or corporate body has more than one role in relation to the product.
Attribute	professionalAffiliation	string	0..*	An organisation to which a contributor to the product was affiliated at the time of its creation
Attribute	sequenceNumber	nonNegativeInteger	0..1	A number which specifies a single overall sequence of contributor names

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	unnamedPersons	string	0..1	Used only when the code value is B06, B08 or B10 indicating a translator, to specify the target language into which the translation was made. This element makes it possible to specify a translator's exact responsibility when a work involves translation into two or more languages. Optional and repeatable in the event that a single person has been responsible for translation to two or more languages.
ONIXContributorPlace				Location information for a contributor.
Attribute	contributorPlaceCountry	string	1..1	A code identifying a country with which a contributor is particularly associated.
Attribute	contributorPlaceRegion	string	0..1	Identifies a region with which a contributor is particularly associated
Attribute	contributorPlaceTypeCode	ONIXContributorPlaceTypeCode	0..*	Identifies a region with which a contributor is particularly associated
ONIXPublicationNameInformation				Publication information for a contributor.
Attribute	corporateName	string	0..1	The name of a corporate body.
Attribute	corporateNameInverted	string	0..1	The inverted name of a corporate body
Attribute	keyNames	string	0..1	Part of a structured name of a person who contributed to the creation of the product: key name(s), i.e. the name elements normally used to open an entry in an alphabetical list, e.g. 'Smith' or 'Garcia Marquez' or 'Madonna' or 'Francis de Sales' (in Saint Francis de Sales).
Attribute	lettersAfterNames	string	0..1	Qualifications and honours following a person's names, e.g. 'CBE FRS'.
Attribute	namesAfterKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: name suffix, or name(s) following a person's key name(s), e.g. 'Ibrahim' (in Anwar Ibrahim).
Attribute	namesBeforeKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: name(s) and/or initial(s) preceding a person's key name(s), e.g. James J
Attribute	nameTypeCode	ONIXNameTypeCode	0..1	Indicates the type of the name

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	personName	string	0..1	The name of a person who contributed to the creation of the product, unstructured, and presented in normal order.
Attribute	personNameInverted	string	0..1	The name of a person who contributed to the creation of the product, presented in inverted order, with the element used for alphabetical sorting placed first.
Attribute	prefixToKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: a prefix which precedes the key name(s) but which is not to be treated as part of the key name, e.g. ‘van’ in Ludwig van Beethoven. This element may also be used for titles that appear after given names and before key names, e.g. ‘Lord’ in Alfred, Lord Tennyson.
Attribute	suffixToKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: a suffix following a person’s key name(s), e.g. ‘Jr’ or ‘III’.
Attribute	titlesAfterNames	string	0..*	Part of a structured name of a person who contributed to the creation of the product: titles following a person’s names, e.g. ‘Duke of Edinburgh’.
Attribute	titlesBeforeNames	string	0..*	Part of a structured name of a person who contributed to the creation of the product: qualifications and/or titles preceding a person’s names, e.g. ‘Professor’ or ‘HRH Prince’ or ‘Saint’.
LanguageTranslation				Information on any language translations (from and to) that apply to the published trade item.
Attribute	fromLanguage	string	1..1	Used only when the code value is B06, B08 or B10 indicating a translator, to specify the source language from which the translation was made. This element makes it possible to specify a translator’s exact responsibility when a work involves translation from two or more languages. Optional and repeatable in the event that a single person has been responsible for translation from two or more languages.
Attribute	toLanguage	string	1..*	Used only when the code value is B06, B08 or B10 indicating a translator, to specify the target language into which the translation was made. This element makes it possible to specify a translator’s exact responsibility when a work involves translation into two or more languages. Optional and repeatable in the event that a single person has been responsible for translation to two or more languages.

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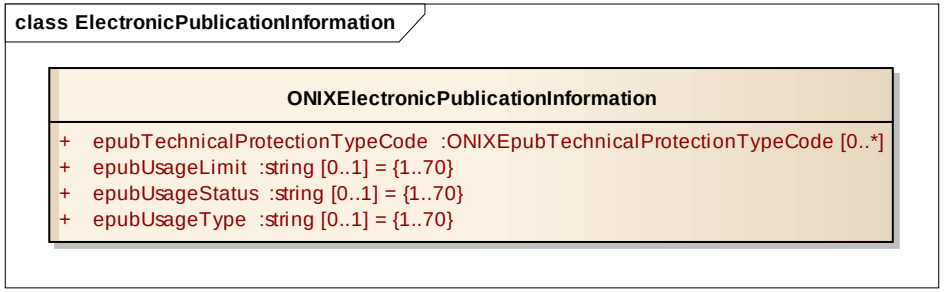
content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXContributorAlternativeName				Any alternative names for the contributor.
Attribute	alternativeName	string	0..*	It may be used to send a pseudonym as well as a real name, where both names are on the product, eg to handle such cases as 'Ian Rankin writing as Jack Harvey'; or to send an authority-controlled form of a name; or to identify the real name of the contributor where the book is written under a pseudonym (and the real identity need not be kept private). Note that in all cases, the primary name is that used on the product, and the alternative name merely provides additional information.
Attribute	alternativeNameType	string	0..*	Indicates the type of the name sent in an occurrence of the composite.



content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXElectronicPublicationInformation				Describes a usage constraint on a digital product, whether imposed by DRM technical protection or inherent in the platform used (or the absence of such constraint).
Attribute	epubTechnicalProtectionTypeCode	ONIXEpubTechnicalProtectionTypeCode	0..*	Specifies whether a digital product has DRM or other technical protection features.
Attribute	epubUsageLimit	string	0..1	Specifies a quantitative limit on a particular type of usage of a digital product.
Attribute	epubUsageStatus	string	0..1	Specifies the status of a usage of a digital product, e.g. permitted without limit, permitted with limit, prohibited.
Attribute	epubUsageType	string	0..1	Specifies a usage of a digital product.

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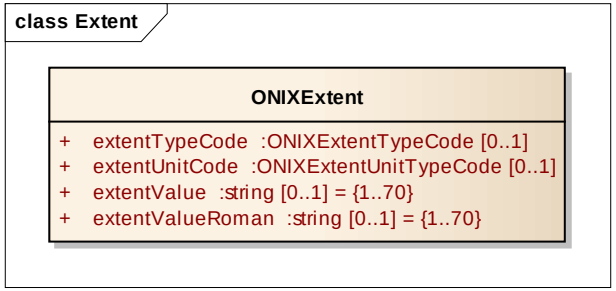

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXExtent				A repeatable group of data elements which together describe an extent pertaining to the product. Optional, but in practice required for most products, e.g. to give the number of pages in a printed book or paginated ebook, or to give the running time of an audiobook.
Attribute	extentTypeCode	ONIXExtentTypeCode	0..1	An ONIX code which identifies the type of extent carried in the composite, eg running time for an audio or video product. Mandatory in each occurrence of the <Extent> composite, and non-repeating. From Issue 9 of the code lists, an extended set of values for <ExtentType> has been defined to allow more accurate description of pagination.
Attribute	extentUnitCode	ONIXExtentUnitTypeCode	0..1	An ONIX code indicating the unit used for the <ExtentValue> and the format in which the value is presented. Mandatory in each occurrence of the <Extent> composite, and non-repeating. Recommended to use ONIX List 24: Extent Unit Code.
Attribute	extentValue	string	0..1	The numeric value of the extent specified in <ExtentType>. Optional, and non-repeating. However, either <ExtentValue> or <ExtentValueRoman> must be present in each occurrence of the <Extent> composite; and it is very strongly recommended that <ExtentValue> should always be included, even when the original product uses Roman numerals.
Attribute	extentValueRoman	string	0..1	The value of the extent expressed in Roman numerals. Optional, and non-repeating. Used only for page runs which are numbered in Roman.

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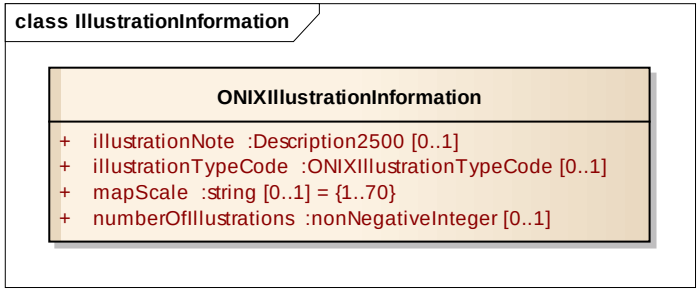

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXIllustrationInformation				A repeatable group of data elements which together specify the number of illustrations which the product carries.
Attribute	illustrationNote	Description2500	0..1	For books or other text media only, this data element carries text stating the number and type of illustrations. The text may also include other content items, eg maps, bibliography, tables, index etc. Optional and non-repeating.
Attribute	illustrationTypeCode	ONIXIllustrationTypeCode	0..1	Identifies the type of illustration or other content to which an occurrence of the composite refers. Mandatory in each occurrence
Attribute	mapScale	string	0..1	The scale of a map, expressed as a ratio 1:nnnnn; only the number nnnnn is carried in the data element, without spaces or punctuation. Optional, and repeatable if a product comprises maps with two or more different scales.
Attribute	numberOfIllustrations	nonNegativeInteger	0..1	The number of illustrations or other content items of the type specified. Optional and non-repeating.

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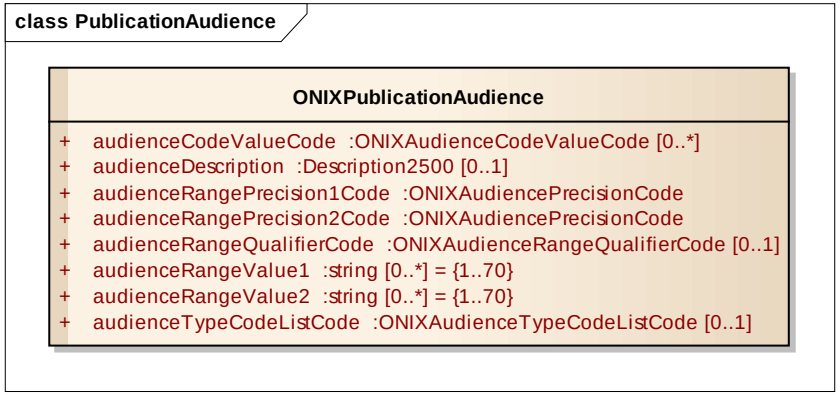

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationAudience				A repeatable group of data elements which together describe an audience to which the product is directed.
Attribute	audienceCodeValueCode	ONIXAudienceCodeValueCode	0..*	Identifies the applicable values of the appropriate audienceCodeType. For Audience Code Type 01 (Onix Type) this value should be populated with Onix Audience Code 28 (Books: Onix Audience Code Value Code)
Attribute	audienceDescription	Description2500	0..1	Free text describing the audience for which a product is intended. Optional and non-repeating.
Attribute	audienceRangePrecision1Code	ONIXAudiencePrecisionCode	1..1	Specifies the 'precision' of the value in the AudienceRange attribute which follows (From, To, Exact). Mandatory in each occurrence of the AudienceRange, and non-repeating.
Attribute	audienceRangePrecision2Code	AudiencePrecisionCode	1..1	Specifies the 'precision' of the value in AudienceRange attribute which follows. Optional and non-repeating. This second occurrence of the two elements audienceRangePrecision and audienceRange is required only when a 'From … to …' range is specified.
Attribute	audienceRangeQualifierCode	ONIXAudienceRangeQualifierCode	0..1	Specifies the attribute (age, school grade etc) which is measured by the value in the AudienceRange attribute.
Attribute	audienceRangeValue1	string	0..*	A value indicating an exact position within a range, or the upper or lower end of a range.
Attribute	audienceRangeValue2	string	0..*	A value indicating the upper end of a range.
Attribute	audienceTypeCodeListCode	ONIXAudienceTypeCodeListCode	0..1	Identifies the broad audience or readership for which a product is intended. Repeatable if the product is intended for two or more groups.

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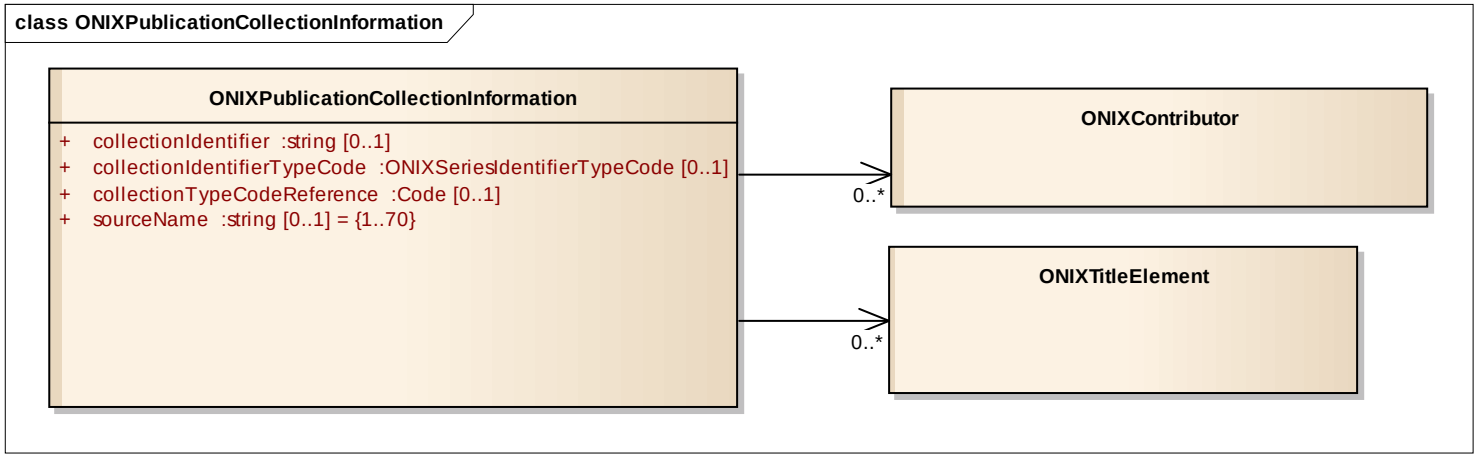

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationCollectionInformation				Carries attributes of a bibliographic collection of which the product is part.
Association		ONIXContributor	0..*	A contributor for a publication collection.
Association		ONIXTitleElement	0..*	The title element for a publication collection.
Attribute	collectionIdentifier	string	0..1	Identifier of the type specified in the collectionIDType field.
Attribute	collectionIdentifierTypeCode	ONIXSeriesIdentifierTypeCode	0..1	Identifies the scheme from which an identifier in the collectionIdentifier is taken. This attribute utilizes the Series Identifier Type Code List (Onix List 13)
Attribute	collectionTypeCodeReference	Code	0..1	Indicates the type of a bibliographic collection: publisher collection, ascribed collection, or unspecified
Attribute	sourceName	string	0..1	If the CollectionType code indicates an 'ascribed collection' (i.e. a collection which has been identified and described by a supply chain organisation other than the publisher), this element may be used to carry the name of the organisation responsible.

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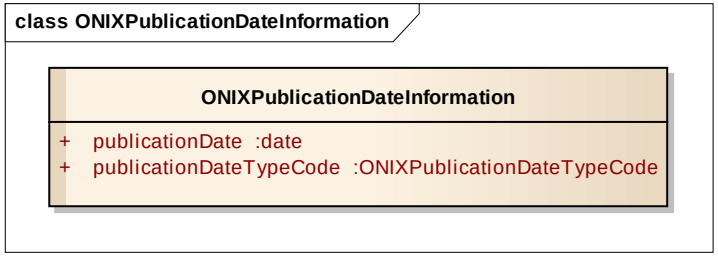

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationDateInformation				An optional and repeatable group of data elements which together specify a date associated with the text carried in an occurrence of the composite, e.g. date when quoted text was published.
	publicationDate	Date	1..1	The date specified in the field. Mandatory in each occurrence of the composite, and non-repeating. May carry a dateformat attribute: if the attribute is missing, then indicates the format of the date; if both dateformat attribute and element are missing, the default format is YYYYMMDD.
	publicationDateTimeCode	ONIXPublicationDateType	1..1	An ONIX code indicating the significance of the date in relation to the text content. Mandatory in each occurrence of the composite, and non-repeating. In ONIX this is the and utilizes list 155.

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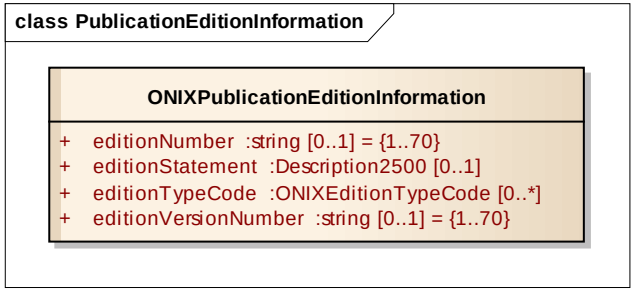

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationEditionInformation				Describes an edition of a work which is manifested in the product. Its use should generally be limited to describing an edition whose content is materially different from that of other editions of the same work. However, it may sometimes be used to specify a product feature (eg 'bilingual edition') without necessarily implying that another, different, edition also exists.
Attribute	editionNumber	string	0..1	The number of a numbered edition. Optional and non-repeating. Normally sent only for the second and subsequent editions of a work, but by agreement between parties to an ONIX exchange a first edition may be explicitly numbered.
Attribute	editionStatement	Description2500	0..1	A short free-text description of a version or edition. Optional and non-repeating. When used, an <EditionStatement> must be complete in itself, ie it should not be treated as merely supplementary to an <EditionType> or an <EditionNumber>. An <EditionStatement> should be strictly limited to describing features of the content of the edition, and should not include aspects such as rights or market restrictions.
Attribute	editionTypeCode	ONIXEditionTypeCode	0..*	Indicates the type of a version or edition. Optional, and repeatable if the product has characteristics of two or more types (eg 'revised' and 'annotated').
Attribute	editionVersionNumber	string	0..1	The number of a numbered revision within an edition number. To be used only where a publisher uses such two-level numbering to indicate revisions which do not constitute a new edition under a new ISBN or other distinctive product identifier. Optional and non-repeating. If this field is used, an <EditionNumber> must also be present.

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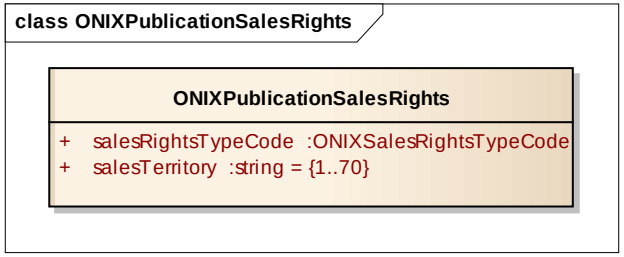

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationSalesRights				Identifies territorial sales rights a brand owner chooses to exercise in a product. When specifying a territory in which the product is not for sale, the publisher and product ID for an edition which is available in the specified territory can optionally be included.
Attribute	salesRightsTypeCode	ONIXSalesRightsTypeCode	1..1	Identifies the type of sales right or exclusion which applies in the territories which are associated with it. Mandatory in each occurrence of the <SalesRights> composite, and non-repeating. Values include: for sale with exclusive rights, for sale with non-exclusive rights, not for sale.
Attribute	salesTerritory	string	1..1	Identify a territory in which the rights specified in <SalesRightsType> are applicable. Mandatory in each occurrence of the <SalesRights> composite, and non-repeating.

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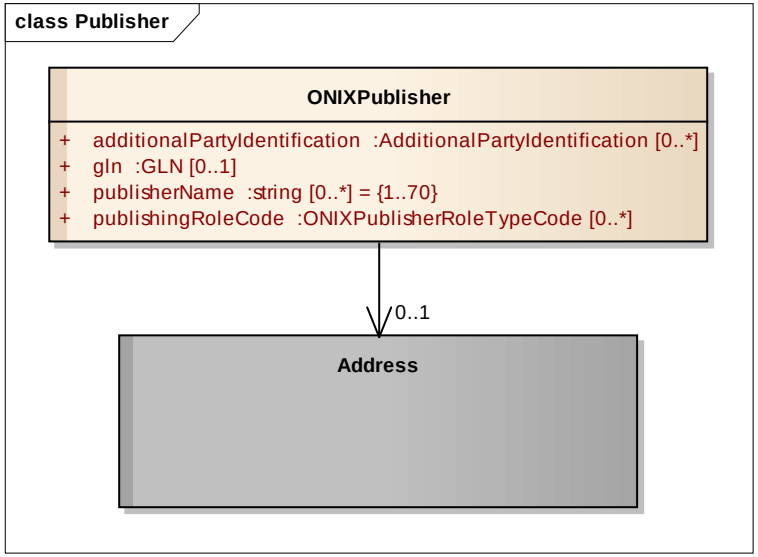

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublisher				A repeatable group of data elements which together identify an entity which is associated with the publishing of a product. The composite allows additional publishing roles to be introduced without adding new fields.
Association		Address	0..1	City and country information for a publisher.
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*	Identification of a party by use of a code other than the Global Location Number.
Attribute	gln	GLN	0..1	The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.
Attribute	publisherName	string	0..*	A name which identifies a proprietary identifier scheme (ie a scheme which is not a standard and for which there is no individual ID type code) when, and only when, the code in the <PublisherIDType> element indicates a proprietary scheme.
Attribute	publishingRoleCode	ONIXPublisherRoleTypeCode	0..*	Identifies a role played by an entity in the publishing of a product.

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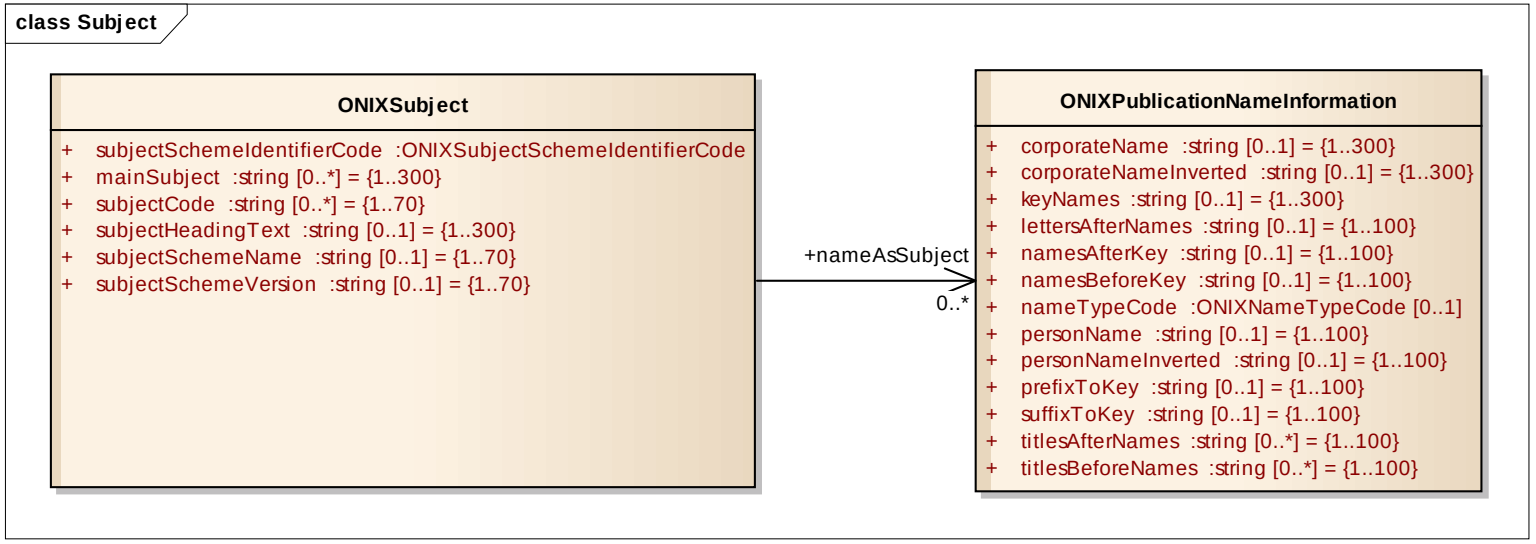

content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXPublicationNameInformation				Publication information for a contributor.
Attribute	corporateName	string	0..1	The name of a corporate body.
Attribute	corporateNameInverted	string	0..1	The inverted name of a corporate body
Attribute	keyNames	string	0..1	Part of a structured name of a person who contributed to the creation of the product: key name(s), i.e. the name elements normally used to open an entry in an alphabetical list, e.g. ‘Smith’ or ‘Garcia Marquez’ or ‘Madonna’ or ‘Francis de Sales’ (in Saint Francis de Sales).
Attribute	lettersAfterNames	string	0..1	Qualifications and honours following a person’s names, e.g. ‘CBE FRS’.
Attribute	namesAfterKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: name suffix, or name(s) following a person’s key name(s), e.g. ‘Ibrahim’ (in Anwar Ibrahim).

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	namesBeforeKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: name(s) and/or initial(s) preceding a person's key name(s), e.g. James J
Attribute	nameTypeCode	ONIXNameTypeCode	0..1	Indicates the type of the name
Attribute	personName	string	0..1	The name of a person who contributed to the creation of the product, unstructured, and presented in normal order.
Attribute	personNameInverted	string	0..1	The name of a person who contributed to the creation of the product, presented in inverted order, with the element used for alphabetical sorting placed first.
Attribute	prefixToKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: a prefix which precedes the key name(s) but which is not to be treated as part of the key name, e.g. 'van' in Ludwig van Beethoven. This element may also be used for titles that appear after given names and before key names, e.g. 'Lord' in Alfred, Lord Tennyson.
Attribute	suffixToKey	string	0..1	Part of a structured name of a person who contributed to the creation of the product: a suffix following a person's key name(s), e.g. 'Jr' or 'III'.
Attribute	titlesAfterNames	string	0..*	Part of a structured name of a person who contributed to the creation of the product: titles following a person's names, e.g. 'Duke of Edinburgh'.
Attribute	titlesBeforeNames	string	0..*	Part of a structured name of a person who contributed to the creation of the product: qualifications and/or titles preceding a person's names, e.g. 'Professor' or 'HRH Prince' or 'Saint'.
ONIXSubject				Specifies a subject classification or subject heading.
Association	nameAsSubject	ONIXPublicationNameInformation	0..*	Name as a subject
Attribute	subjectSchemeIdentifierCode	ONIXSubjectSchemeIdentifierCode	1..1	For category schemes that use code values, use the associated element to carry the value (if so required, the element can be used simultaneously to carry the text equivalent of the code). For schemes that use text headings, use the element to carry the text of the category heading.
Attribute	mainSubject	string	0..*	Main subject category for the product

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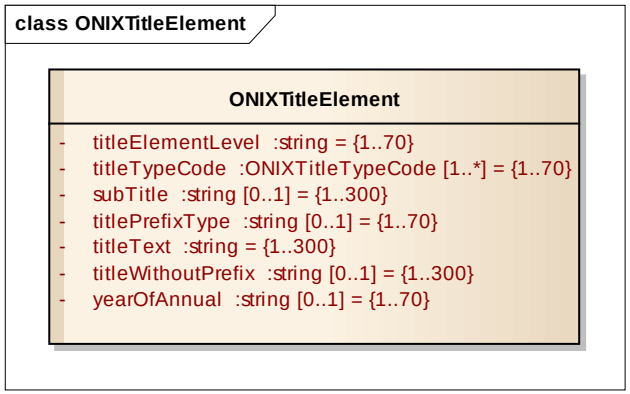
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	subjectCode	string	0..*	A subject class or category code from the scheme specified in the element. Either or both must be present in each occurrence of the composite.
Attribute	subjectHeadingText	string	0..1	The text of a subject heading taken from the scheme specified in the element, or of free language keywords if the scheme is specified as 'keywords'; or the text equivalent to the value, if both code and text are sent. Either or both must be present in each occurrence of the composite.
Attribute	subjectSchemeName	string	0..1	A name identifying a proprietary subject scheme (i.e. a scheme which is not a standard and for which there is no individual identifier code) when is coded '24'.
Attribute	subjectSchemeVersion	string	0..1	A number which identifies a version or edition of the subject scheme specified in the associated element.



content	attribute / role	datatype /secondary class	multiplicity	definition
ONIXTitleElement				A repeatable group of data elements which together represent an element of a collection title. At least one title element is mandatory in each occurrence of the <TitleDetail> composite. An instance of the <TitleElement> composite must include at least one of: <PartNumber>; <YearOfAnnual>; <TitleText>; or <TitlePrefix> together with <TitleWithoutPrefix>. In other words it must carry either the text of a title element or a part or year designation; and it may carry both.

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				A title element must be designated as belonging to product level, collection level, or subcollection level (the first of these may not occur in a title element representing a collective identity, and the last-named may only in the case of a multi-level collection).
Attribute	subTitle	string	0..1	The text of a subtitle, if any. 'Subtitle' means any added words which appear with the title element given in an occurrence of the <TitleElement> composite, and which amplify and explain the title element, but which are not considered to be part of the title element itself.
Attribute	titleElementLevel	string	1..1	Code indicating the level of a title element: collection level, subcollection level, or product level. Mandatory in each occurrence of the <TitleElement> composite.
Attribute	titlePrefixType	string	0..1	Text at the beginning of a title element which is to be ignored for alphabetical sorting. Optional and non-repeating; can only be used if the <TitleWithoutPrefix> element is also present. These two elements may be used in combination in applications where it is necessary to distinguish an initial word or character string which is to be ignored for filing purposes, eg in library systems and in some bookshop databases.
Attribute	titleText	string	1..1	The text of a title element, excluding any subtitle. Optional and non-repeating.
Attribute	titleTypeCode	ONIXTitleTypeCode	1..*	Indicates the type of a title.
Attribute	titleWithoutPrefix	string	0..1	The text of a title element without the title prefix; and excluding any subtitle. Optional and non-repeating; can only be used if the <TitlePrefix> element is also present.
Attribute	yearOfAnnual	string	0..1	When the year of an annual is part of a title, this field should be used to carry the year (or, if required, a spread of years such as 2009-2010). Optional and non-repeating.

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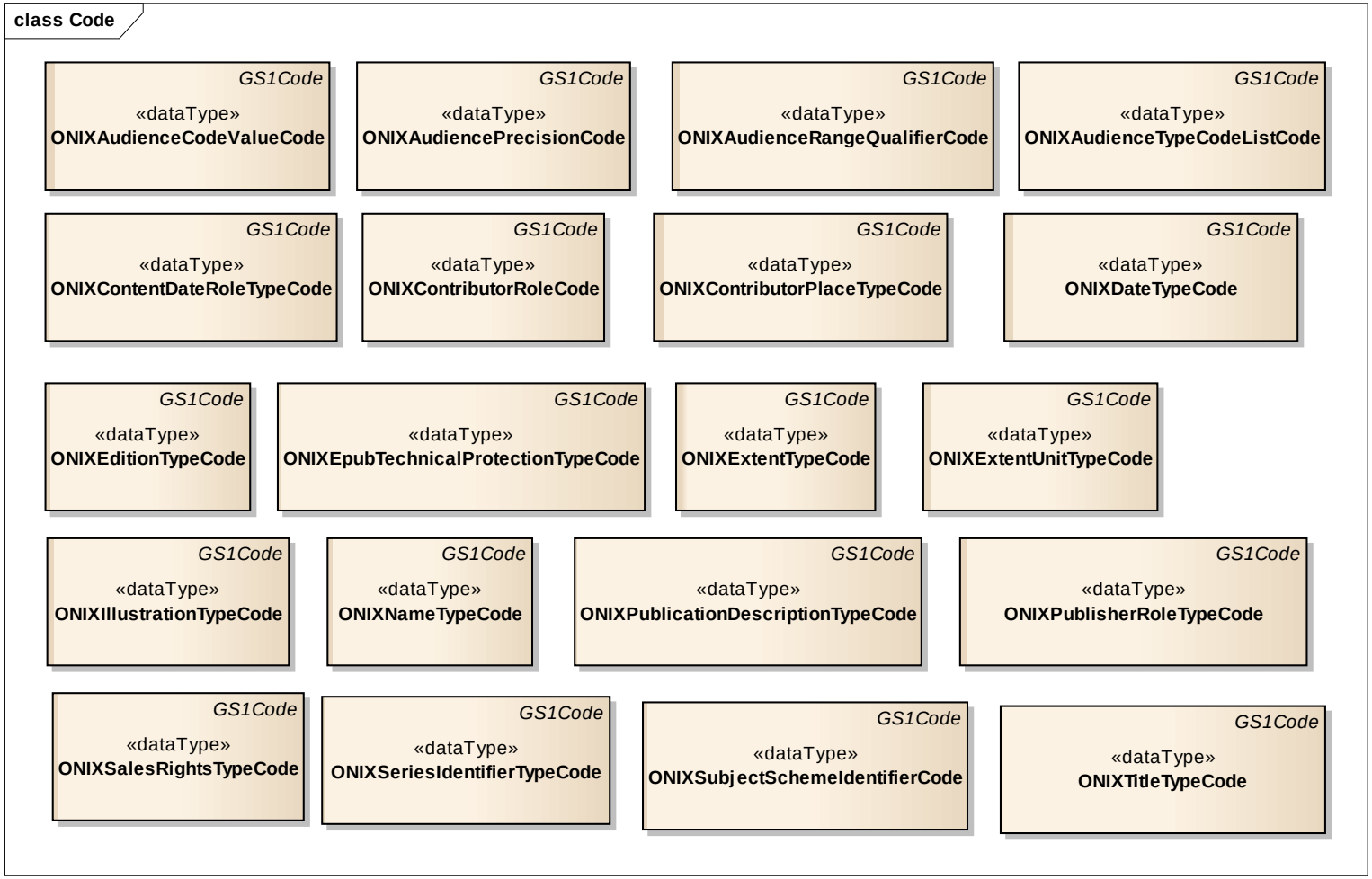

Note: Common class (in grey) is located in the Shared Common and GDSN Common Libraries.

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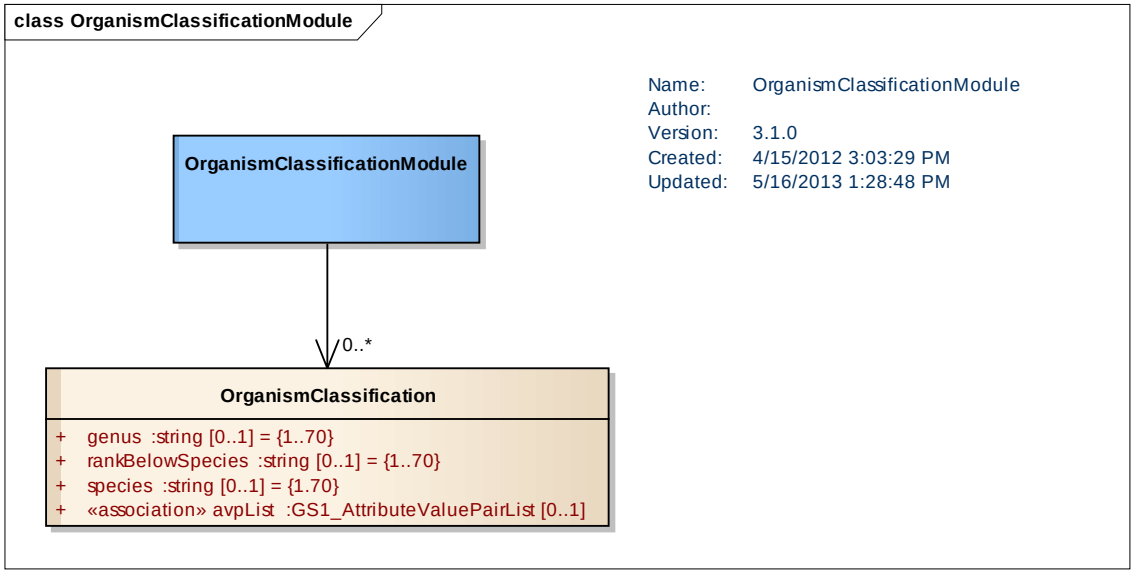
5.36. Organism Classification Module



content	attribute / role	datatype /secondary class	multiplicity	definition
OrganismClassification				Hierarchical system for grouping and naming types of living organisms.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	genus	string	0..1	A taxonomic category ranking below a family and above a species and generally consisting of a group of species exhibiting similar characteristics. In taxonomic nomenclature the genus name is used, either alone or followed by a Latin adjective or epithet, to form the name of a species.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	rankBelowSpecies	string	0..1	Either the Sub-Species, Variety, Sub-Variety, Form, and/or Sub-Form of an organism. All are taxonomic rank below that of species. • A Sub-Species is a taxonomic rank subordinate to species. • A Variety will have an appearance distinct from other varieties, but will hybridize freely with other varieties of the same species (if brought into contact). Usually varieties will be geographically separate from each other. • A Sub-Variety is a subordinate variety, or a division of a variety. A Form usually designates a group with a noticeable but minor deviation. For instance, white-flowered forms of species that usually have coloured flowers can be named a ""f. alba"". It is recommended to place an Abbreviation at the beginning of the text to clarify to what type the text belongs. The recommended abbreviations are: • subspecies (Abbreviation not required for Animals) -– subsp or ssp • varietas (variety) -– var • subvarietas (sub-variety) -– subvar • forma (form) -– form or f • subforma (sub-forma) -– subf
Attribute	species	string	0..1	A fundamental category of taxonomic classification, ranking below a genus and consisting of related organisms capable of interbreeding. An organism belonging to such a category, represented in binomial nomenclature by a lower case Latin adjective or noun following a capitalized genus name, as in Ananas comosus, the pineapple, and Equus caballus, the horse.
OrganismClassificationModule				Hierarchical system for grouping and naming types of living organisms.
Association		OrganismClassification	0..*	Hierarchical system for grouping and naming types of living organisms.

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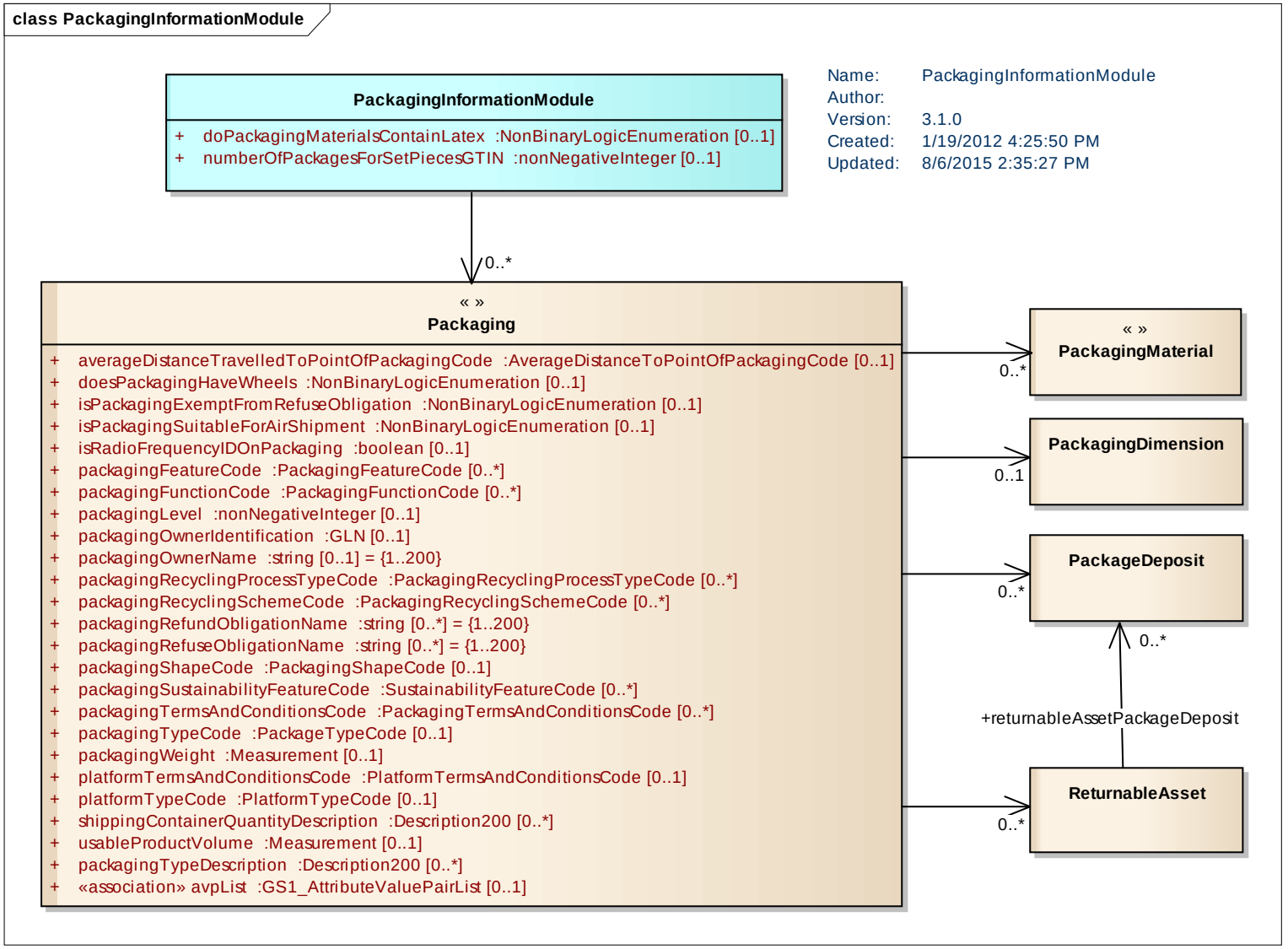
5.37. Packaging Information Module



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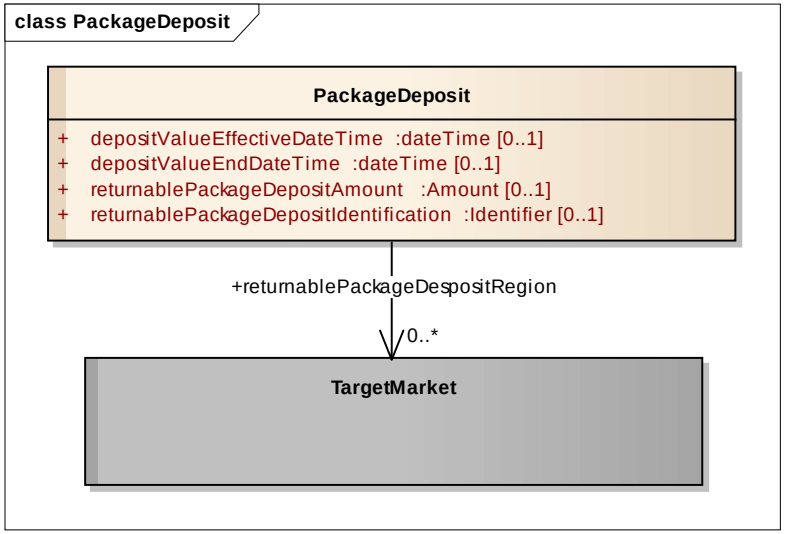

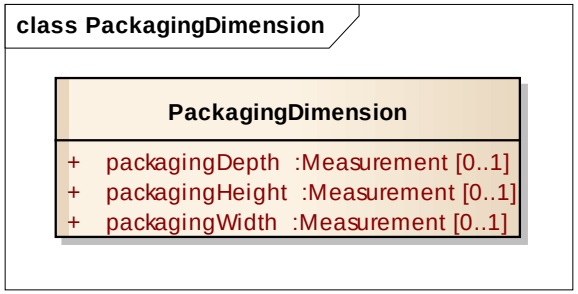

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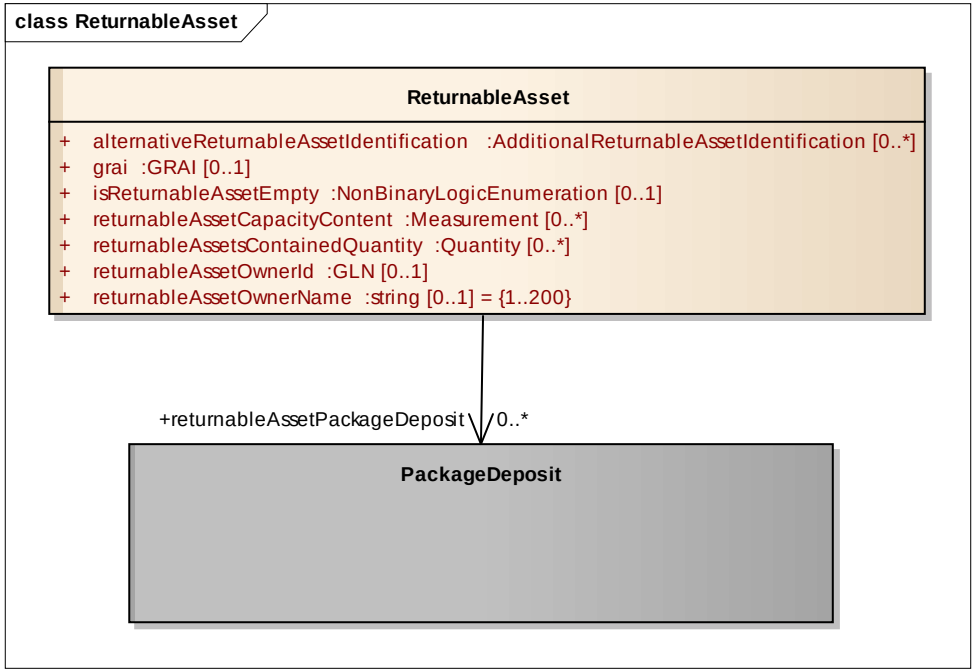

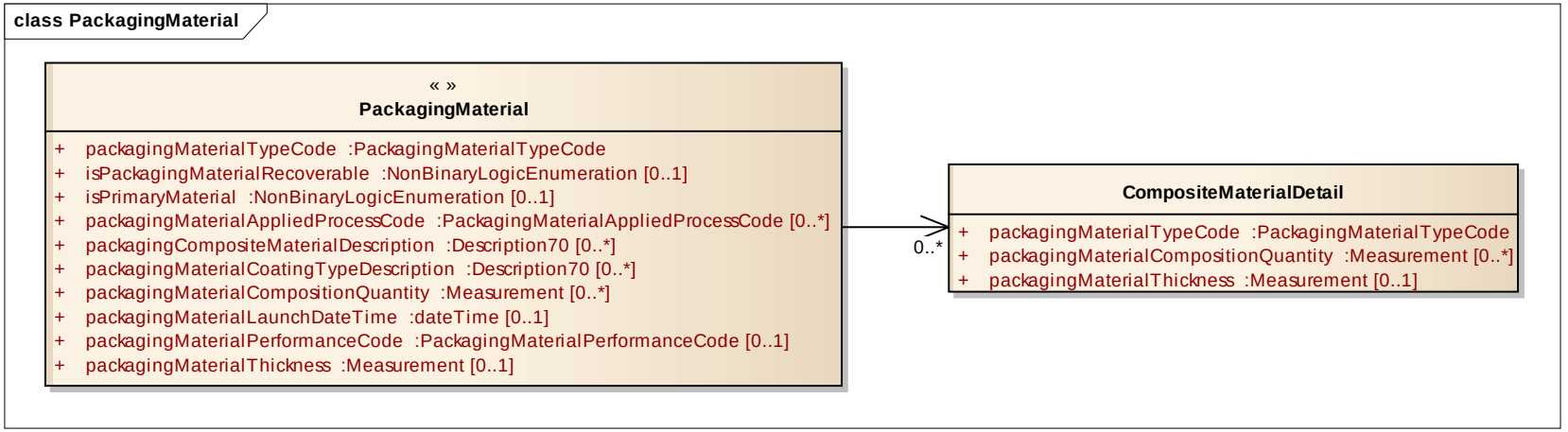

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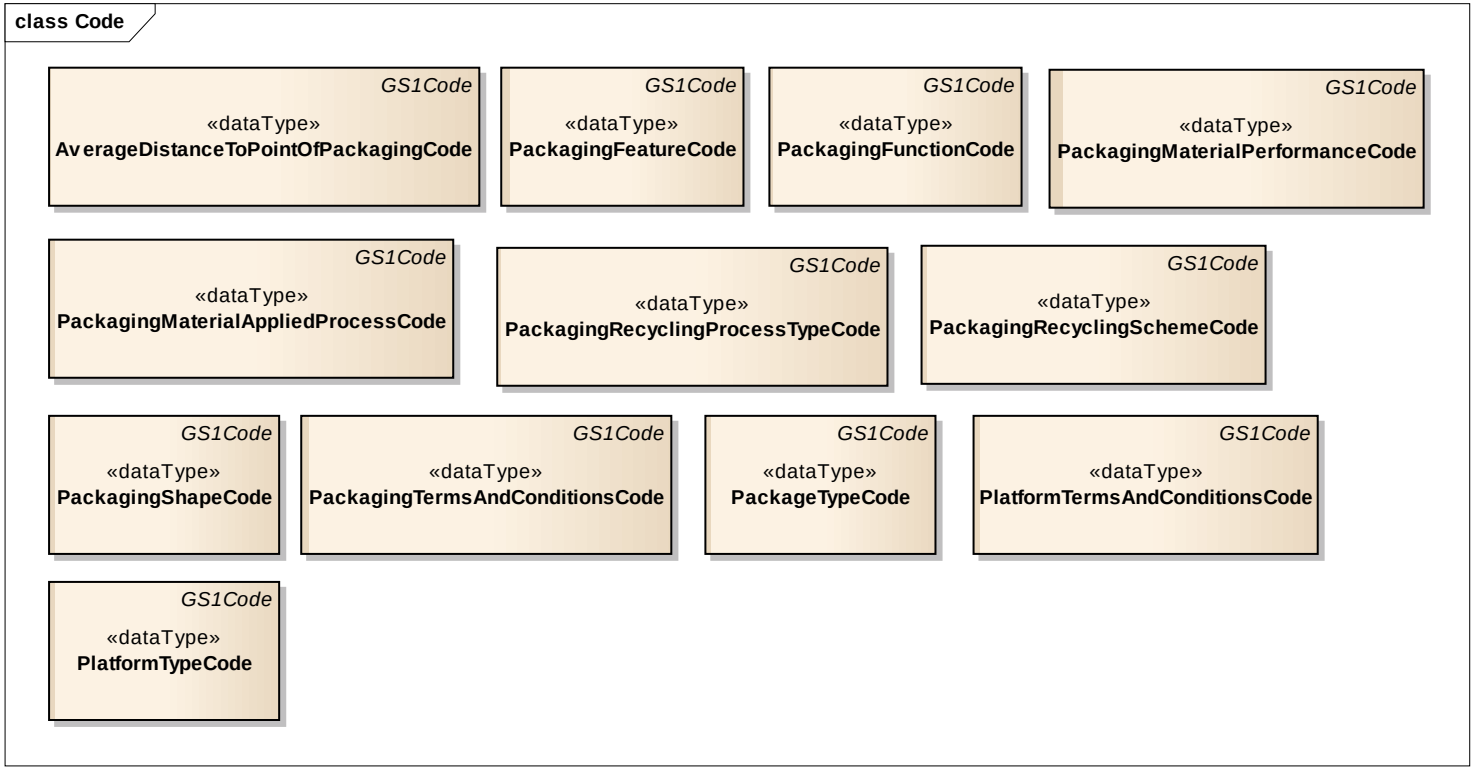

content	attribute / role	datatype /secondary class	multiplicity	definition
PackagingInformationModule				Packaging information for a trade item.
Association		Packaging	0..*	Packaging information for a trade item.
Attribute	doPackagingMaterialsContainLatex	NonBinaryLogicEnumeration	0..1	Identifies if any of the trade item's packaging contains latex.
Attribute	numberOfPackagesForSetPiecesGTIN	nonNegativeInteger	0..1	The total number of separately packaged components comprising a single trade item.
Packaging				Details on packaging for a trade item.
Association		packagingDimension	0..1	Details on the dimensions of a packaging.
Association		PackageDeposit	0..*	Deposit information for packaging.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		PackagingMaterial	0..*	Details on packaging material for a trade item's packaging.
Association		ReturnableAsset	0..*	Returnable asset information for a trade item's packaging.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	averageDistanceTravelledToPointOfPackagingCode	AverageDistanceToPointOfPackagingCode	0..1	The average distance each packaging material travelled from the packaging material supplier to the point where the product and packaging are combined to form the trade item.
Attribute	doesPackagingHaveWheels	NonBinaryLogicEnumeration	0..1	Indicates if packaging has wheels to facilitate its transportation. Wheels can be permanently fixed or could be detachable. This could apply to a number of packaging types such as trays, cages, boxes, etc.
Attribute	isPackagingExemptFromRefuseObligation	NonBinaryLogicEnumeration	0..1	An indication for the packaging of this item that there exists an exemption from refuse (disposal) obligations.
Attribute	isPackagingSuitableForAirShipment	NonBinaryLogicEnumeration	0..1	Determines whether or not the packaging is suitable for air shipment for passenger or cargo for example has it been air pressure tested.
Attribute	isRadioFrequencyIDOnPackaging	boolean	0..1	Indicates that the packaging of the trade item is tagged with a Radio Frequency ID.
Attribute	packagingFeatureCode	PackagingFeatureCode	0..*	A packaging feature thatfacilitates the usage of the product by the consumer. Features do not affect the core composition of the packaging type nor modify its usage.
Attribute	packagingFunctionCode	PackagingFunctionCode	0..*	A code that is used to identify specific functionality for packaging resulting from specific processes or features present in the packaging type. These additional functionalities are not dependant on the packaging type and maybe applied to multiple different types.
Attribute	packagingLevel	nonNegativeInteger	0..1	Identifies the hierarchical level of the packaging element, i.e. primary, secondary or tertiary. For example: a bottle in a cardboard box displayed on a shelf. The primary hierarchical level is the bottle (plastic or glass), the secondary level would be the box (cardboard), and the tertiary level would be the film around the pallet.
Attribute	packagingOwnerIdentification	GLN	0..1	The GLN of the owner of the packaging.
Attribute	packagingOwnerName	string	0..1	The name of the owner of the packaging.
Attribute	packagingRecyclingPr	PackagingRecycling	0..*	The process the packaging could undertake for recyclable &

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content	attribute / role	datatype /secondary class	multiplicity	definition
	ocessTypeCode	ProcessTypeCode		sustainability programs. Examples COMPOSTABLE, ENERGY_RECOVERABLE, REUSABLE.
Attribute	packagingRecyclingSchemeCode	PackagingRecyclingSchemeCode	0..*	A code determining the recycling scheme the packaging of this trade item will fall within when recycled. Applies to recyclable packaging with or without deposit.
Attribute	packagingRefundObligationName	string	0..*	The refund obligation that the packaging of this item is subject to for example the DPG = Deutsche Pfandsystem GmbH which is a refund obligation for one way beverage packaging for beer, sparkling soft drinks and mineral water.
Attribute	packagingRefuseObligationName	string	0..*	The name of the specific refuse obligation that may apply to packaging or that the packaging may be exempt from for example ARA.
Attribute	packagingShapeCode	PackagingShapeCode	0..1	A code depicting the shape of a package for example cone.
Atttribute	packagingSustainabilityFeatureCode	SustainabilityFeatureCode	0..*	A feature of the packaging that contributes to sustainability initiatives for example that it is made from renewable materials.
Attribute	packagingTermsAndConditionsCode	PackagingTermsAndConditionsCode	0..*	Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable.
Attribute	packagingTypeCode	PackageTypeCode	0..1	The dominant means used to transport, store, handle or display the trade item as defined by the data source. This packaging is not used to describe any manufacturing process. Data recipients can use this data for: • Space Planning • Data Accuracy (Tolerances) • Supply Chain processes • Recycling process (In combination with packaging materials) • Product buying/procurement decisions • Tax calculations/fees/duties calculation
Attribute	packagingTypeDescription	Description200	0..*	System generated text description of the type of packaging used for the trade item.
Attribute	packagingWeight	Measurement	0..1	Used to identify the measurement of the packaging weight of the trade item
Attribute	platformTermsAndConditionsCode	platformTermsAndConditionsCode	0..1	Indicates if the platform in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not

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content	attribute / role	datatype /secondary class	multiplicity	definition
				reusable).
Attribute	platformTypeCode	PlatformTypeCode	0..1	Indicates whether the described despatch unit is delivered on a pallet/platform and on which type of platform. If the despatch unit is delivered on a platform, the platform type must be given here. The range of the platform types/codes is listed in code sets.
Attribute	shippingContainerQuantityDescription	Description200	0..*	The quantity of the contents of the shipping container as described on the outside of the shipping container, for example 100 .5 oz envelopes.
Attribute	usableProductVolume	Measurement	0..1	The cubic space occupied by the product excluding the packaging. This is measured as the smallest theoretical space the product will fit into. For example: Liquid - a 12 fluid ounce soda has a product volume of 12 fluid ounces or 21.7 cubic inches within the can. Solids by count- a 50ct bottle of tablets (where 1000 tablets requires 1000 cubic centimetre has a product volume of 50 cubic centimetres or 3.1cubic inches, Solids by weight-a 5kg bag of sugar (with a bulk density of .849 g/cubic centimetres has a product volume of 5.889 cubic centimetres or 359.4 cubic inches.
CompositeMaterialDetail				Details on the materials that make up a composite material.
Attribute	packagingMaterialTypeCode	PackagingMaterialTypeCode	1..1	The materials used for the packaging of the trade item for example glass or plastic. This material information can be used by data recipients for: o Tax calculations/fees/duties calculation o Carbon footprint calculations/estimations (resource optimisation) o to determine the material used.
Attribute	packagingMaterialCompositionQuantity	Measurement	0..*	The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country.
Attribute	packagingMaterialThickness	Measurement	0..1	The thickness of a packaging material.
PackagingMaterial				Information on any material used for packaging.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		CompositeMaterialDetail	0..*	Details on the materials that make up a composite material.
Attribute	packagingMaterialTypeCode	PackagingMaterialTypeCode	1..1	The materials used for the packaging of the trade item for example glass or plastic. This material information can be used by data recipients for: o Tax calculations/fees/duties calculation o Carbon footprint calculations/estimations (resource optimisation) o to determine the material used.
Attribute	isPackagingMaterialRecoverable	NonBinaryLogicEnumeration	0..1	Determines whether packaging material is recoverable. Recoverable materials are those which are capable of beingreused or returned to use in the form of raw materials
Attribute	isPrimaryMaterial	NonBinaryLogicEnumeration	0..1	Specifies the primary or majority material in a composite material used for packaging.
Attribute	packagingMaterialAppliedProcessCode	PackagingMaterialAppliedProcessCode	0..*	The processes applied to the material or used in the manufacturing of the material to modify/enhance its properties.
Attribute	packagingCompositeMaterialDescription	Description70	0..*	A description of any composite material used in packaging. A composite material is a combination of different material.
Attribute	packagingMaterialCoatingTypeDescription	Description70	0..*	Specifies any coating material that is applied to the packaging material.
Attribute	packagingMaterialCompositionQuantity	Measurement	0..*	The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country.
Attribute	packagingMaterialLaunchDateTime	dateTime	0..1	The first date that a change in packaging material has occurred. This change does not result in a new GTIN at any level of the item hierarchy, such as, an increase or decrease in packaging material and is delivered to the retailer.
Attribute	packagingMaterialPerformanceCode	PackagingMaterialPerformanceCode	0..1	A status of packaging performance based on testing to minimize damage to Trade Items for example 3 (improved packaging performance).
Attribute	packagingMaterialThickness	Measurement	0..1	The thickness of a packaging material.
PackageDeposit				Deposit information for a package.
Association	returnablePackageDepositRegion	TargetMarket	0..*	The geographic region associated with the returnable package deposit amount.
Attribute	depositValueEffective	dateTime	0..1	First date that the deposit value is valid for the deposit code.

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content	attribute / role	datatype /secondary class	multiplicity	definition
	DateTime			
Attribute	depositValueEndDateTime	dateTime	0..1	Last date that the deposit value in the currency is valid for the deposit code.
Attribute	returnablePackageDepositAmount	Amount	0..1	The monetary amount for the individual returnable package.
Attribute	returnablePackageDepositIdentification	Identifier	0..1	In some markets the deposit information is specified by a GTIN giving the type of returnable package on which a deposit is charged. Each deposit code is associated with an amount specified elsewhere. The enumeration list is maintained externally.
PackagingDimension				Details on the dimensions of a packaging.
Attribute	packagingDepth	Measurement	0..1	The depth of packaging as measured according to the GS1 Package Measurement Rules.
Attribute	packagingHeight	Measurement	0..1	The height of packaging as measured according to the GS1 Package Measurement Rules.
Attribute	packagingWidth	Measurement	0..1	The width of packaging as measured according to the GS1 Package Measurement Rules.
ReturnableAsset				Returnable asset information for a package.
Association	returnableAssetPackageDeposit	PackageDeposit	0..*	Package deposit information for a package.
Attribute	alternativeReturnableAssetIdentification	AdditionalReturnableAssetIdentification	0..*	An additional returnable asset identification type. Allowed code values are specified in GS1 Code List AdditionalReturnableAssetIdentificationTypeCode.
Attribute	grai	GRAI	0..1	The GS1 Identification Key used to identify Returnable Assets. The key comprises a GS1 Company Prefix, Asset Type, Check Digit, and optional serial number.
Attribute	isReturnableAssetEmpty	NonBinaryLogicEnumeration	0..1	Determines whether the returnable asset is empty.
Attribute	returnableAssetCapacityContent	Measurement	0..*	A measurement of the potential capacity of a returnable asset for example how many bottles can fit into a crate. This is not the content for the full packaging but rather how much the packaging can contain.
Attribute	returnableAssetsContainedQuantity	Quantity	0..*	The number of returnable assets contained that are allocated to the full returnable item identified by the GTIN of the returnable asset. An example would be 6 bottles of beer in a

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content	attribute / role	datatype /secondary class	multiplicity	definition
				six pack (Trade Item).
Attribute	returnableAssetOwnerId	GLN	0..1	The GLN of the owner of a returnable asset.
Attribute	returnableAssetOwnerName	string	0..1	The name of the owner of a returnable asset.

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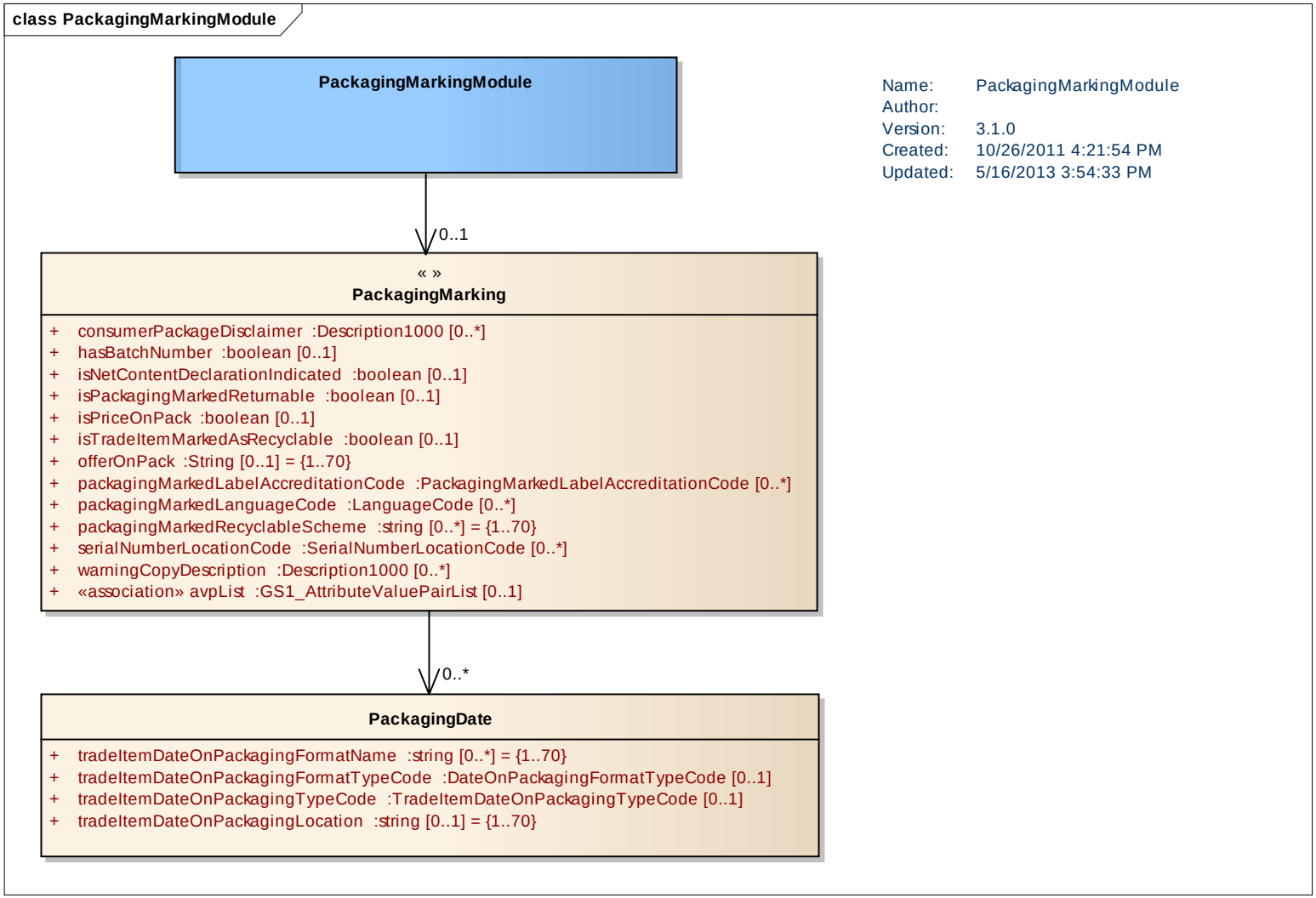
5.38. Packaging Marking Module



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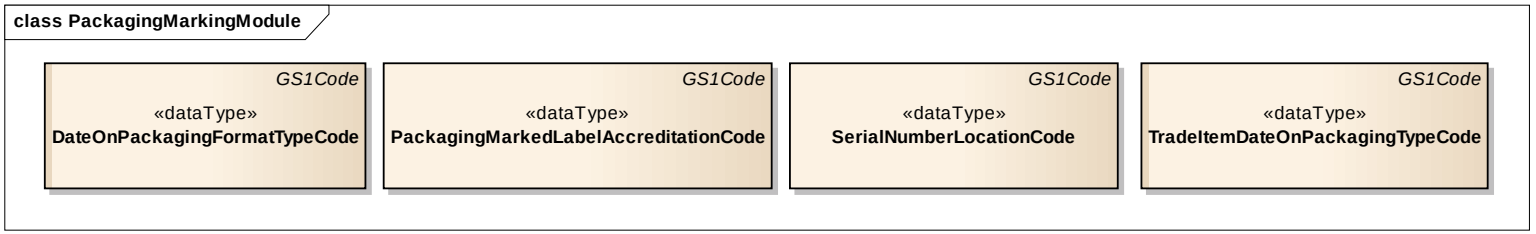

content	attribute / role	datatype /secondary class	multiplicity	definition
PackagingDate				Details on date markings on the packaging of the trade item.
Attribute	tradeItemDateOnPackagingFormatName	string	0..*	The format that the date is printed on the package for example YYYY: year, YY: year in century, MM: month number, MMM: month short name, DD: day of month, D: day of week (Monday=1), ' '-: space and hyphen.
Attribute	tradeItemDateOnPackagingFormatTypeCode	DateOnPackagingFormatTypeCode	0..1	A category of date formats for example calendar or ordinal date.
Attribute	tradeItemDateOnPackagingTypeCode	TradeItemDateOnPackagingTypeCode	0..1	Indicates the type of date marked on the packaging for example Best Before Date.
Attribute	tradeItemDateOnPackagingLocation	string	0..1	Free text detailing the location of the date marking on the packaging.
PackagingMarkingModule				A module containing details on markings on the packaging of the trade item for example dates, environment.
		PackagingMarking	0..1	Details on markings on the packaging of the trade item for example dates, environment.
PackagingMarking				Details on markings on the packaging of the trade item for example dates, environment.
Association		PackagingDate	0..*	Details on date markings on the packaging of the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	consumerPackageDisclaimer	Description1000	0..*	Additional information that should be used in advertising and in displaying.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	hasBatchNumber	boolean	0..1	Indication whether the base trade item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or not batch or lot number allocated. A batch or lot number is a manufacturer assigned code used to identify a trade item's trade item on batch or lot. Differs from Serial Number which is a manufacturer assigned code during the trade item on cycle to identify a unique trade item.
Attribute	isNetContentDeclarationIndicated	boolean	0..1	This field is used to facilitate local business rules where a declaration of a trade item's net content is not on the product label e.g.UK under 50g.legislation.
Attribute	isPackagingMarkedReturnable	boolean	0..1	Trade item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned. Attribute applies to returnable packaging with or without deposit.
Attribute	isPriceOnPack	boolean	0..1	Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider.
Attribute	isTradeItemMarkedAsRecyclable	boolean	0..1	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.
Attribute	offerOnPack	string	0..1	Contains details of any on pack product offer (consumer or traded).
Attribute	packagingMarkedLabelAccreditationCode	PackagingMarkedLabelAccreditationCode	0..*	A marking that the trade item received recognition, endorsement, certification by following guidelines by the label issuing agency. This does not represent claims for regulatory purposes on products such as free from markings.
Attribute	packagingMarkedLanguageCode	LanguageCode	0..*	The language in which text on the packaging is stated.
Attribute	packagingMarkedRecyclableScheme	string	0..*	The package of this GTIN is marked to indicate under which scheme it is recyclable. Applies to recyclable packaging with or without deposit. Examples: Aluminium can be marked as recyclable.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	serialNumberLocationCode	SerialNumberLocationCode	0..*	The location on the item or packaging of a serial number. A serial number is a code, numeric or alphanumeric, assigned to an individual instance of an entity for its lifetime for example a Microscope model AC-2 with serial number 1234568 and microscope model AC-2 with serial number 1234569.
Attribute	warningCopyDescription	Description1000	0..*	Warning information is additional information that outlines special requirements, warning and caution information printed on the package.

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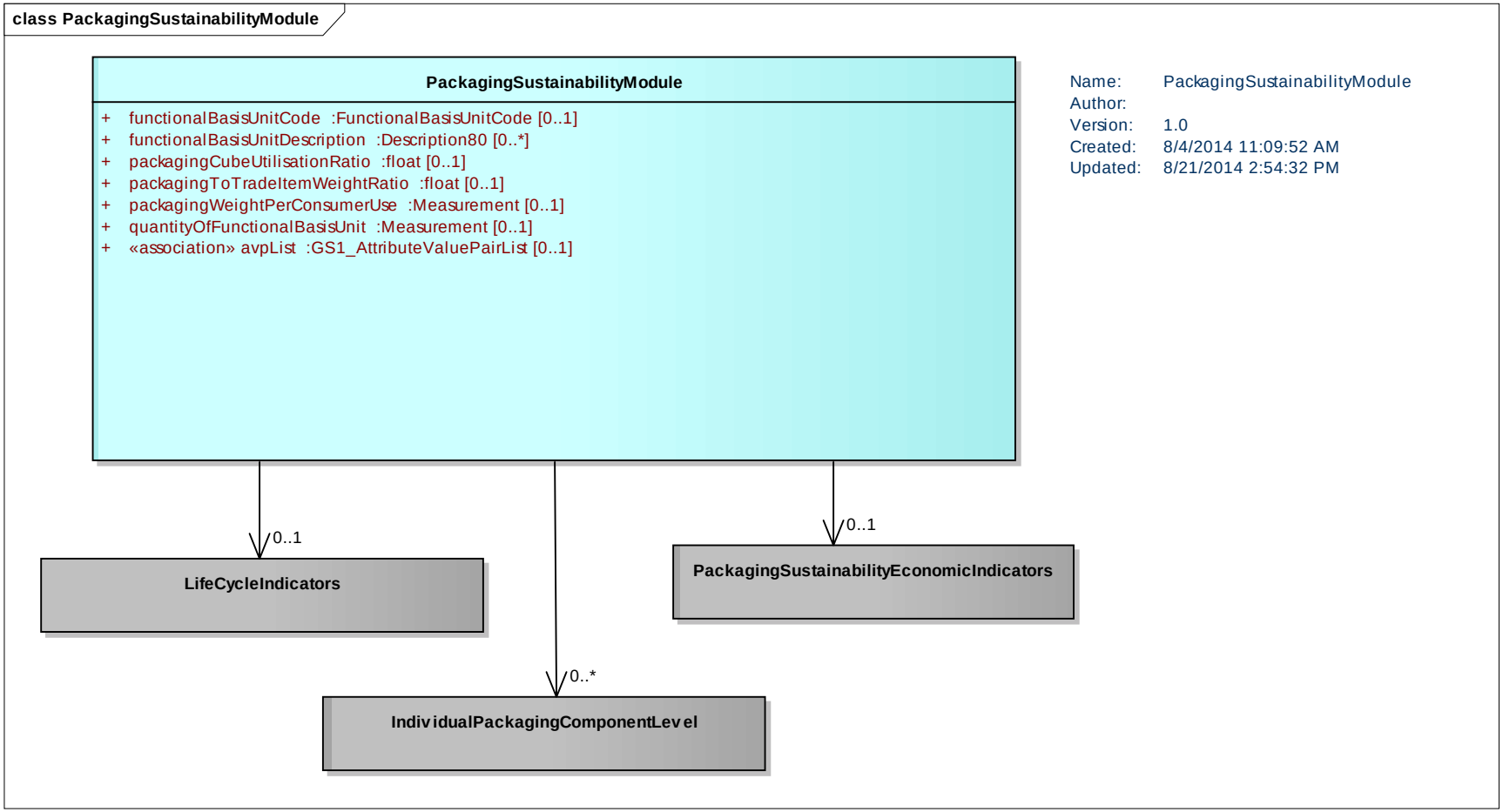
5.39. Packaging Sustainability Module



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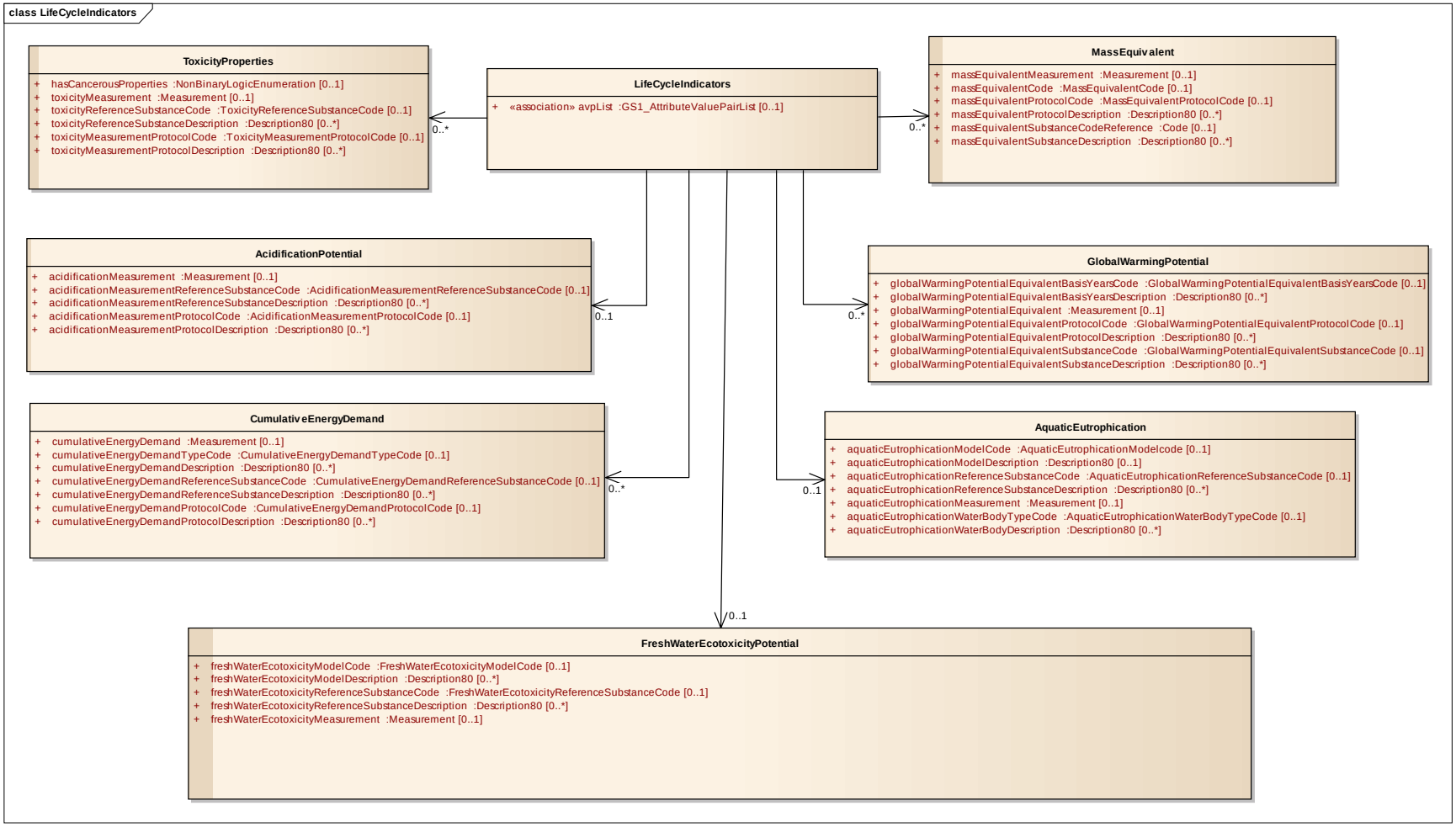

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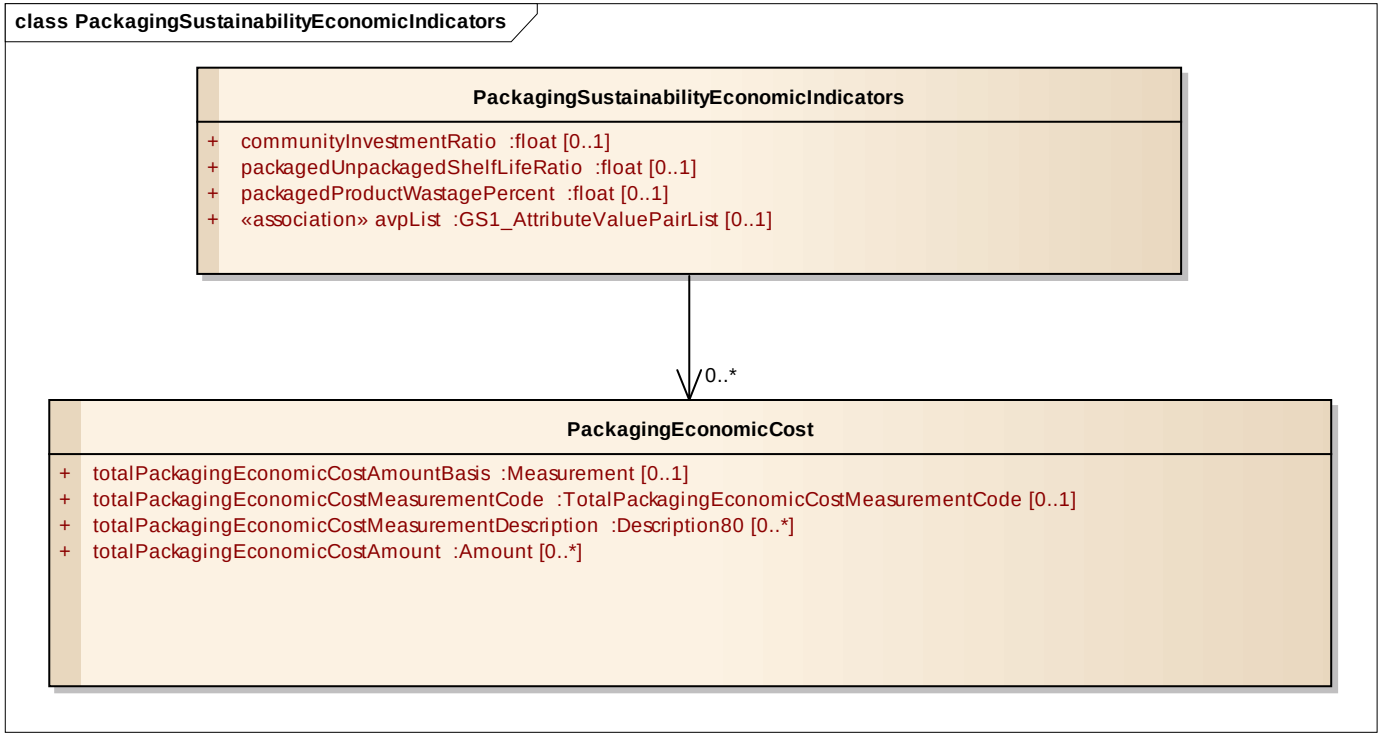

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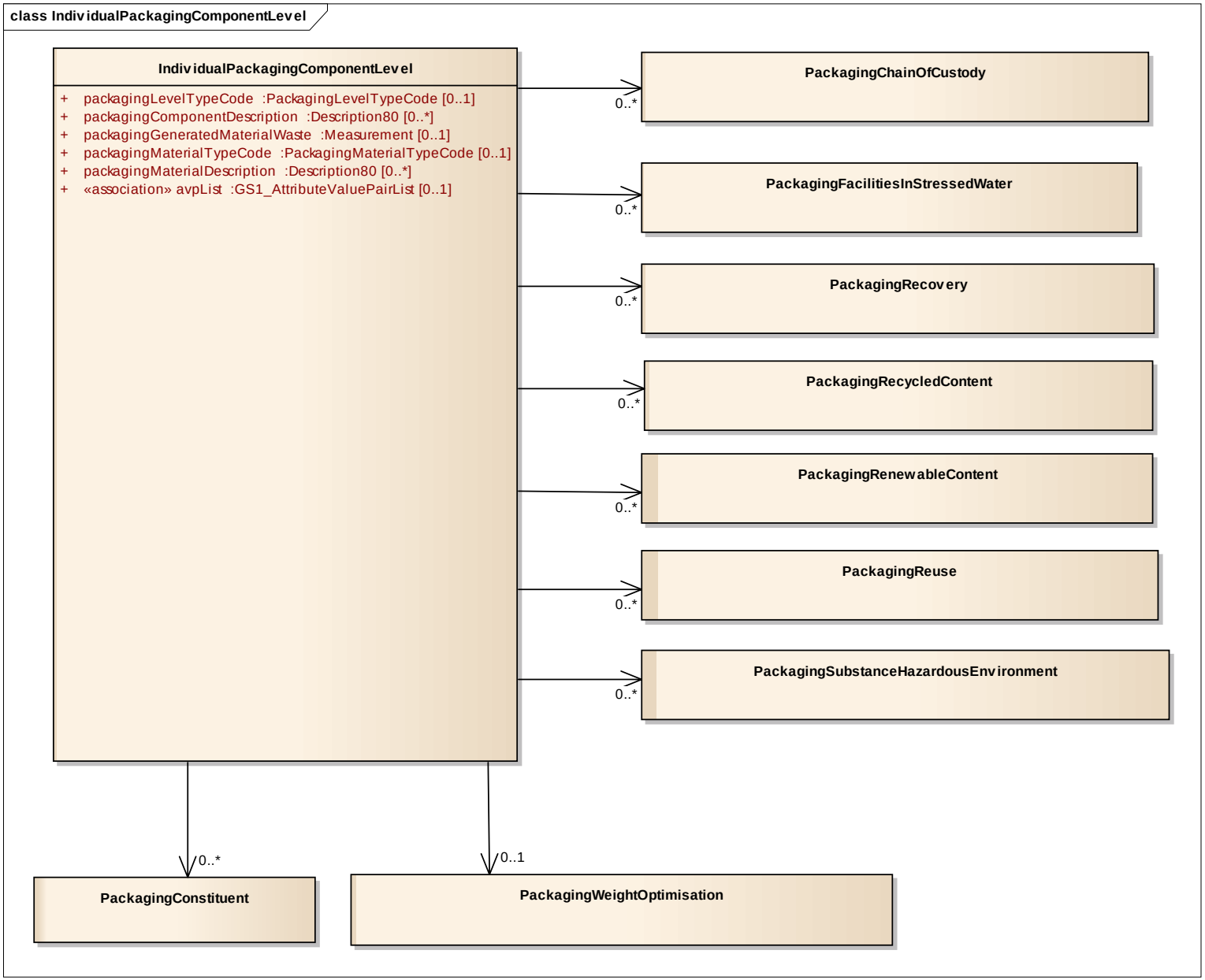

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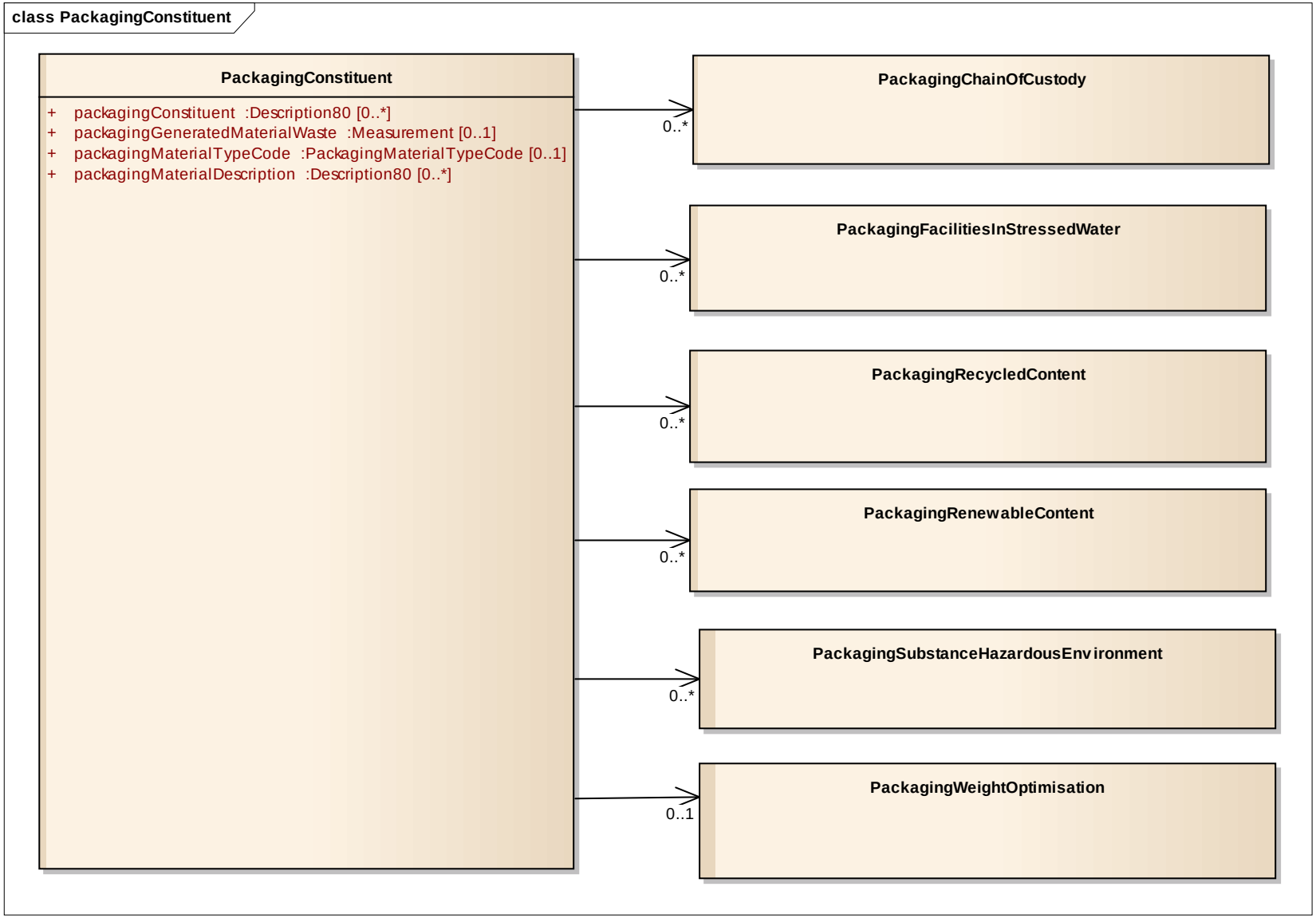

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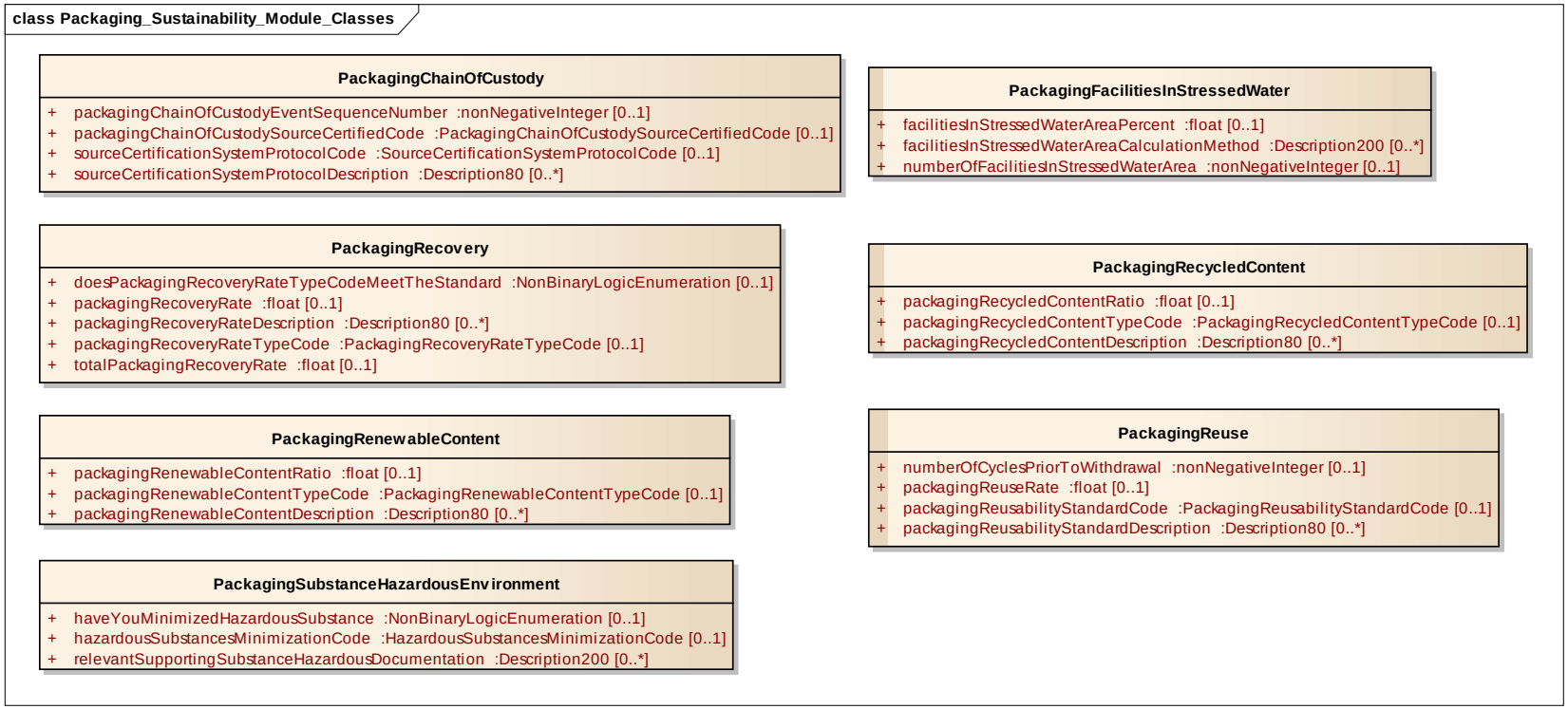

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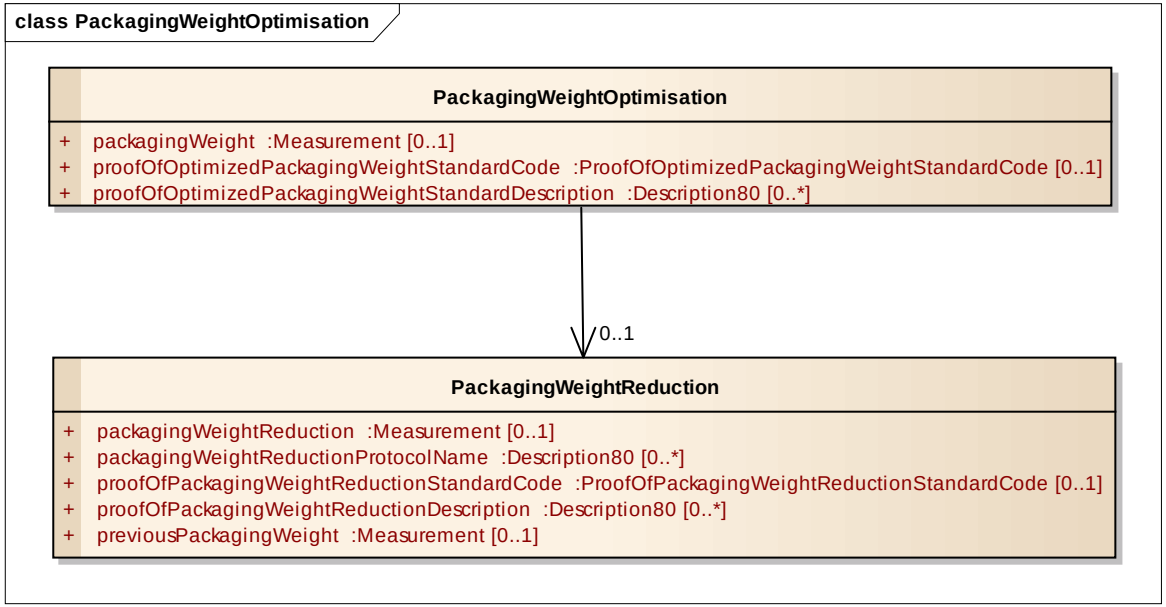

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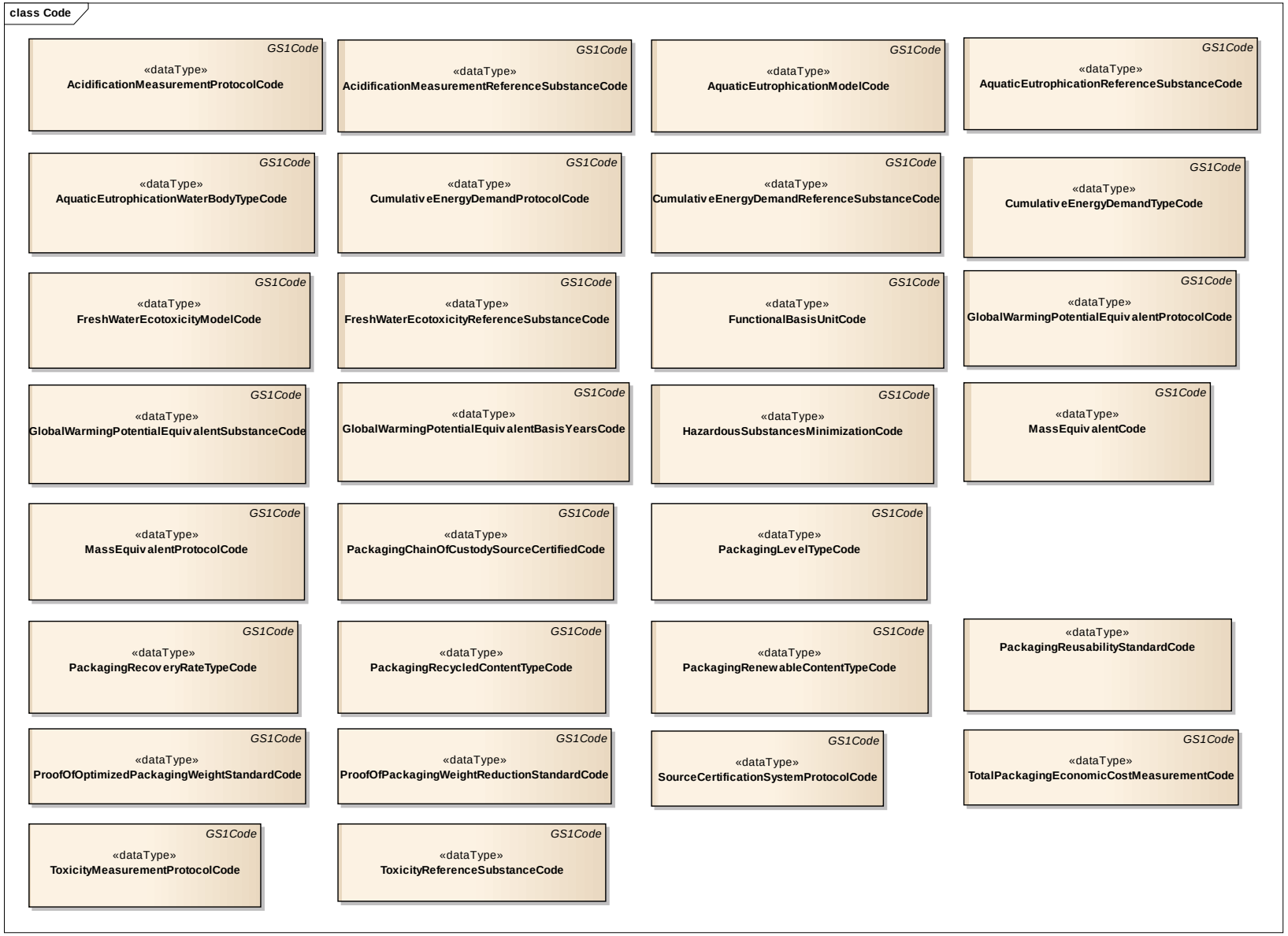

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content	attribute / role	datatype /secondary class	multiplicity	definition
AcidificationPotential				Acidification Potential is the potential of a chemical emission to acidify ecosystems. Emissions of acidifying substances strongly depend on industrial practice and environmental legislation.
attribute	acidificationMeasurement	Measurement	0..1	The measurement of acidification potential.
attribute	acidificationMeasurementReferenceSubstanceCode	AcidificationMeasurementReferenceSubstanceCode	0..1	The reference substance used to represent the potential to acidify ecosystems.
attribute	acidificationMeasurementReferenceSubstanceDescription	Description80	0..*	The reference substance description used to represent the potential to acidify ecosystems.
attribute	acidificationMeasurementProtocolCode	AcidificationMeasurementProtocolCode	0..1	The reference protocol used to represent the potential to acidify ecosystems.
attribute	acidificationMeasurementProtocolDescription	Description80	0..*	The reference protocol description used to represent the potential to acidify ecosystems.
AquaticEutrophication				Aquatic Eutrophication occurs when excessive amounts of nutrients reach freshwater systems or oceans. Algae bloom may result and fish may disappear. Whereas phosphorous is mainly responsible for eutrophication in freshwater systems, nitrogen is mainly responsible for eutrophication in ocean water bodies.
attribute	aquaticEutrophicationModelCode	AquaticEutrophicationModelcode	0..1	The model determining the degree of aquatic eutrophication
attribute	aquaticEutrophicationModelDescription	Description80	0..1	The model description determining the degree of aquatic eutrophication
attribute	aquaticEutrophicationReferenceSubstanceCode	AquaticEutrophicationReferenceSubstanceCode	0..1	The reference substance used to represent aquatic eutrophication potential.
attribute	aquaticEutrophicationReferenceSubstanceDescription	Description80	0..*	The reference substance used to represent aquatic eutrophication potential.
attribute	aquaticEutrophicationMeasurement	Measurement	0..1	The measurement of Aquatic Eutrophication per functional unit.
attribute	aquaticEutrophicationWaterBodyTypeCode	AquaticEutrophicationWaterBodyTypeCode	0..1	The type of water body that aquatic eutrophication is being measured for.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	aquaticEutrophicationWaterBodyDescription	Description80	0..*	The description of water body that aquatic eutrophication is being measured for.
CumulativeEnergyDemand				Provides the cumulative energy demand information details.
attribute	cumulativeEnergyDemand	Measurement	0..1	CED is a statement of the entire energy demand for a given product or service composed by a renewable part (CEDR) and a non-renewable part (CEDNR).
attribute	cumulativeEnergyDemandTypeCode	CumulativeEnergyDemandTypeCode	0..1	The type of cumulative energy demand that is being measured for.
attribute	cumulativeEnergyDemandDescription	Description80	0..*	The description of cumulative energy demand that is being measured for.
attribute	cumulativeEnergyDemandReferenceSubstanceCode	CumulativeEnergyDemandReferenceSubstanceCode	0..1	The reference substance used to represent cumulative energy demand.
attribute	cumulativeEnergyDemandReferenceSubstanceDescription	Description80	0..*	The reference substance description used to represent cumulative energy demand.
attribute	cumulativeEnergyDemandProtocolCode	CumulativeEnergyDemandProtocolCode	0..1	The reference protocol used to represent the potential to cumulative energy demand.
attribute	cumulativeEnergyDemandProtocolDescription	Description80	0..*	The reference protocol description used to represent the potential to cumulative energy demand.
FreshWaterEcotoxicityPotential				Provides the freshwater ecotoxicity potential information.
attribute	freshWaterEcotoxicityModelCode	FreshWaterEcotoxicityModelCode	0..1	The model used to determine freshwater ecotoxicity.
attribute	freshWaterEcotoxicityModelDescription	Description80	0..*	The model description used to determine freshwater ecotoxicity.
attribute	freshWaterEcotoxicityReferenceSubstanceCode	FreshWaterEcotoxicityReferenceSubstanceCode	0..1	The reference substance used to represent freshwater ecotoxicity.
attribute	freshWaterEcotoxicityReferenceSubstanceDescription	Description80	0..*	The reference substance description used to represent freshwater ecotoxicity.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	freshWaterEcotoxicityMeasurement	Measurement	0..1	The measurement of freshwater ecotoxicity according to the following formula: kg [chemical reference] eq / FU.
GlobalWarmingPotential				Provides the global warming potential information.
attribute	globalwarmingPotentialEquivalentBasisYearsCode	GlobalWarmingPotentialEquivalentBasisYearsCode	0..1	The time perspective over which global warming potential is considered (20, 100, 500 years). Use the characterization factors of the 4th assessment report of the Intergovernmental Panel on Climate Change (IPCC). A 100 year time perspective is recommended. The time perspective chosen should always be communicated together with the metric.
attribute	globalwarmingPotentialEquivalentBasisYearsDescription	Description80	0..*	The time perspective description over which global warming potential is considered. Use the characterization factors of the 4th assessment report of the Intergovernmental Panel on Climate Change (IPCC). A 100 year time perspective is recommended. The time perspective chosen should always be communicated together with the metric.
attribute	globalwarmingPotentialEquivalent	Measurement	0..1	The associated mass of CO2 equivalents associated with the Functional Unit.
attribute	globalwarmingPotentialEquivalentProtocolCode	GlobalWarmingPotentialEquivalentProtocolCode	0..1	The reference protocol used to represent the potential to global warming.
attribute	globalwarmingPotentialEquivalentProtocolDescription	Description80	0..*	The reference protocol description used to represent the potential to global warming.
attribute	globalwarmingPotentialEquivalentSubstanceCode	GlobalWarmingPotentialEquivalentSubstanceCode	0..1	The reference substance used to represent the potential to global warming.
attribute	globalwarmingPotentialEquivalentSubstanceDescription	Description80	0..*	The reference protocol description used to represent the potential to global warming.
IndividualPackagingComponentLevel				Provides the individual packaging components details.
Association		PackagingRecycledContent	0..*	Provides the recycled content information.
Association		PackagingChainOfCustody	0..*	Provides the chain of custody information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		PackagingFacilitiesInStressedWater	0..*	Provides the facilities in stress water information.
Association		Packaging Recovery	0..*	Provides the packaging recovery information
Association		Packaging Constituent	0..*	Provides the packaging constituent information.
Association		Packaging Reuse	0..*	Provides the packaging reuse information
Association		PackagingSubstanceHazardousEnvironment	0..*	Provides the substance hazardous environment information.
Association		Packaging WeightOptimisation	0..1	Provides the packaging weight optimisation information.
Association		Packaging Renewable Content	0..*	Provides the renewable content information
attribute	packagingLevelTypeCode	PackagingLevelTypeCode	0..1	Provides the packaging level.
attribute	packagingComponentDescription	Description 80	0..*	Part of packaging that can be separated by hand or by using simple physical means (EN 13427, ISO/DIS 18601), for example a packaging film.
attribute	packagingGeneratedMaterialWaste	Measurement	0..1	The mass of material waste generated during the production and transport of packaging materials, packaging constituents, packaging components or packaging systems destined to final disposal, i.e. landfill or incineration without heat recovery.
attribute	packagingMaterialTypeCode	Packaging MaterialTypeCode	0..1	A code that provides the packaging material.
attribute	packagingMaterialDescription	Description 80	0..*	A description of the packaging material.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
LifeCycleIndicators				Provides the environmental indicator information.
Association		GlobalWarmingPotential	0..*	Provides the global warming potential information.
Association		Acidification Potential	0..1	Provides the acidification potential information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		AquaticEutrophication	0..1	Provides the aquatic eutrophication information.
Association		MassEquivalent	0..*	Provides the mass equivalent information.
Association		ToxicityProperties	0..*	Provides the toxicity properties information.
Association		FreshWaterEcotoxicityPotential	0..1	Provides the freshwater ecotoxicity potential information.
Association		CumulativeEnergyDemand	0..*	Provides the cumulative energy demand information.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
MassEquivalent				Provides the mass equivalent information.
attribute	massEquivalentMeasurement	Measurement	0..1	The measurement for the mass equivalent code.
attribute	massEquivalentCode	MassEquivalentCode	0..1	The type of mass equivalent being measured.
attribute	massEquivalentProtocolCode	MassEquivalentProtocolCode	0..1	The protocol code related to the mass equivalent code. Based On MassEquivalentCode, use one of following: • Mass Equivalent Fresh Water Consumption Protocol Code • Mass Equivalent Ionizing Radiation Human Protocol Code • Mass Equivalent Land Use Protocol Code • Mass Equivalent Nonrenewable Resource Depletion Protocol Code • Mass Equivalent Ozone Depletion Protocol Code • Mass Equivalent Particulate Respiratory Effects Protocol Code • Mass Equivalent Photochemical Ozone Creation Potential Protocol Code.
attribute	massEquivalentProtocolDescription	Description80	0..*	The protocol description related to the mass equivalent code.
attribute	massEquivalentSubstanceCodeReference	Code	0..1	The substance code related to the mass equivalent code. Based On MassEquivalentCode, use one of following: • Mass Equivalent Fresh Water Consumption Substance Code • Mass Equivalent Ionizing Radiation Human Substance Code • Mass Equivalent Land Use Substance Code • Mass Equivalent Non Renewable Resource Depletion Substance Code • Mass Equivalent Ozone Depletion Reference Substance Code • Mass Equivalent Particulate Respiratory Effects Reference Substance Code.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	massEquivalentSubstanceDescription	Description 80	0..*	The substance description related to the mass equivalent code
PackagingChainOfCustody				Provides the packaging chain of custody information.
attribute	packagingChainOfCustodyEventSequenceNumber	nonNegativeInteger	0..1	The linked set of organizations, from point of harvest or extraction to point of purchase, that have held legal ownership or physical control of raw materials or recycled materials, used in packaging constituents, packaging components, or packaging systems.
attribute	packagingChainOfCustodySourceCertifiedCode	PackagingChainOfCustodySourceCertifiedCode	0..1	A code that determines whether the source has been certified.
attribute	sourceCertificationSystemProtocolCode	SourceCertificationSystemProtocolCode	0..1	Provides the organisation(s) identification that certifies the source. (e.g. Forest Stewardship Council, Sustainable Forestry Initiative, Programme for Endorsement of Forest Certification.)
attribute	sourceCertificationSystemProtocolDescription	Description 80	0..*	Provides the organisation(s) identification that certifies the source. (e.g. Forest Stewardship Council, Sustainable Forestry Initiative, Programme for Endorsement of Forest Certification.)
PackagingConstituent				Provides the packaging constituent information.
Association		PackagingSubstanceHazardousEnvironment	0..*	Provides the substance hazardous environment information.
Association		PackagingChainOfCustody	0..*	Provides the chain of custody information.
Association		PackagingRenewableContent	0..*	Provides the renewable content information
Association		PackagingRecycledContent	0..*	Provides the recycled content information.
Association		PackagingFacilitiesInStressedWater	0..*	Provides the facilities in stress water information.
Association		PackagingWeightOptimisation	0..1	Provides the packaging weight optimisation information.
attribute	packagingConstituent	Description 80	0..*	Provides the packaging constituent

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	packagingGeneratedMaterialWaste	Measurement	0..1	The mass of material waste generated during the production and transport of packaging materials, packaging constituents, packaging components or packaging systems destined to final disposal, i.e. landfill or incineration without heat recovery
attribute	packagingMaterialTypeCode	PackagingMaterialTypeCode	0..1	A code that provides the packaging material.
attribute	packagingMaterialDescription	Description80	0..*	A description of the packaging material.
PackagingEconomicCost				Provides the packaging economic cost information.
attribute	totalPackagingEconomicCostAmountBasis	Measurement	0..1	The basis amount or quantity used to determine the packaging costs for example 1 kg, 1000 units, 1 year
attribute	totalPackagingEconomicCostMeasurementCode	TotalPackagingEconomicCostMeasurementCode	0..1	A code determining the packaging component, material, etc that is cost and being determined for.
attribute	totalPackagingEconomicCostMeasurementDescription	Description80	0..*	A description determining the packaging component, material, etc that is cost and being determined for.
attribute	totalPackagingEconomicCostAmount	Amount	0..*	The total cost of all materials, energy, equipment and direct labour used during the sourcing of raw, recycled and reused materials and the production, filling, transport and/or disposal of packaging materials, packaging components or units of packaging.
PackagingFacilitiesInStressedWater				Provides the ability to communicate information about production sites located in areas with conditions of water stress or scarcity.
attribute	facilitiesInStressedWaterAreaPercent	float	0..1	Percent of facilities owned by a single operator located in an area identified as a stressed or scarce water resource area.
attribute	facilitiesInStressedWaterAreaCalculationMethod	Description200	0..*	The approach or tool used to determine water stress or scarcity should be identified (e.g. Global Water Tool, ETH Water Scarcity Index).
attribute	numberOfFacilitiesInStressedWaterArea	nonNegativeInteger	0..1	The number of facilities involved with the production of packaging materials (including recycled materials), packaging constituents, packaging components or units of packaging and/or filling and sealing of units of packaging that operate in areas identified as stressed or scarce fresh water resource area.
PackagingRecovery				Provides the packaging recovery information.
Association		PackagingRecoveryRate	0..1	Provides the packaging recovery rate information.
attribute	doesPackagingRecoveryRateTypeCodeMetTheStandard	NonBinaryLogicEnumeration	0..1	Determine if the packaging recovery rate meet the standard.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	packagingRecoveryRate	float	0..1	The mass fraction or absolute mass of packaging recovered from all sources (commercial and residential) based on relevant waste management statistics.
attribute	packagingRecoveryRateDescription	Description80	0..*	The description of the recovery applicable to the packaging.
attribute	packagingRecoveryRateTypeCode	PackagingRecoveryRateTypeCode	0..1	A code determining the type of recovery applicable to the packaging.
attribute	totalPackagingRecoveryRate	float	0..1	Expressed as cumulative sum of recovery rate by recovery method in % of total packaging weight [% wt.] placed on the market or as mass expressed by rate × total packaging weight put on the market.
PackagingRecycledContent				Provides the recycled content information
attribute	packagingRecycledContentRatio	float	0..1	The ratio of recycled material to total material used in packaging constituents, packaging components, or packaging systems
attribute	packagingRecycledContentTypeCode	PackagingRecycledContentTypeCode	0..1	The type of recycled content that is being measured for.
attribute	packagingRecycledContentDescription	Description80	0..*	The description of recycled content that is being measured for.
PackagingRenewableContent				Provides the packaging renewable content information.
attribute	packagingRenewableContentRatio	float	0..1	The ratio of renewable material used to total material used in packaging constituents, components, units of packaging or packaging systems.
attribute	packagingRenewableContentTypeCode	PackagingRenewableContentTypeCode	0..1	The type of renewable content that is being measured for.
attribute	packagingRenewableContentDescription	Description80	0..*	The description of renewable content that is being measured for.
PackagingReuse				Provides the packaging reuse information.
attribute	numberOfCyclesPriorToWithdrawal	nonNegativeInteger	0..1	Determines reusability in accordance with EN 13429 or ISO/DIS18603.
attribute	packagingReuseRate	float	0..1	The number of times packaging accomplishes the same use, rotation or trip for which it was conceived and designed within its life cycle. Demonstration of reusability must first be established in accordance with EN 13429 or ISO/DIS18603 once final.
attribute	packagingReusabilityStandardCode	PackagingReusabilityStandardCode	0..1	The reusability standard used to determine packaging reuse rate.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	packagingReusabilityStandardDescription	Description80	0..*	The description for the reusability standard used to determine packaging reuse rate.
PackagingSubstanceHazardousEnvironment				Provides the packaging substance hazardous environment information.
attribute	haveYouMinimizedHazardousSubstance	NonBinaryLogicEnumeration	0..1	Meeting the requirements of EN 13428 or ISO 18602 on heavy metals and dangerous/hazardous substances.
attribute	hazardousSubstancesMinimizationCode	HazardousSubstancesMinimizationCode	0..1	Assessment and minimization of substances, or mixtures, hazardous to the environment in packaging constituents, components, or systems that are at risk of entering the environment.
attribute	relevantSupportingSubstanceHazardousDocumentation	Description200	0..*	This is a certificate of compliance with relevant legislation. So the metric is a simple yes qualified with supporting documentation or a no.
PackagingSustainabilityEconomicIndicators				Provides the packaging sustainability economic indicator information.
Association		PackagingEconomicCost	0..*	Provides the packaging economic cost information
attribute	communityInvestmentRatio	float	0..1	The value of investments made in community projects related to packaging such as recycling education programs or recycling infrastructure development over and above regulated requirements.
attribute	packagedUnpackagedShelfLifeRatio	float	0..1	The ratio of a product's shelf life in packaging to a product's shelf life without packaging.
attribute	packagedProductWastagePercent	float	0..1	Cost of wasted goods expressed as a percentage of cost of goods sold per annum.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
PackagingSustainabilityModule				Provides the packaging sustainability module information
Association		IndividualPackagingComponentLevel	0..*	Provides the packaging level details.
Association		LifeCycleIndicators	0..1	Provides the life cycle indicator information.
Association		PackagingSustainabilityEconomicIndicators	0..1	Provides the packaging sustainability economic information

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	functionalBasisUnitCode	FunctionalBasisUnitCode	0..1	Code of the functional basis unit.
attribute	functionalBasisUnitDescription	Description80	0..*	Description of the functional basis unit.
attribute	packagingCubeUtilisationRatio	float	0..1	The overall volumetric measurement of packaging design efficiency. Expressed as the total volume of product in a pallet or other transport unit divided by either the volume of the transport unit or the space allotted to the transport unit, whichever is greater.
attribute	packagingToTradeItemWeightRatio	float	0..1	The ratio of the weight of all packaging material used to the weight of the product or functional unit delivered. The weight of all packaging components used in the packaging system per functional unit (i.e. per consumer use as expressed by e.g. per serving for food & beverages, per washing cycle for detergent.
attribute	packagingWeightPerConsumerUse	Measurement	0..1	The weight of all packaging components used in the packaging system per consumer use.
attribute	quantityOfFunctionalBasisUnit	Measurement	0..1	Quantity of the functional basis unit.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
PackagingWeightOptimisation				Provides the packaging weight optimisation details.
Association		PackagingWeightReduction	0..1	Provides the packaging weight reduction information.
attribute	packagingWeight	Measurement	0..1	The weight and identity of a packaging constituent, component or system which changes hands in the supply chain.
attribute	proofOfOptimizedPackagingWeightStandardCode	ProofOfOptimizedPackagingWeightStandardCode	0..1	The demonstration that the packaging has been minimized by weight or volume in accordance with EN 13428 or ISO/DIS 18602.
attribute	proofOfOptimizedPackagingWeightStandardDescription	Description80	0..*	The description for the proof of adequate packaging weight
PackagingWeightReduction				Provides the packaging weight reduction information.
attribute	packagingWeightReduction	Measurement	0..1	The reduction of packaging weight with regards to a previous reference state expressed as a percentage reduction or an absolute weight reduction [e.g. g or kg / packaging constituent, component or system].
attribute	packagingWeightReductionProtocolName	Description80	0..*	The protocol name that the calculation is based on (i.e. packaging weight reduction should be calculated according to the protocol stipulated in GPPS 2.0).

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	proofOfPackagingWeightReductionStandardCode	ProofOfPackagingWeightReductionStandardCode	0..1	The standard for the proof of packaging weight reduction is based on.
attribute	proofOfPackagingWeightReductionDescription	Description80	0..*	The description for the proof of packaging weight reduction is based on.
attribute	previousPackagingWeight	Measurement	0..1	The packaging weight of the previous product used to calculate the packaging weight reduction.
ToxicityProperties				Provides the toxicity properties information.
attribute	hasCancerousProperties	NonBinaryLogicEnumeration	0..1	The Toxicity, Cancer indicator evaluates potential cancer-related health outcomes that may occur due to the emissions associated with a given product or process.
attribute	toxicityMeasurement	Measurement	0..1	The amount of the cancerous substance per functional unit
attribute	toxicityReferenceSubstanceCode	ToxicityReferenceSubstanceCode	0..1	The reference substance or unit which is used to represent cancerous toxicity effects.
attribute	toxicityReferenceSubstanceDescription	Description80	0..*	The reference substance description or unit which is used to represent cancerous toxicity effects.
attribute	toxicityMeasurementProtocolCode	ToxicityMeasurementProtocolCode	0..1	The protocol code used for the measurement.
attribute	toxicityMeasurementProtocolDescription	Description80	0..*	The description of the protocol used for the measurement.
IndividualPackagingComponentsSustainability				Provides the individual packaging components details.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
LifeCycleIndicators				Provides the environmental indicator information.
Association		GlobalWarmingPotential	0..*	Provides the global warming potential information.
Association		AcidificationPotential	0..1	Provides the acidification potential information.
Association		AquaticEutrophication	0..1	Provides the aquatic eutrophication information.
Association		MassEquivalent	0..*	Provides the mass equivalent information.
Association		ToxicityProperties	0..*	Provides the toxicity properties information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		FreshWaterEcotoxicityPotential	0..1	Provides the freshwater ecotoxicity potential information.
Association		CumulativeEnergyDemand	0..*	Provides the cumulative energy demand information.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
MassEquivalent				Provides the mass equivalent information.
attribute	massEquivalentMeasurement	Measurement	0..1	The measurement for the mass equivalent code.
attribute	massEquivalentCode	MassEquivalentCode	0..1	The type of mass equivalent being measured.
attribute	massEquivalentProtocolCode	MassEquivalentProtocolCode	0..1	The protocol code related to the mass equivalent code.
attribute	massEquivalentProtocolDescription	Description80	0..*	The protocol description related to the mass equivalent code.
attribute	massEquivalentSubstanceCodeReference	Code	0..1	The substance code related to the mass equivalent code.
attribute	massEquivalentSubstanceDescription	Description80	0..*	The substance description related to the mass equivalent code
PackagingChainOfCustody				Provides the packaging chain of custody information.
attribute	packagingChainOfCustodyEventSequenceNumber	nonNegativeInteger	0..1	The linked set of organizations, from point of harvest or extraction to point of purchase, that have held legal ownership or physical control of raw materials or recycled materials, used in packaging constituents, packaging components, or packaging systems.
attribute	packagingChainOfCustodySourceCertifiedCode	PackagingChainOfCustodySourceCertifiedCode	0..1	A code that determines whether the source has been certified.
attribute	sourceCertificationSystemProtocolCode	SourceCertificationSystemProtocolCode	0..1	Provides the organisation(s) identification that certifies the source. (e.g. Forest Stewardship Council, Sustainable Forestry Initiative, Programme for Endorsement of Forest Certification.)
attribute	sourceCertificationSystemProtocolDescription	Description80	0..*	Provides the organisation(s) identification that certifies the source. (e.g. Forest Stewardship Council, Sustainable Forestry Initiative, Programme for Endorsement of Forest Certification.)
PackagingConstituent				Provides the packaging constituent information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		PackagingSubstanceHazardousEnvironment	0..*	Provides the substance hazardous environment information.
Association		Packaging ChainOfCustody	0..*	Provides the chain of custody information.
Association		Packaging Renewable Content	0..*	Provides the renewable content information
Association		Packaging RecycledContent	0..*	Provides the recycled content information.
Association		PackagingFacilitiesInStressedWater	0..*	Provides the facilities in stress water information.
Association		Packaging WeightOptimisation	0..1	Provides the packaging weight optimisation information.
attribute	packagingConstituent	Description 80	0..*	Provides the packaging constituent
attribute	packagingGenerated MaterialWaste	Measurement	0..1	The mass of material waste generated during the production and transport of packaging materials, packaging constituents, packaging components or packaging systems destined to final disposal, i.e. landfill or incineration without heat recovery
attribute	packagingMaterialTypeCode	Packaging MaterialTypeCode	0..1	A code that provides the packaging material.
attribute	packagingMaterialDescription	Description 80	0..*	A description of the packaging material.
PackagingEconomicCost				Provides the packaging economic cost information.
attribute	totalPackagingEconomicCostAmountBasis	Measurement	0..1	The basis amount or quantity used to determine the packaging costs for example 1 kg, 1000 units, 1 year
attribute	totalPackagingEconomicCostMeasurementCode	TotalPackagingEconomicCostMeasurementCode	0..1	A code determining the packaging component, material, etc that is cost and being determined for.
attribute	totalPackagingEconomicCostMeasurementDescription	Description 80	0..*	A description determining the packaging component, material, etc that is cost and being determined for.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	totalPackagingEconomicCostAmount	Amount	0..*	The total cost of all materials, energy, equipment and direct labour used during the sourcing of raw, recycled and reused materials and the production, filling, transport and/or disposal of packaging materials, packaging components or units of packaging.
PackagingRecovery				Provides the packaging recovery information.
Association		PackagingRecoveryRate	0..1	Provides the packaging recovery rate information.
attribute	doesPackagingRecoveryRateTypeCodeMetTheStandard	NonBinaryLogicEnumeration	0..1	Determine if the packaging recovery rate meet the standard.
attribute	packagingRecoveryRate	float	0..1	The mass fraction or absolute mass of packaging recovered from all sources (commercial and residential) based on relevant waste management statistics.
attribute	packagingRecoveryRateDescription	Description80	0..*	The description of the recovery applicable to the packaging.
attribute	packagingRecoveryRateTypeCode	PackagingRecoveryRateTypeCode	0..1	A code determining the type of recovery applicable to the packaging.
attribute	totalPackagingRecoveryRate	float	0..1	Expressed as cumulative sum of recovery rate by recovery method in % of total packaging weight [% wt.] placed on the market or as mass expressed by rate × total packaging weight put on the market.
PackagingRecycledContent				Provides the recycled content information
attribute	packagingRecycledContentRatio	float	0..1	The ratio of recycled material to total material used in packaging constituents, packaging components, or packaging systems
attribute	packagingRecycledContentTypeCode	PackagingRecycledContentTypeCode	0..1	The type of recycled content that is being measured for.
attribute	packagingRecycledContentDescription	Description80	0..*	The description of recycled content that is being measured for.
PackagingRenewableContent				Provides the packaging renewable content information.
attribute	packagingRenewableContentRatio	float	0..1	The ratio of renewable material used to total material used in packaging constituents, components, units of packaging or packaging systems.
attribute	packagingRenewableContentTypeCode	PackagingRenewableContentTypeCode	0..1	The type of renewable content that is being measured for.
attribute	packagingRenewableContentDescription	Description80	0..*	The description of renewable content that is being measured for.

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content	attribute / role	datatype /secondary class	multiplicity	definition
PackagingReuse				Provides the packaging reuse information.
attribute	numberOfCyclesPriorToWithdrawal	nonNegativeInteger	0..1	Determines reusability in accordance with EN 13429 or ISO/DIS18603.
attribute	packagingReuseRate	float	0..1	The number of times packaging accomplishes the same use, rotation or trip for which it was conceived and designed within its life cycle. Demonstration of reusability must first be established in accordance with EN 13429 or ISO/DIS18603 once final.
attribute	packagingReusabilityStandardCode	PackagingReusabilityStandardCode	0..1	The reusability standard used to determine packaging reuse rate.
attribute	packagingReusabilityStandardDescription	Description80	0..*	The description for the reusability standard used to determine packaging reuse rate.
PackagingSustainabilityEconomicIndicators				Provides the packaging sustainability economic indicator information.
Association		PackagingEconomicCost	0..*	Provides the packaging economic cost information
attribute	communityInvestmentRatio	float	0..1	The value of investments made in community projects related to packaging such as recycling education programs or recycling infrastructure development over and above regulated requirements.
attribute	packagedUnpackagedShelfLifeRatio	float	0..1	The ratio of a product's shelf life in packaging to a product's shelf life without packaging.
attribute	packagedProductWastagePercent	float	0..1	Cost of wasted goods expressed as a percentage of cost of goods sold per annum.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
PackagingSustainabilityModule				Provides the packaging sustainability module information
Association		IndividualPackagingComponentLevel	0..*	Provides the packaging level details.
Association		LifeCycleIndicators	0..1	Provides the life cycle indicator information.
Association		PackagingSustainabilityEconomicIndicators	0..1	Provides the packaging sustainability economic information
attribute	functionalBasisUnitCode	FunctionalBasisUnitCode	0..1	Code of the functional basis unit.

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content	attribute / role	datatype /secondary class	multiplicity	definition
attribute	functionalBasisUnitDescription	Description80	0..*	Description of the functional basis unit.
attribute	packagingCubeUtilisationRatio	float	0..1	The overall volumetric measurement of packaging design efficiency. Expressed as the total volume of product in a pallet or other transport unit divided by either the volume of the transport unit or the space allotted to the transport unit, whichever is greater.
attribute	packagingToTradeItemWeightRatio	float	0..1	The ratio of the weight of all packaging material used to the weight of the product or functional unit delivered. The weight of all packaging components used in the packaging system per functional unit (i.e. per consumer use as expressed by e.g. per serving for food & beverages, per washing cycle for detergent.
attribute	packagingWeightPerConsumerUse	Measurement	0..1	The weight of all packaging components used in the packaging system per consumer use.
attribute	quantityOfFunctionalBasisUnit	Measurement	0..1	Quantity of the functional basis unit.
attribute	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
PackagingWeightOptimisation				Provides the packaging weight optimisation details.
Association		PackagingWeightReduction	0..1	Provides the packaging weight reduction information.
attribute	packagingWeight	Measurement	0..1	The weight and identity of a packaging constituent, component or system which changes hands in the supply chain.
attribute	proofOfOptimizedPackagingWeightStandardCode	ProofOfOptimizedPackagingWeightStandardCode	0..1	The demonstration that the packaging has been minimized by weight or volume in accordance with EN 13428 or ISO/DIS 18602.
attribute	proofOfOptimizedPackagingWeightStandardDescription	Description80	0..*	The description for the proof of adequate packaging weight

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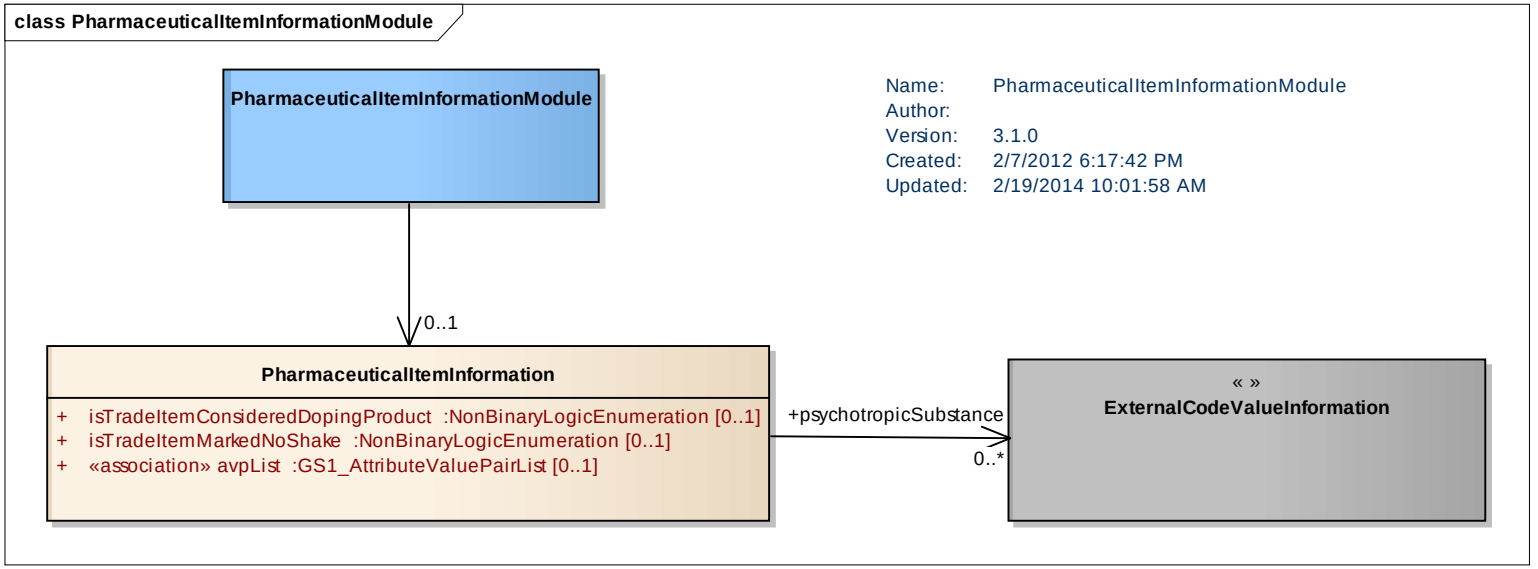
5.40. Pharmaceutical Item Information Module



Note: Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
PharmaceuticalItem Information				Information on medicinal drugs.
Association	psychotropicSubstance	ExternalCodeValueInformation	0..*	A psychotropic substance is any chemical agent affecting the mind or mental processes (i.e., any psychoACTIVE drug). (ii) In the context of international drug control, 'psychotropic substance' means any substance, natural or synthetic, or any natural material in Schedule I, II, III or IV of the 1971 Convention. *Those utilizing this functionality should be aware of the Vienna convention and requirement to annually declare stock movements to national control body.Examples of psychoactive drugs may include: amphetamines, barbiturates, and psychedelics. This class of substances includes almost any conceivable mind-altering substance.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	isTradeItemConsideredDopingProduct	NonBinaryLogicEnumeration	0..1	Indicates that the product could be considered a doping substance which is a substance which is part of the list of prohibited substances, pharmaceutical products and methods yearly published by World Anti-Doping Agency. Doping products typically fall into one of the following general types of substances: Anabolic Agents, Hormones and Related Substances, Beta-2 Agonist, Hormone Antagonist and Modulators, Diuretics and other Masking Agents, Stimulants, Narcotics, Cannabinoids, Glucocorticosteroids, Alcohol, Beta-Blockers.
Attribute	isTradeItemMarkedNoShake	NonBinaryLogicEnumeration	0..1	Indicates that the trade item is marked to not be shaken during transport, storage, or use.
PharmaceuticalItemInformationModule				A module containing information on medicinal drugs.
Association		PharmaceuticalItemInformation	0..1	Pharmaceutical information for a trade item.

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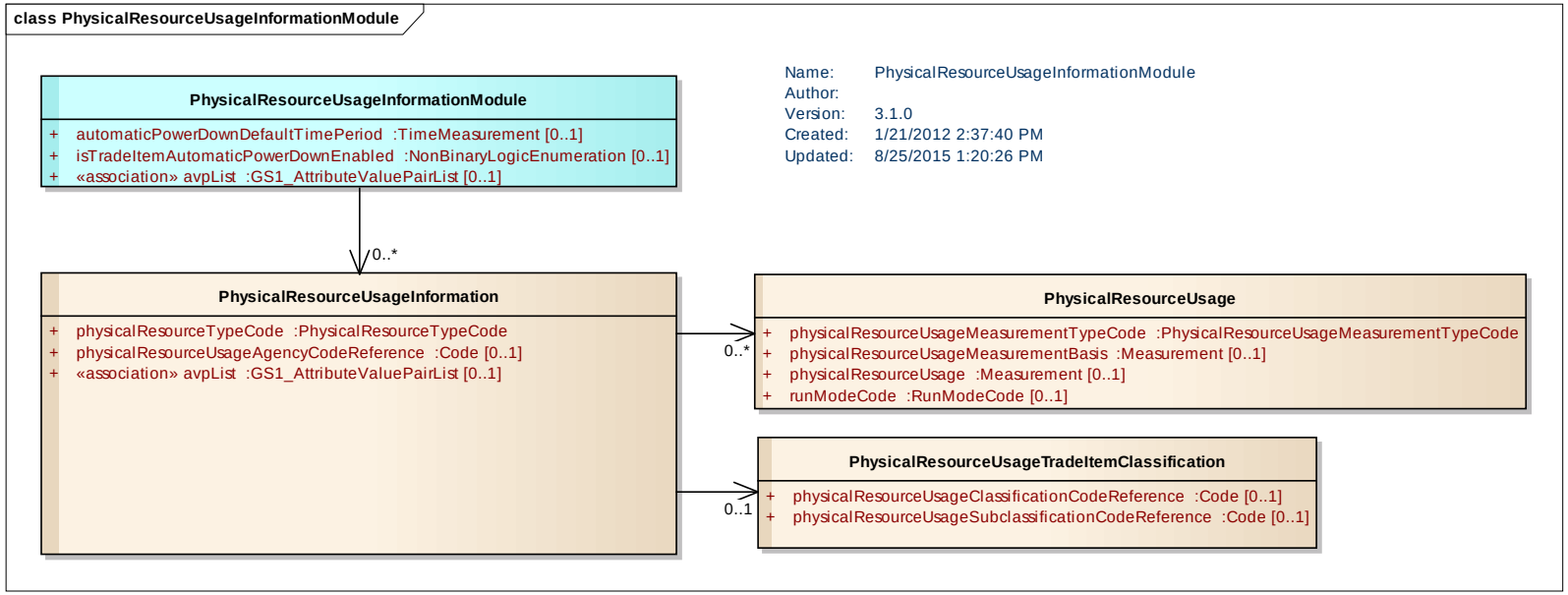
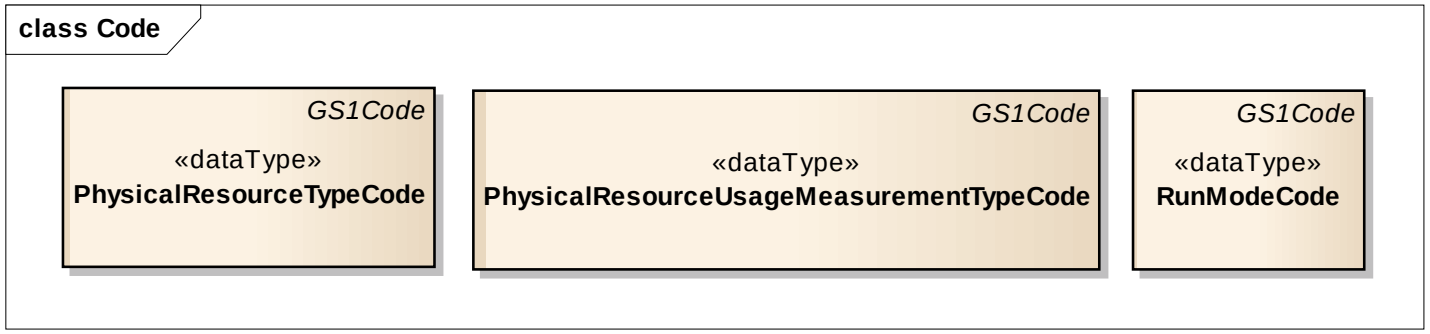
5.41. Physical Resource Usage Information Module





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content	attribute / role	datatype /secondary class	multiplicity	definition
PhysicalResourceUsage				Information on the amount of energy used for a trade item.
Attribute	physicalResourceUsageMeasurementTypeCode	PhysicalResourceUsageMeasurementTypeCode	1..1	A qualifier determining whether the resource usage is maximum or average.
Attribute	physicalResourceUsageMeasurementBasis	Measurement	0..1	The basis used to determine the resource usage for the trade item for example time period (e.g. hours, days, years).
Attribute	physicalResourceUsage	Measurement	0..1	The maximum amount of resources used by a device powered by electricity.
Attribute	runModeCode	runModeCode	0..1	The functional mode of an electrical device for example On, Sleep, Standby). Run modes are defined by various guidelines for example the energy star guideline.
PhysicalResourceUsageTradeItemClassification				A trade item classification used to drive requirements for information for trade items which use physical resources for example water or electricity.
Attribute	physicalResourceUsageSubclassificationCodeReference	Code	0..1	A sub-classification code value from a product classification scheme provided to drive required information for resource usage.
Attribute	physicalResourceUsageClassificationCodeReference	Code	0..1	A classification code value from a product classification scheme provided to drive required information for resource usage.
PhysicalResourceUsageInformation				Details on the usage of physical resources for a trade item during various modes of usage.
Association		PhysicalResourceUsageTradeItemClassification	0..1	A trade item classification used to drive requirements for information for trade items which use physical resources.
Association		PhysicalResourceUsage	0..*	Information on the amount of physical resources used for a trade item.
Attribute	physicalResourceTypeCode	physicalResourceTypeCode	1..1	A code depicting the type of physical resource being measured for usage for example electricity, gas.
Attribute	physicalResourceUsageAgencyCodeReference	Code	0..*	The agency that regulates resource usage for products within a target market. For example Environmental Protection Agency (EPA) in the United States.
PhysicalResourceUsageInformationModule				A module containing details on the usage of resources for a trade item during various modes of usage.
Association		PhysicalResourceUsageInformation	0..*	Details on the usage of resources for a trade item during various modes of usage.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	automaticPowerDownDefaultTimePeriod	TimeMeasurement	0..1	The default time value that the product will automatically power down for trade item.
Attribute	isTradeItemAutomaticPowerDownEnabled	NonBinaryLogicEnumeration	0..1	An indicator whether a product is enabled with auto power down feature when shipped to the customer. Auto power down is a feature that operates similarly to power management features and requires the unit to enter a standby passive mode after a certain pre-set number of hours of user inactivity.

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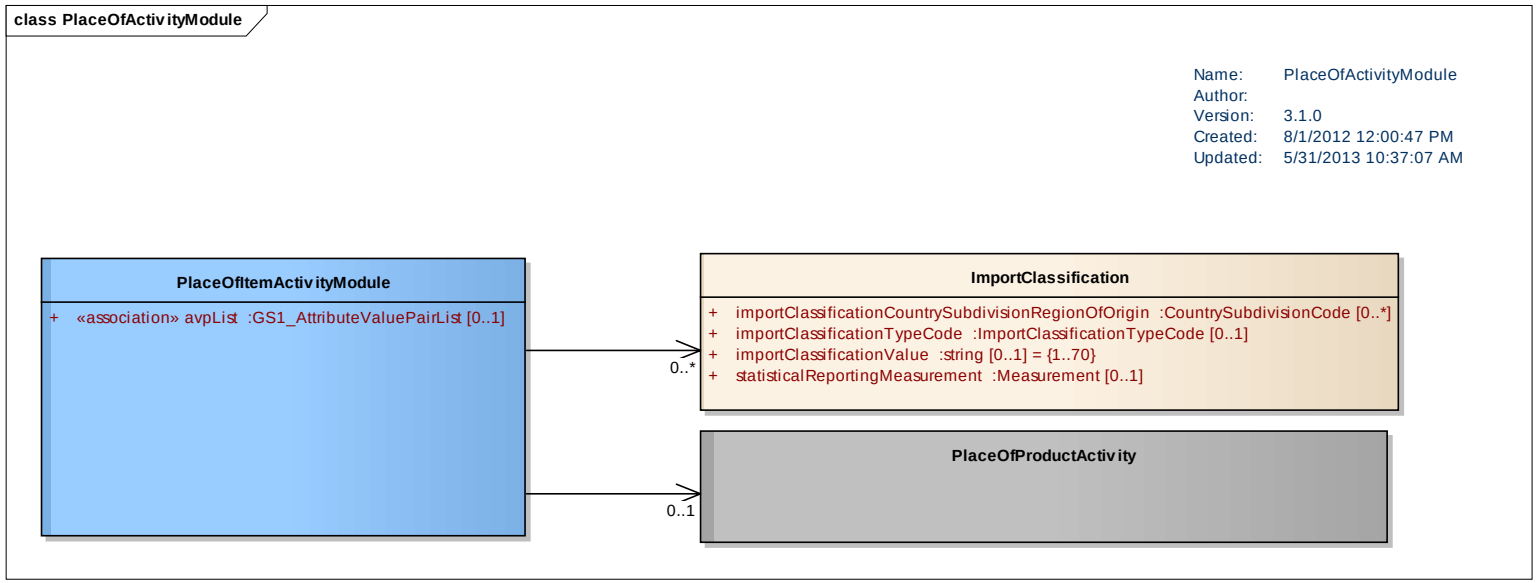
5.42. Place of Item Activity Module



Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
ImportClassification				Imports and exports of trade items typically require classification codes to determine appropriate duties and tariffs. Values include Netherlands Import Code, Harmonized Commodity Description and Coding System, Customs Tariff and INTRASTAT Code, Harmonized Tariff Schedule of the United States, INTRASTAT Combined Nomenclature, Tarif Intégré de la Communauté
Attribute	importClassificationCountrySubdivisionRegionOfOrigin	CountrySubdivisionCode	0..*	The region of origin of the trade item for import purposes. This is required by Intrastat.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	importClassificationTypeCode	ImportClassificationTypeCode	0..1	Imports and exports of trade items typically require classification codes to determine appropriate duties and tariffs. Values include Netherlands Import Code, Harmonized Commodity Description and Coding System, Customs Tariff and INTRASTAT Code, Harmonized Tariff Schedule of the United States, INTRASTAT Combined Nomenclature, Tarif Intégré de la Communauté
Attribute	importClassificationValue	string	0..1	The value for an associated import classification type.
Attribute	statisticalReportingMeasurement	Measurement	0..1	The amount of the trade item net of any packaging (e.g. Box, Spool) provided for statistical reporting purposes. In the EU, the Supplementary Unit of the Intrastat Supplementary Declaration, provided when the Net Mass in Kilograms is not acceptable based on the Commodity Classification for Foreign Trade Statistics. For example, ice cream is reported in net mass so no supplementary unit is required. Carpets are reported in square metres, so the area of carpet of the trade item should be shown in statistical Reporting Measurement in square metres.
PlaceOfItemActivityModule				Origin and other information for the purposes of customs, marketing, etc.
Association		PlaceOfProductActivity	0..1	Information on the activity (e.g. bottling) taken place for a trade item as well as the associated geographic area.
Association		ImportClassification	0..*	The value for an associated import classification type.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.

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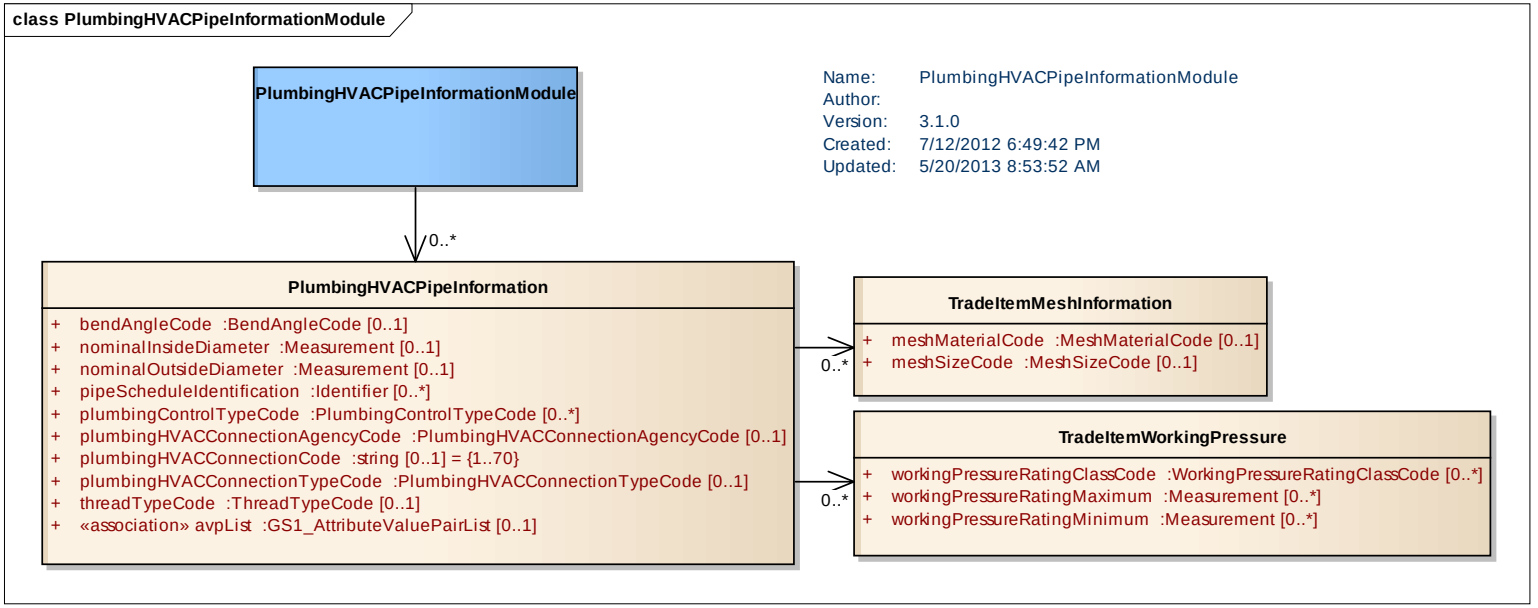
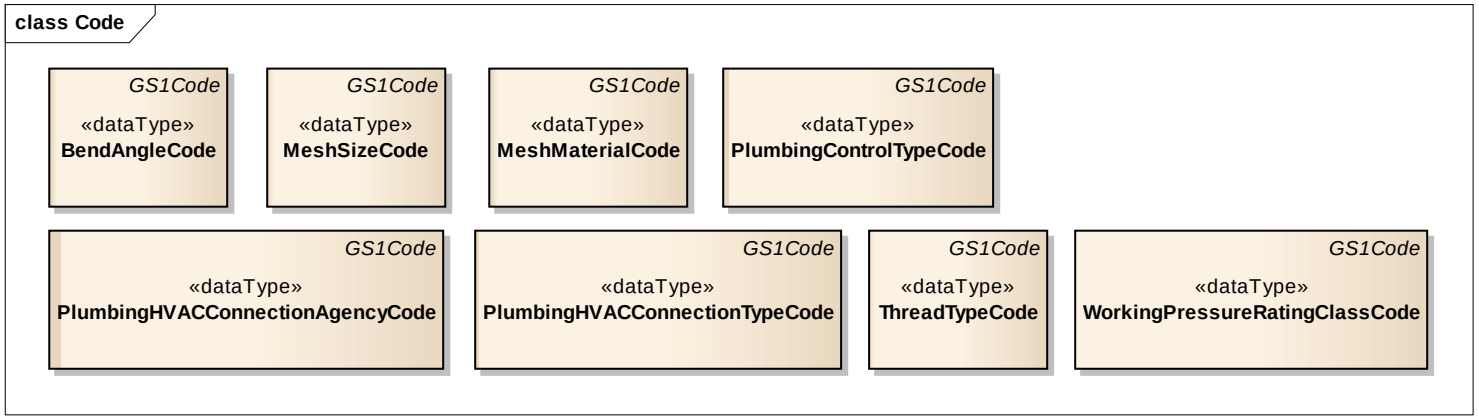
5.43. Plumbing HVAC Pipe Information Module





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content	attribute / role	datatype /secondary class	multiplicity	definition
PlumbingHVACPipeInformation				Plumbing and HVAC information for a trade item.
Association		TradeItemMeshInformation	0..*	Information related to mesh trade items.
Association		TradeItemWorkingPressure	0..*	Information related to the working pressure of a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	bendAngleCode	bendAngleCode	0..1	The type of bend or angle for the product. For example a pipe made to turn a corner might have a bend angle of 90 degrees.
Attribute	nominalInsideDiameter	Measurement	0..1	The measurement of the nominal (not the exact measurement) inside diameter of the plumbing connection point of the trade item.
Attribute	nominalOutsideDiameter	Measurement	0..1	The measurement of the nominal (not the exact measurement) outside diameter of the plumbing connection point of the trade item.
Attribute	pipeScheduleIdentification	Identifier	0..*	The pipe schedule or rating size as defined by an external agency for example Schedule 40 or SDR-9. A pipe schedule is how this is classified in regards to the functions of the pipe including type of medium (e.g. solid, liquid or gas) and pressure rating.
Attribute	plumbingControlTypeCode	PlumbingControlTypeCode	0..*	The mechanism used for the flow control of the unit for example faucet, handle, wheel, electronic actuator.
Attribute	plumbingHVACConnectionAgencyCode	PlumbingHVACConnectionAgencyCode	0..1	The agency which controls the standards used to determine the design for a plumbing HVAC connection type and dimensions.
Attribute	plumbingHVACconnectionCode	string	0..1	A code determining the connection point on the trade item that the plumbing connection type refers to. This code is determined by standards established by the plumbing HVAC connection agency.
Attribute	plumbingHVACconnectionTypeCode	PlumbingHVACConnectionTypeCode	0..1	The type of plumbing HVAC connection points available for the trade item for example grooved joint. The connection type(s) will help determine how this trade item can connect to other products.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	threadTypeCode	ThreadTypeCode	0..1	The type of pipe threading available on the product. Threading is the grooves onto which another unit or part can be screwed to make a connection
PlumbingHVACPipeInformationModule				Pipe and heating, ventilation, and air conditioning information for a trade item.
Association		PlumbingHVACPipeInformation	0..*	Pipe and heating, ventilation, and air conditioning information for a trade item.
TradeItemMeshInformation				Information related to mesh trade items.
Attribute	meshMaterialCode	MeshMaterialCode	0..1	The material used to create the mesh strainer in the product. The mesh provides particulate filtration for the unit.
Attribute	meshSizeCode	MeshSizeCode	0..1	The size of the openings in the mesh strainer of the product as an integer. The mesh provides particulate filtration for the unit.
TradeItemWorkingPressure				Information related to the working pressure of a trade item.
Attribute	workingPressureRatingClassCode	WorkingPressureRatingClassCode	0..*	The state of the medium being pushed through the pipe for example water or steam in relation to determining working pressure.
Attribute	workingPressureRatingMaximum	Measurement	0..*	The maximum approved working pressure rating for the product for a specific medium state (water, gas, etc).
Attribute	workingPressureRatingMinimum	Measurement	0..*	The minimum approved working pressure rating for the product for a specific medium state (water, gas, etc).

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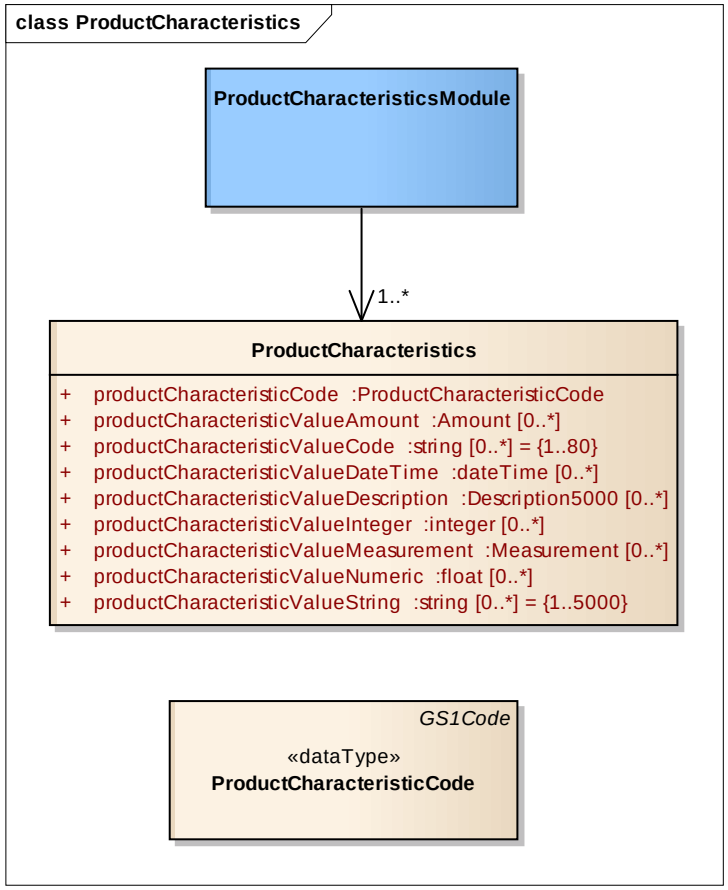
5.44 Product Characteristics Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
ProductCharacteristics				A characteristic for a product for example values for a property such as numberOfPlys along with its associated value for example 2.
Attribute	productCharacteristicCode	productCharacteristicCode	1..1	The name of the product characteristic being described for example numberOfPlys.
Attribute	productCharacteristicValueAmount	Amount	0..*	The product characteristic value expressed as an amount (with currency code).
Attribute	productCharacteristicValueCode	string	0..*	The product characteristic value expressed as a code.
Attribute	productCharacteristicValueDateTime	dataTime	0..*	The product characteristic value expressed as a date and time.
Attribute	productCharacteristicValueDescription	Description5000	0..*	The product characteristic value expressed as a description (text with language).
Attribute	productCharacteristicValueInteger	integer	0..*	The product characteristic value expressed as an integer.
Attribute	productCharacteristicValueMeasurement	Measurement	0..*	The product characteristic value expressed as a measurement (float with unit of measure).
Attribute	productCharacteristicValueNumeric	float	0..*	The product characteristic value expressed as a float.
Attribute	productCharacteristicValueString	string	0..*	The product characteristic value expressed as a string (text value with no language).
ProductCharacteristicsModule				A module used to express characteristics for a product for example values for a property such as numberOfPlys.
Association		ProductCharacteristics	1..*	The product characteristic value expressed as an amount (with currency code).

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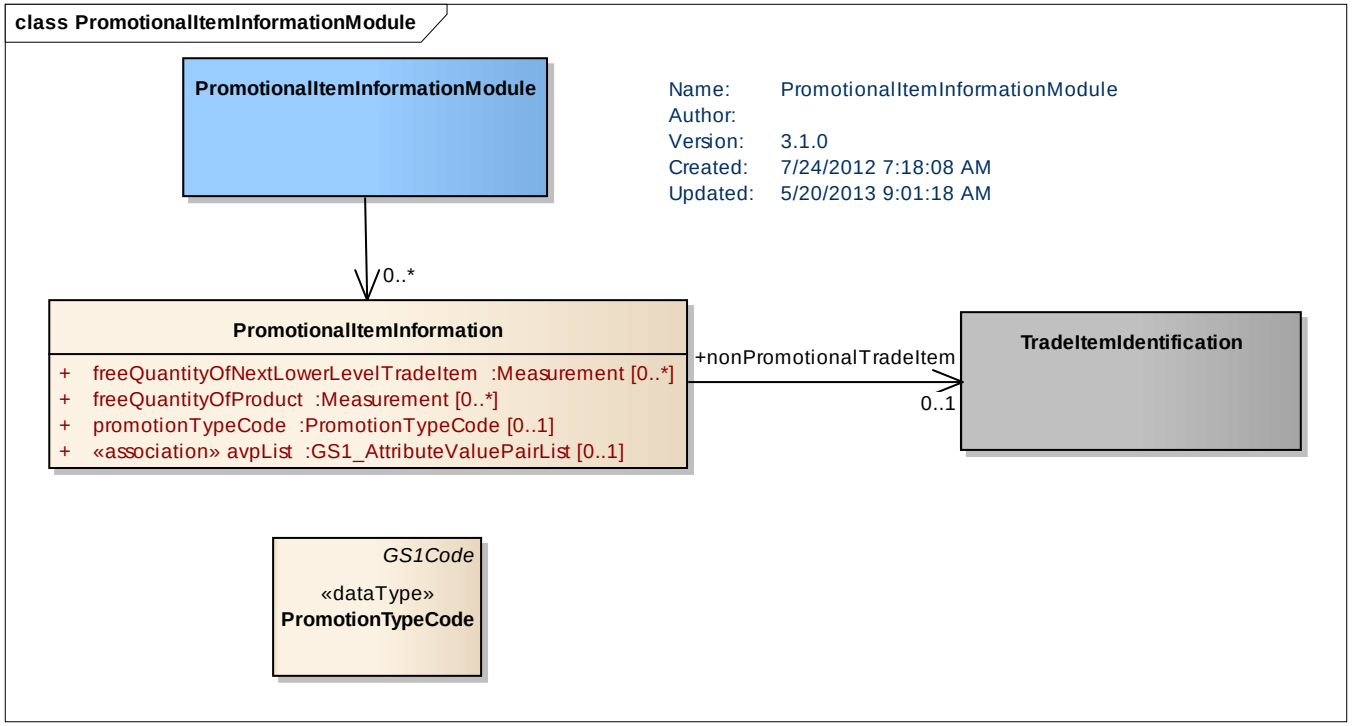
5.45. Promotional Item Information Module



Note: Common class (in grey) is located in Shared Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
PromotionalItemInformation				Provides details of the type of promotional item and its relationship to the non-promotional item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association	nonPromotionalTradeItem	TradeItemIdentification	0..1	The GTIN of the standard Trade Item. Used to indicate which trade item the promotional trade item replaces or coexists with. To enable the linking of identification and there for of information be-teen the two trade items.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	freeQuantityOfNextLowerLevelTradeItem	Measurement	0..*	The numeric quantity of free items in a com-bination pack. If the free quantity promo-tional trade item is simple or is a multi-pack the free quantity is populated. The unit of measure used for the free quantity of next lower level must be the same as the unit of measure of the Net Content of the Child Trade Item.
Attribute	freeQuantityOfProduct	Measurement	0..*	To indicate the quantity which is free. It is needed to update the price per unit of measure as displayed on the shelves. The unit of measure must be the same as the unit of measure of the Net Content. If the free quantity is expressed on the package it must be converted to a quantity expressed in the same unit of measure as the net content in the message.
Attribute	promotionTypeCode	PromotionTypeCode	0..1	Used to identify the different types of free quantity promotional trade items and the nature of the link between the standard trade item and the promotional trade item.
PromotionalItemInformationModule				A module providing details of the type of promotional item.
Association		PromotionalItemInformation	0..*	Details of the type of promotional item.

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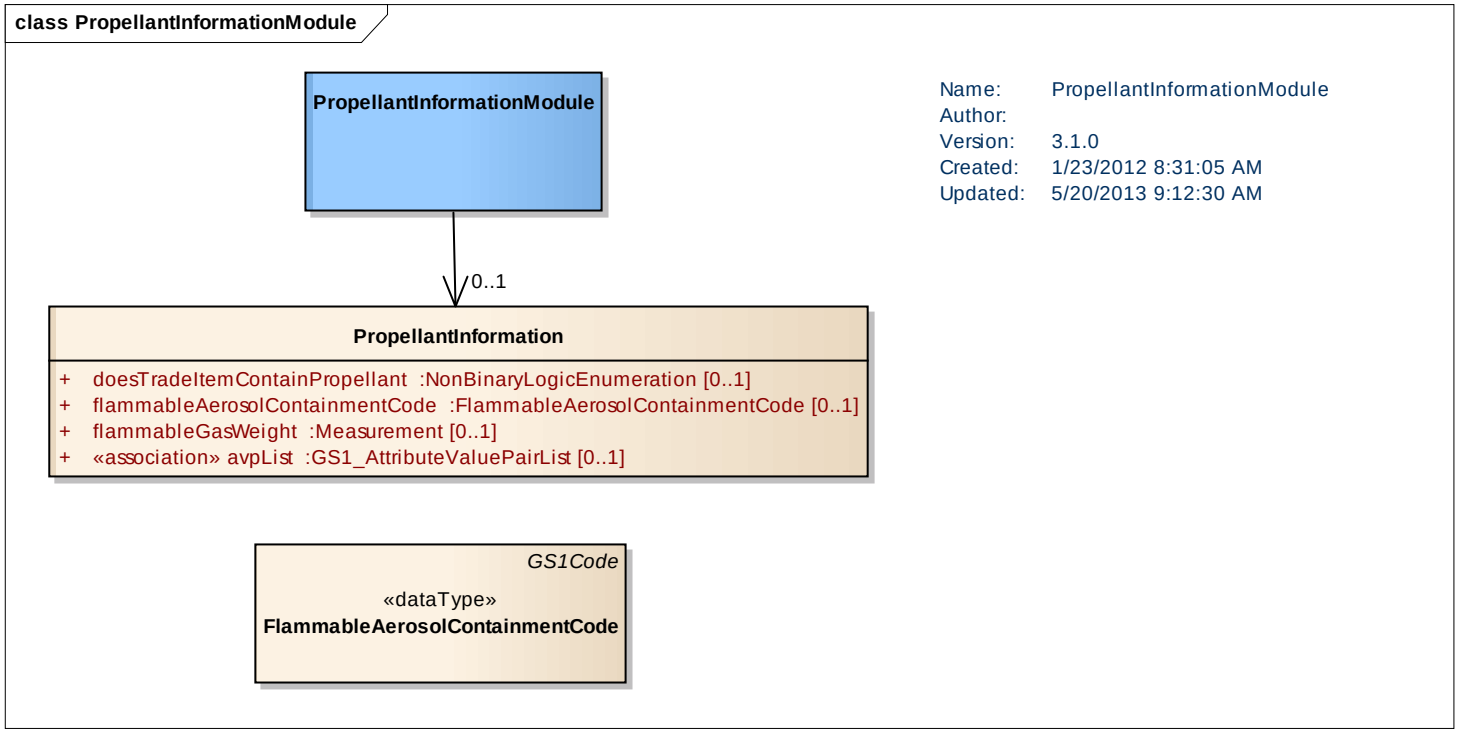
5.46. Propellant Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
PropellantInformation				Information on compressed gas or propellant contained in the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	doesTradeItemContainPropellant	NonBinaryLogicEnumeration	0..1	Indicates if a trade item contains a compressed gas or propellant.
Attribute	flammableAerosolContainmentCode	FlammableAerosolContainmentCode	0..1	Determines whether the propellant in the trade item is an aerosol and whether the aerosol is considered flammable.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	flammableGasWeight	Measurement	0..1	This is the weight of the flammable gas in the trade item. Note: Per submitter this is expressed in the UK in grammes This attribute is required if the item is an aerosol which contains flammable gas (FLAMMABLE_AEROSOL).
PropellantInformationModule				Information on compressed gas or propellant contained in the trade item.
Association		PropellantInformation	0..1	Propellant details for a trade item.

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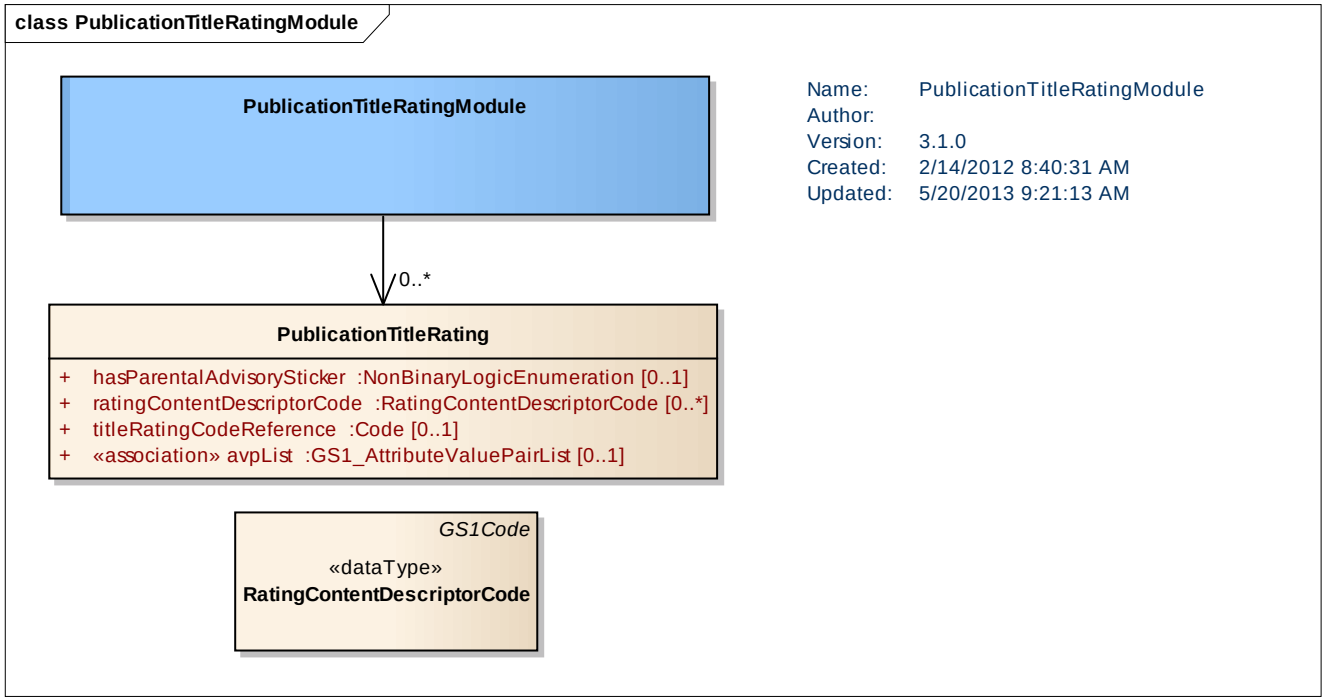
5.47. Publication Title Rating Module



content	attribute / role	datatype /secondary class	multiplicity	definition
PublicationTitleRatingModule				A module containing information regarding the content viewer maturity rating for an entertainment product.
Association		PublicationTitleRating	0..*	Information regarding the content viewer maturity rating for an entertainment product.
PublicationTitleRating				Information regarding the content viewer maturity rating for an entertainment product.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	hasParentalAdvisorySticker	NonBinaryLogicEnumeration	0..1	Indication of the presence of parental advisory sticker.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	ratingContentDescriptorCode	ratingContentDescriptorCode	0..*	A code that identifies one or several elements that have triggered a particular rating and/or may be of interest or concern.
Attribute	titleRatingCodeReference	Code	0..1	A rating assigned to the title by a country, industry or volunteer organization that may be of interest or concern to the consumer. GS1 Code List used differs based on product type: • Title Rating Code (Games) • Title Rating Code (Film).

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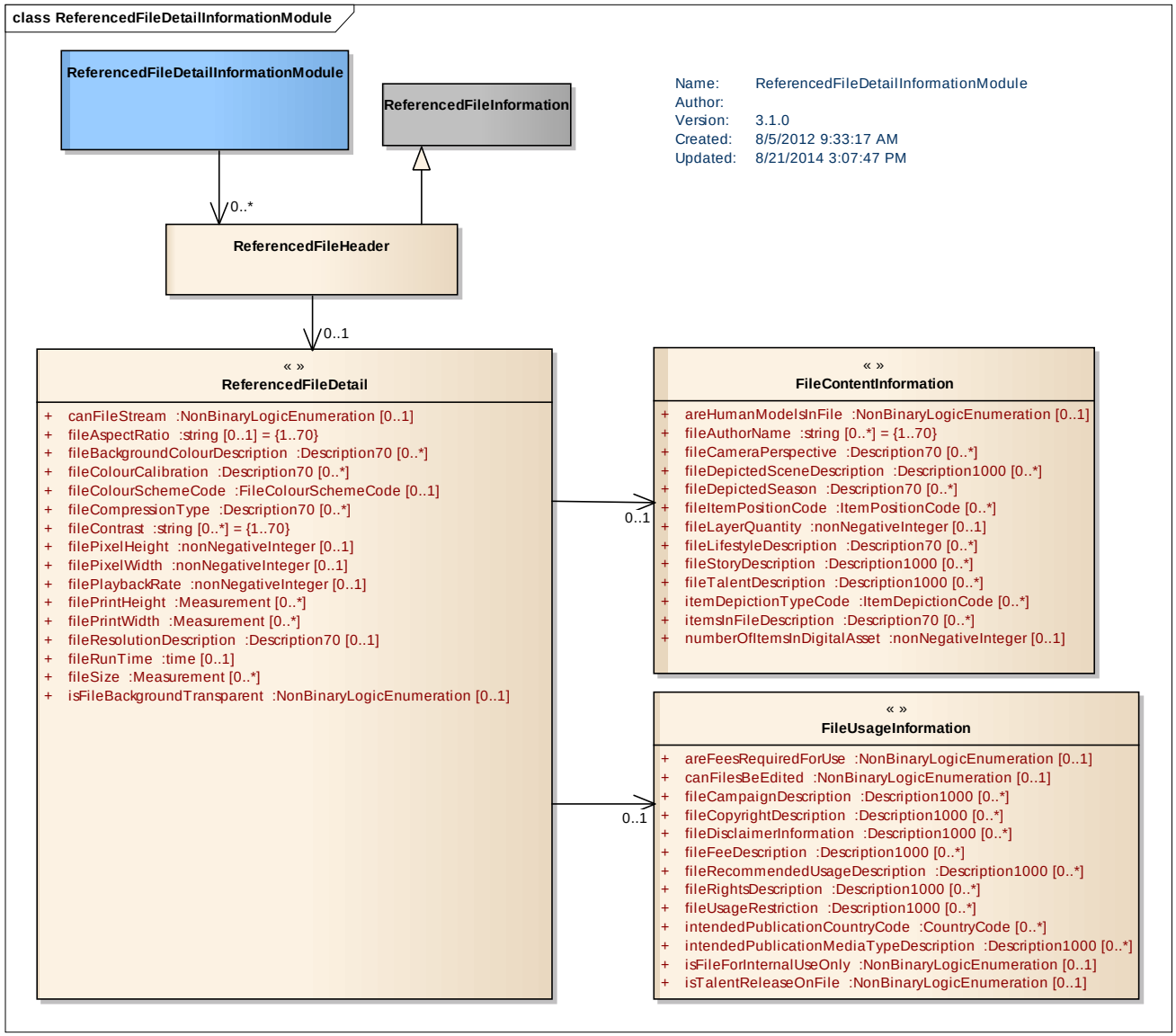
5.48. Referenced File Detail Information Module



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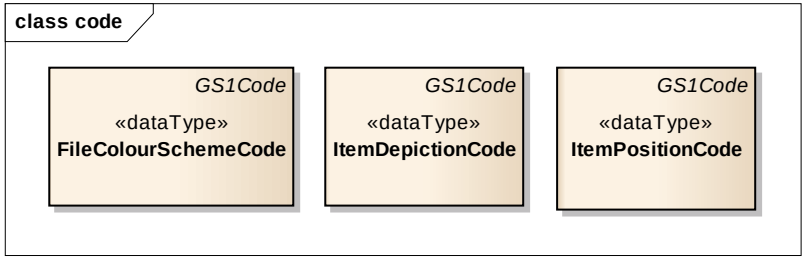

content	attribute / role	datatype /secondary class	multiplicity	definition
ReferencedFileDetailInformationModule				Information specifying a link to a file external to the message itself.
Association		ReferencedFileHeader	0..*	Information specifying a link to a file external to the message itself.
ReferencedFileHeader				Basic referenced file information.
Association	<Generalization>	ReferencedFileInformation	1..1	Imports information contained in ReferencedFileInformationClass into the ReferencedFileHeader
Association		ReferencedFileDetail	0..1	Information specifying a link to a file external to the message itself.
ReferencedFileDetail				Information specifying a link to a file external to the message itself.
Association		FileUsageInformation	0..1	Information on usage of a referenced file.
Association		FileContentInformation	0..1	Information on the content of the referenced file.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	canFileStream	NonbinaryLogicEnumeration	0..1	An indicator that the digital asset is compressed to start displaying/running before fully uncompressing.
Attribute	fileAspectRatio	string	0..1	A description of the aspect ratio used to determine how a digital asset fits on a page or monitor.
Attribute	fileBackgroundColourDescription	Description70	0..*	A description of the colour for the background in the digital asset. The background is the area in the asset which surrounds the item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	fileColourCalibration	Description70	0..*	The colour calibration fashion used in the creation of the digital asset for example: Kodak, Heidelberg CMM, Apple colourSync, etc.
Attribute	fileColourSchemeCode	FileColourSchemeCode	0..1	The type of colour scheme used in the digital asset.
Attribute	fileCompressionType	Description70	0..*	A description of the compression method used to reduce the file size stored at the link. This information is used to aid the user in choosing the correct program to extract the file. Examples include Quick Time, Real Player, mpg, WinZip, etc.
Attribute	fileContrast	string	0..*	The contrast used in the digital asset. Contrast is the difference in brightness between light and dark areas of an image. Contrast determines the number of shades in the image.
Attribute	filePixelHeight	nonNegativeInteger	0..1	The number of pixels along the vertical axis of the image.
Attribute	filePixelWidth	nonNegativeInteger	0..1	The number of pixels along the horizontal axis of the image.
Attribute	filePlaybackRate	nonNegativeInteger	0..1	The targeted frame rate for the display of the digital asset, expressed as an integer representing the number of frames per second.
Attribute	filePrintHeight	Measurement	0..*	The number of pixels along the vertical axis of the image.
Attribute	filePrintWidth	Measurement	0..*	The number of pixels along the horizontal axis of the image.
Attribute	fileResolutionDescription	Description70	0..1	The resolution of the file. Knowing the resolution will allow the user to be able to determine the best system with which to utilize the file.
Attribute	fileRunTime	time	0..1	The playback or running length of time for the digital asset. This most common is in reference to video or audio files, but is not limited to them. This would be expressed in hours, minutes and second (hh:mm:ss).
Attribute	fileSize	Measurement	0..*	The size of the file as it is stored in an uncompressed format.
Attribute	isFileBackgroundTransparent	NonbinaryLogicEnumeration	0..1	An indicator of whether or not the background used in the file is transparent. Having a transparent background would allow a recipient to place the file into any setting necessary.
FileContentInformation				Information on file content for an external file.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	areHumanModelsInFile	NonbinaryLogicEnumeration	0..1	An indicator whether or not the item is shown or depicted with human models.
Attribute	fileAuthorName	string	0..*	The organization(s) or person(s) who is responsible for creating the digital asset.
Attribute	fileCameraPerspective	Description70	0..*	A description of the angle of perspective used by the camera in the capture of the digital asset.
Attribute	fileDepictedSceneDescription	Description1000	0..*	The scene or location used as a setting or backdrop in the digital asset.
Attribute	fileDepictedSeason	Description70	0..*	A description of the season shown or depicted within the digital asset. (e.g. Winter, Spring).
Attribute	fileItemPositionCode	ItemPositionCode	0..*	A description of how the item is placed in the digital asset for example the item is propped (leaning against an object) or held (being held by a model).
Attribute	fileLayerQuantity	nonNegativeInteger	0..1	The number of layers in the digital asset.
Attribute	fileLifestyleDescription	Description70	0..*	The lifestyles to which this digital asset can be used. For example psychographic, demographic, age, etc.
Attribute	fileStoryDescription	Description1000	0..*	A description of the storyboard or plot of the digital file.
Attribute	fileTalentDescription	Description1000	0..*	The specific identification of the talent used in the file. For example, may identify a celebrity as the spokesperson for the product as included in the asset.
Attribute	itemDepictionTypeCode	ItemDepictionCode	0..*	The state of the item as it is being depicted in the digital assets for example gift wrapped or assembled.
Attribute	itemsInFileDescription	Description70	0..*	A description of the additional items shown or depicted in the digital asset.
Attribute	numberOfItemsInDigitalAsset	nonNegativeInteger	0..1	The number of items in the digital asset, where the asset contains more than one item.
FileUsageInformation				Information on usage for an external file.
Attribute	areFeesRequiredForUse	NonbinaryLogicEnumeration	0..1	An indicator whether or not a fee is required for the use of this digital asset.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	canFilesBeEdited	NonbinaryLogicEnumeration	0..1	An indicator of whether the user or recipient of the digital asset can edit it prior to use or as a function of using the asset. Some digital assets are designed such that the recipient can edit the asset to meet the needs of a final output.
Attribute	fileCampaignDescription	Description1000	0..*	A reference to a specific communication project to which the digital asset is associated, such as the Back To School Campaign. A campaign is a marketing term used to describe the event, sale, promotion, or other program for which this digital asset is designed to be part.
Attribute	fileCopyrightDescription	Description1000	0..*	A description of any Copyright notice which pertains to the digital asset.
Attribute	fileDisclaimerInformation	Description1000	0..*	A description expressing any disclaimers which pertain to the digital asset. (e.g. Item may be smaller than appears).
Attribute	fileFeeDescription	Description1000	0..*	A description of the fees that are applicable to use of the digital asset. This attribute may be a list of actual fees, a description of the fee structure, or contact information to find out the fees.
Attribute	fileRecommendedUsageDescription	Description1000	0..*	A textual description of the recommended use of the asset in an easy to understand fashion such that all parties, regardless of specific expertise, can understand use of the asset. This element's intention is to "translate" complicated characteristics into a simpler textual representation. Examples: • If the characteristics of the external file are a resolution of 1775 x 1230 pixels, colour space RGB 8 bit by colour, format TIF or JPG compressed to maximum quality. Recommended Usage might be "print maximum quality" and/or "web publishing". • If the characteristics of the external file are mpg, Recommended Usage might be "web publishing". As this value may not be the same for all digital assets, this attribute should be linked to a specific URL.
Attribute	fileRightsDescription	Description1000	0..*	The structure for Digital Rights Management (DRM) which is in place on the file. This could be ID and location of external Intellectual Property Management & Protection (IPMP) system for lookup of usage rights. Presence of a value for this attribute signifies that the file uses a DRM.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	fileUsageRestriction	Description1000	0..*	A description of any restrictions on the ability of the recipient's to use of the asset.
Attribute	intendedPublicationCountryCode	CountryCode	0..*	The country/countries in which the digital asset is designed to be used.
Attribute	intendedPublicationMediaTypeDescription	Description1000	0..*	The media types with which the digital asset was designed to be utilized, such as Web, Catalogue, Circular among others.
Attribute	isFileForInternalUseOnly	NonBinaryLogicEnumeration	0..1	An indicator whether or not the file is intended for internal use only and not for general publication.
Attribute	isTalentReleaseOnFile	NonBinaryLogicEnumeration	0..1	An indicator whether or not the owner of the asset has a talent release on file. This applies to files where talent or a model is used.

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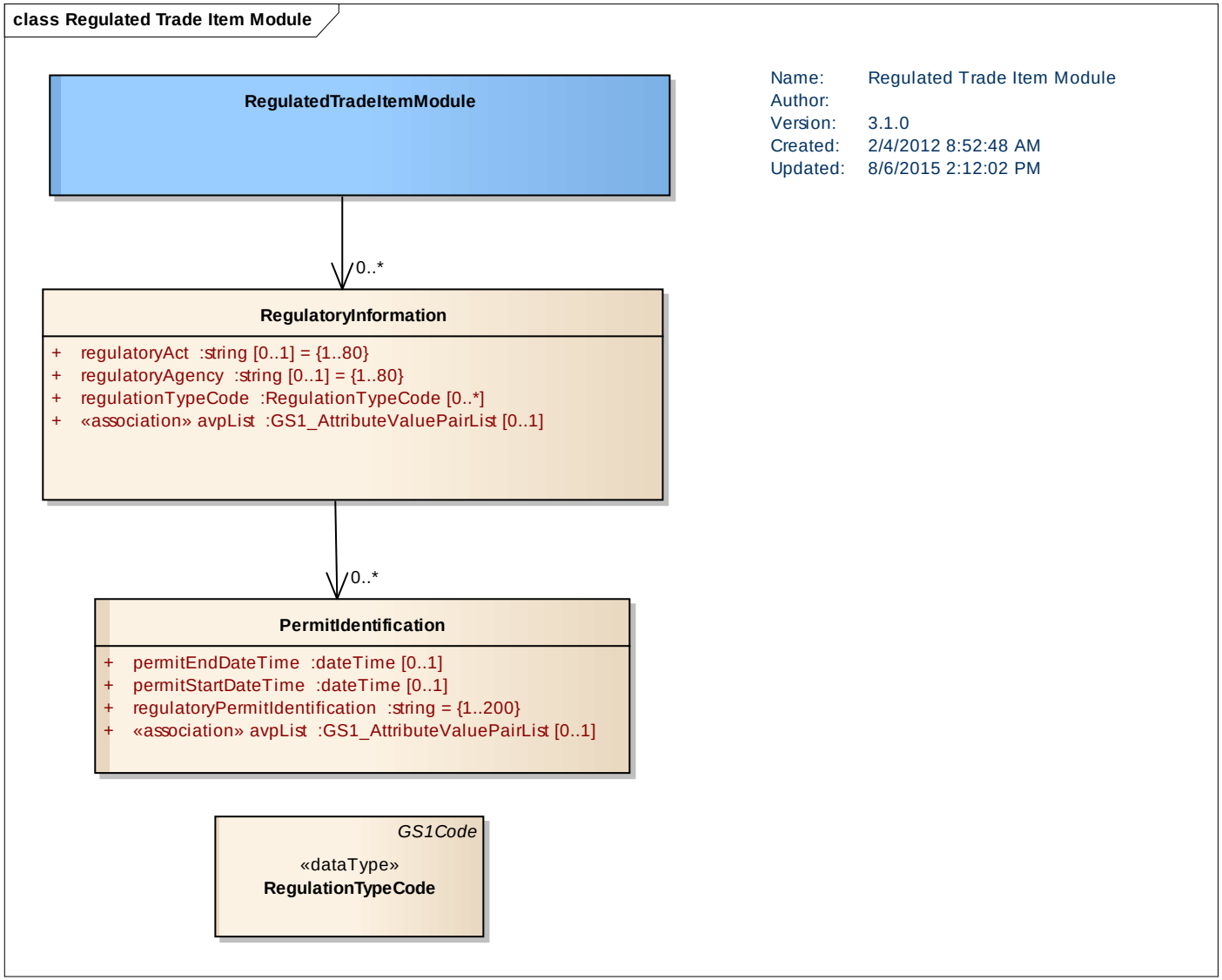
5.49. Regulated Trade Item Module



Name: Regulated Trade Item Module
Author:
Version: 3.1.0
Created: 2/4/2012 8:52:48 AM
Updated: 8/6/2015 2:12:02 PM

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content	attribute / role	datatype /secondary class	multiplicity	definition
RegulatedTradeItemModule				A module containing Information on applicable government regulations a trade item is in compliance with.
Association		RegulatoryInformation	0..*	Information on applicable government regulations a trade item is in compliance with.
PermitIdentification				Contains the information regarding the permit identification.
Attribute	permitEndDateTime	dateTime	0..1	The date on which the permit expires.
Attribute	permitStartDateTime	dateTime	0..1	The start date on which the permit is effective.
Attribute	regulatoryPermitIdentification	string	1..1	Identification of the permit or license given by the regulatory agency.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
RegulatoryInformation				Information on applicable government regulations a trade item is in compliance with.
Association		PermitIdentification	0..*	Permit information for a regulation.
Attribute	regulatoryAct	string	0..1	The name given to the requirement assigned by the regulatory agency.
Attribute	regulatoryAgency	string	0..1	The required information is the name of the specific entity in charge of issuing the permit to a company.
Attribute	regulationTypeCode	RegulationTypeCode	0..*	A code that indicates that a trade item is in compliance with specific applicable government regulations.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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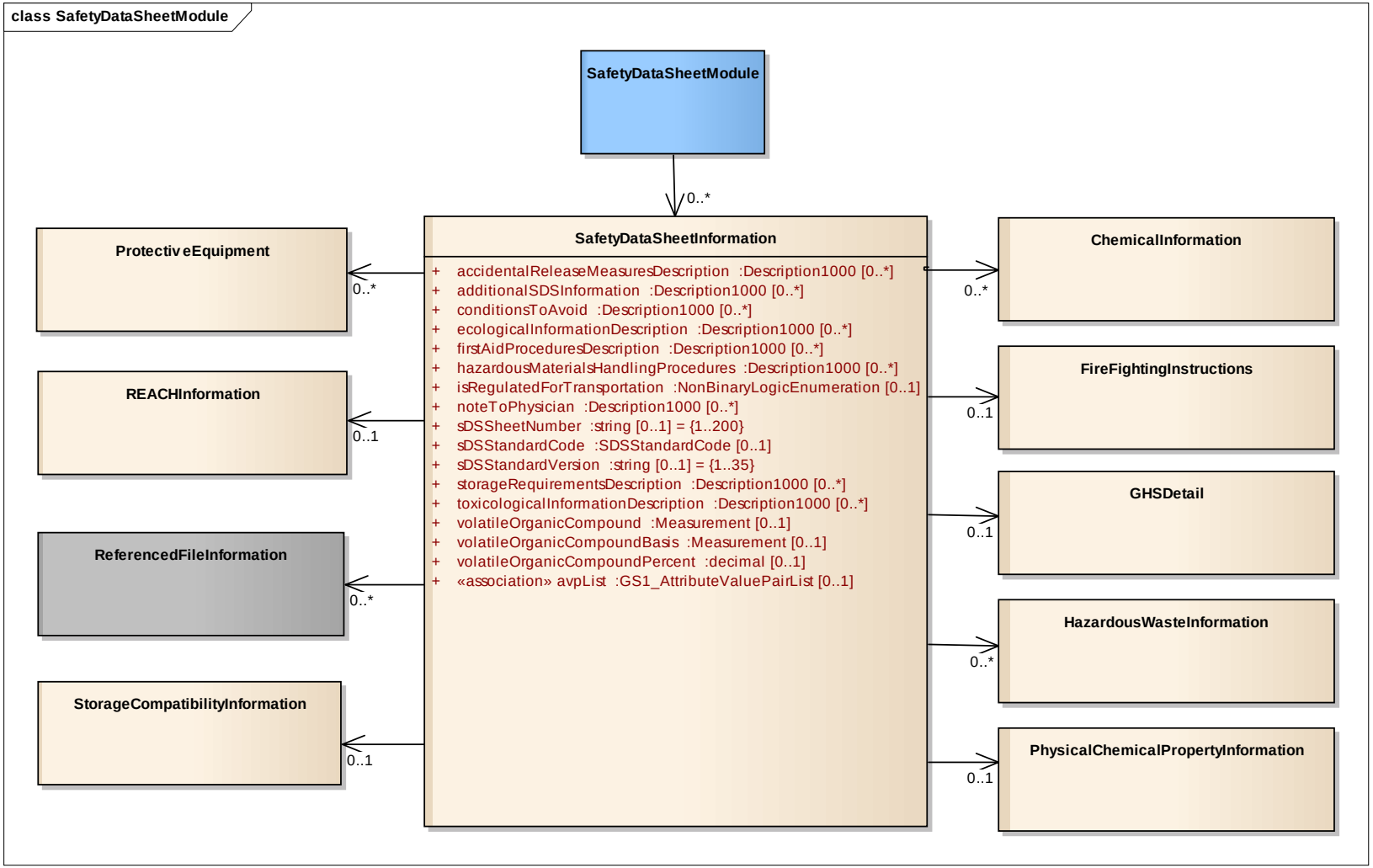
5.50. Safety Data Sheet Module



Note: Common class (in grey) is located in the GDSN Common Library.

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content	attribute / role	datatype /secondary class	multiplicity	definition
SafetyDataSheetModule				A module containing information usually contained on a safety data sheet or on a material safety data sheet as it is referred to in some target markets.
Association		SafetyDataSheetInformation	0..*	Trade item information usually contained on a safety data sheet or on a material safety data sheet as it is referred to in some target markets.
SafetyDataSheetInformation				Trade item information usually contained on a safety data sheet or on a material safety data sheet as it is referred to in some target markets.
Association		PhysicalChemicalPropertyInformation	0..1	Physical or chemical property information expressed on an SDS/MSDS.
Association		ChemicalInformation	0..*	Chemical Information expressed on an SDS/MSDS.
Association		GHSDetail	0..1	Information on GHS for a safety data sheet.
Association		HazardousWasteInformation	0..*	Hazardous waste information expressed on an SDS/MSDS.
Association		REACHInformation	0..1	REACH information expressed on an SDS/MSDS.
Association		ProtectiveEquipment	0..*	Protective equipment recommended for a chemical.
Association		ReferrencedFileInformation	0..*	Referenced File information for an SDS/MSDS.
Association		StorageCompatibilityInformation	0..1	Storage compatibility information expressed on an SDS/MSDS.
Association		FireFightingInstructions	0..1	Fire fighting information expressed on an SDS/MSDS.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	accidentalReleaseMeasuresDescription	Description1000	0..*	A description of the method of clean-up or pick up for example Chemtrack number in relation to any hazardous materials regulated by ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	additionalSDSInformation	Description1000	0..*	A description field for other information regarding the MSDS that is not in the other sections. For example, additional contact information, or sustainability statement, other information.
Attribute	conditionsToAvoid	Description1000	0..*	Conditions, environments, or other chemicals that when mixed with a product can cause an adverse reaction. For example exposing acids to bases.
Attribute	ecologicalInformationDescription	Description1000	0..*	Any information required on the SDS/MSDS in relationship to any effect of the chemical on the environment.
Attribute	firstAidProceduresDescription	Description1000	0..*	A description of any first aid procedures necessary in case of exposure. Note: This is used in compliance with ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).
Attribute	hazardousMaterialsHandlingProcedures	Description1000	0..*	Hazardous materials handling procedures are a description of how the product should be handled in relation to potential hazardous materials for example “do not handle around food, avoid contact with eyes, keep container closed.
Attribute	isRegulatedForTransportation	NonBinaryLogicEnumeration	0..1	An indicator whether the Trade Item is regulated for shipment by any agency.
Attribute	noteToPhysician	Description1000	0..*	A description of any measures a physician should take to treat patient for exposure for example "exposure may cause cardio irritability and what drugs not to be given in relation to any hazardous materials. This requested for hazardous materials regulated by ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).
Attribute	sDSSheetNumber	string	0..1	Manufacturer's identification number for the safety data sheet for a trade item.
Attribute	sDSStandardCode	SDSStandardCode	0..1	A code describing the standard used to create the MSDS that is pointed to in the SDS URL.
Attribute	sDSStandardVersion	string	0..1	The version of the standard used to create the MSDS that is pointed to in the SDS URL.
Attribute	storageRequirementsDescription	Description1000	0..*	A description how to safely store the Trade Item for example cool, dry, not near flame, adequate ventilation.
Attribute	toxicologicalInformationDescription	Description1000	0..*	A general description of any information on any toxic properties as included on the MSDS for example precautionary text on a label. This text should describe the key issues with the product in regards to toxicity.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	volatileOrganicCompound	Measurement	0..1	Volatile Organic Compound is the amount of an item that is a volatile organic compound expressed as a measurement. Volatile is where the compound can evaporate or vaporize into the atmosphere.
Attribute	volatileOrganicCompoundBasis	Measurement	0..1	The basis measurement for a Volatile Organic Compound when expressed as an amount for example 1 L in the case of 5 ML per 1 LT.
Attribute	volatileOrganicCompoundPercent	decimal	0..1	Volatile Organic Compound by weight is the percentage of an item that is a volatile organic compound. Volatile is where the compound can evaporate or vaporize into the atmosphere.

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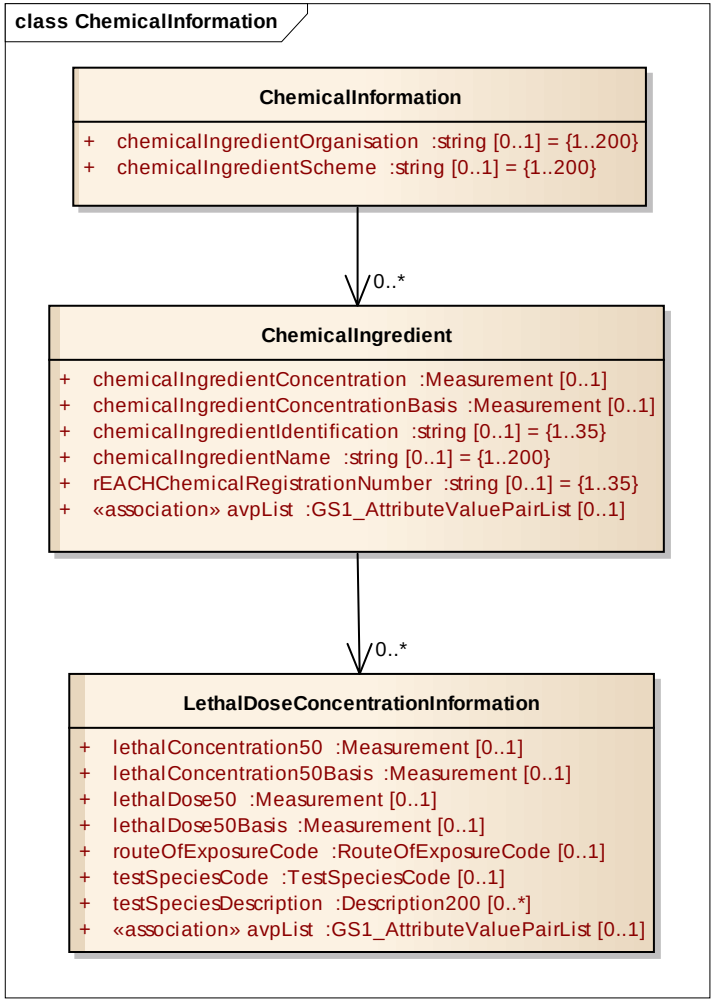

content	attribute / role	datatype /secondary class	multiplicity	definition
ChemicalInformation				Detailed information on any chemical ingredients contained within the trade item.
Association		ChemicalIngredient	0..*	Chemical ingredient details for a specific chemical ingredient.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	chemicalIngredientOrganisation	string	0..1	An organization managing a chemical ingredient identification scheme.
Attribute	chemicalIngredientScheme	string	0..1	A managed list of chemical ingredient identifications for example CAS.
ChemicalIngredient				Chemical ingredient details for a specific chemical ingredient.
Association		LethalDoseConcentrationInformation	0..*	Lethal Dose and lethal concentration details for a chemical ingredient.
Attribute	chemicalIngredientConcentration	Measurement	0..1	The percentage of a chemical ingredient in relation to the total composition of the product.
Attribute	chemicalIngredientConcentrationBasis	Measurement	0..1	The basis amount used to express the chemical ingredient concentration.
Attribute	chemicalIngredientIdentification	string	0..1	A unique number to identify a chemical used to cross reference regulated lists of chemicals for example CAS number.
Attribute	chemicalIngredientName	string	0..1	The common name of the chemical ingredient.
Attribute	rEACHChemicalRegistrationNumber	string	0..1	A unique registration number for a chemical for a company. This is issued by the European Chemical Agency (ECHA) and is unique per chemical.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
LethalDoseConcentrationInformation				Details on any lethal dose or concentration of a chemical in a trade item.
Attribute	lethalConcentration50	Measurement	0..1	Median Lethal Concentration is a statistically derived concentration of a substance that can be expected to cause death in 50% of test animals. It is usually expressed as the weight of substance per weight or volume of water, air or feed, e.g., mg/l, mg/kg or ppm.
Attribute	lethalConcentration50Basis	Measurement	0..1	The basis measurement for the measurement of Median Lethal Concentration for example 1 LT in the ratio 10 MG/1 LT .

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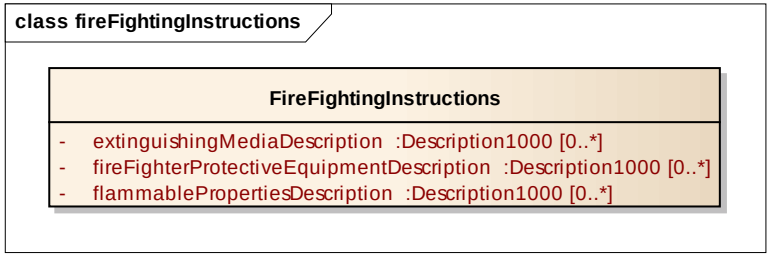
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	lethalDose50	Measurement	0..1	Lethal Dose 50 is a statistically derived single dose that can be expected to cause death in 50% of the test animals when administered by the route indicated (oral, dermal, inhalation). It is expressed as a weight of substance per unit weight of animal, e.g., mg/kg.
Attribute	lethalDose50Basis	Measurement	0..1	The basis measurement for the measurement of a Lethal Dose for example 1 LT in the ratio 10 MG/1 LT.
Attribute	routeOfExposureCode	RouteOfExposureCode	0..1	The means by which living organisms can come into contact with a hazardous substance for example dermal, Inhalation, ingestion.
Attribute	testSpeciesCode	TestSpeciesCode	0..1	The species of animal that was used for determining LC and LD 50 expressed as a code for example RAT.
Attribute	testSpeciesDescription	Description200	0..*	A description of any species of animal that was used for determining LC and LD other than the norm.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.



content	attribute / role	datatype /secondary class	multiplicity	definition
FireFightingInstructions				Any instructions on how to handle a fire related to a specific trade item.

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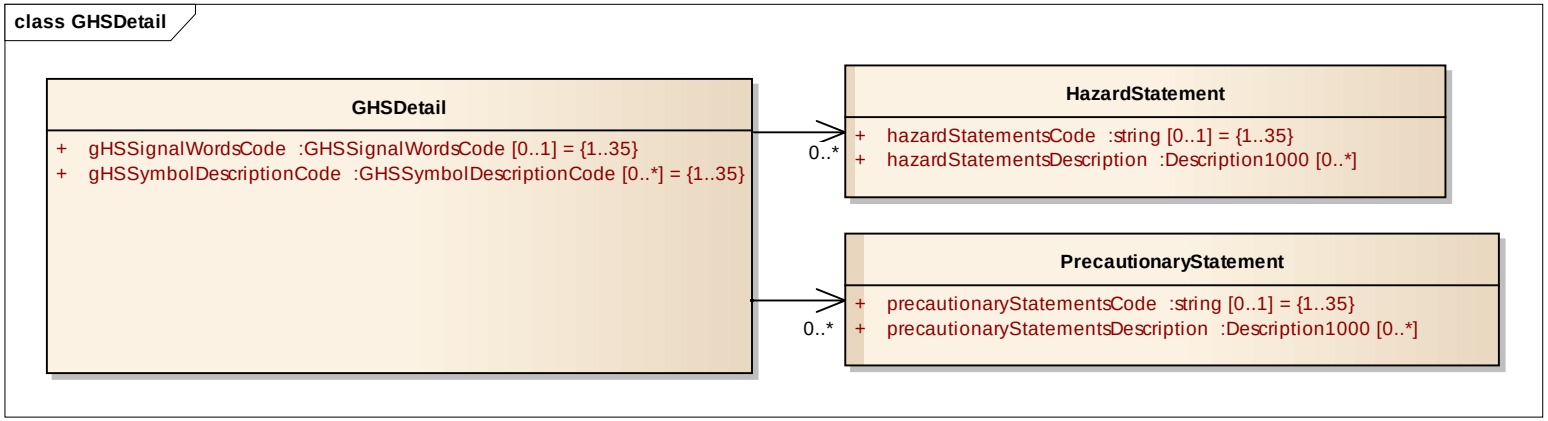
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	extinguishingMediaDescription	Description1000	0..*	A description of any substance that can be used to extinguish a fire, carbon dioxide, water etc in relation to any hazardous materials for example those regulated by ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road). Allows for the representation of the same value in different languages but not multiple values.
Attribute	fireFighterProtectiveEquipmentDescription	Description1000	0..*	A description of any equipment recommended to be used by fire fighters for protection for example scuba gear, bunker gear, protective equipment in relation to any hazardous materials for example those regulated by ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road). Allows for the representation of the same value in different languages but not multiple values.
Attribute	flammablePropertiesDescription	Description1000	0..*	A description of any properties related to the ability of a substance to catch fire for example auto-ignition temperature, flashpoint, LEL, UEL in relation to any hazardous materials for example those regulated by ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).



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content	attribute / role	datatype /secondary class	multiplicity	definition
GHSDetail				Details related to the Globally Harmonized System of Classification and Labelling of Chemicals.
Association		HazardStatement	0..*	Standard phrases describing the nature of a hazard per GHS. Recommend to use GHS Fifth Revised Edition.
Association		PrecautionaryStatement	0..*	Measures listed on a hazardous label to minimize or prevent adverse effects related to GHS. Recommend to use GHS Fifth Revised Edition.
Attribute	gHSSignalWordsCode	GHSSignalWordsCode	0..1	Words such as "Danger" or "Warning" used to emphasize hazards and indicate the relative level of severity of the hazard. For GHS these are assigned to a GHS hazard class and category. Some lower level hazard categories do not use signal words.
Attribute	gHSSymbolDescriptionCode	GHSSymbolDescriptionCode	0..*	A code depicting the symbols which convey health, physical and environmental hazard information, assigned to a hazard class and category for example GHS. Pictograms include the harmonized hazard symbols plus other graphic elements, such as borders, background patterns or colours that are intended to convey specific information. Examples of all the pictograms and downloadable files for GHS can be accessed on the UN website for the GHS.
HazardStatement				Standard phrases describing the nature of a hazard per GHS.
Attribute	hazardStatementsCode	string	0..1	Standard phrases assigned to a hazard class and category that describe the nature of the hazard for example H200.
Attribute	hazardStatementsDescription	Description1000	0..*	A description of standard phrases assigned to a hazard class and category that describe the nature of the hazard.
Precautionary Statement				Measures listed on a hazardous label to minimize or prevent adverse effects related to GHS.
Attribute	precautionaryStatementsCode	string	0..1	Measures listed on a hazardous label to minimize or prevent adverse effects. For GHS, the precautionary statements have been linked to each GHS hazard statement and type of hazard. Precautionary statements for GHS cover prevention, response in cases of accidental spillage or exposure, storage, and disposal..
Attribute	precautionaryStatementsDescription	Description1000	0..*	A description of the measures listed on a hazardous label to minimize or prevent adverse effects.

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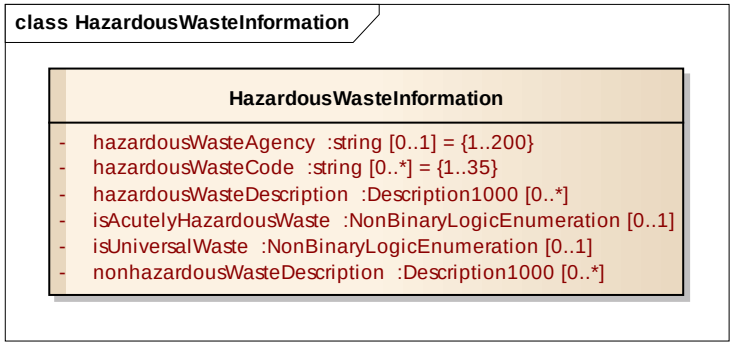

content	attribute / role	datatype /secondary class	multiplicity	definition
HazardousWasteInformation				Information on the hazardous waste classification for a trade item.
Attribute	hazardousWasteAgency	string	0..1	The Agency for the Classification of Hazardous Waste. The specific hazardous waste code for the federal or state regulation that applies to the product for example US EPA.
Attribute	hazardousWasteCode	string	0..*	A classification of hazardous waste managed at the federal or state level for example EPA Hazardous Waste Code of D001 (Ignitable waste).
Attribute	hazardousWasteDescription	Description1000	0..*	A description of the classification of hazardous waste managed at the federal or state level for example EPA Hazardous Waste Code of D001 (Ignitable waste).
Attribute	isAcutelyHazardousWaste	NonBinaryLogicEnumeration	0..1	An indicator whether or not the Trade Item contains wastes that would cause death, disabling personal injury, or serious illness. These wastes are more hazardous than ordinary hazardous wastes.
Attribute	isUniversalWaste	NonBinaryLogicEnumeration	0..1	Indicates if a product can be considered universal waste. Universal waste is defined as "are wastes that do not meet the regulatory definition of hazardous waste, but are managed under special, tailored regulations"
Attribute	nonHazardousWasteDescription	Description1000	0..*	A classification of non-hazardous waste managed at the federal or state level for example a code for disposal of latex paint.

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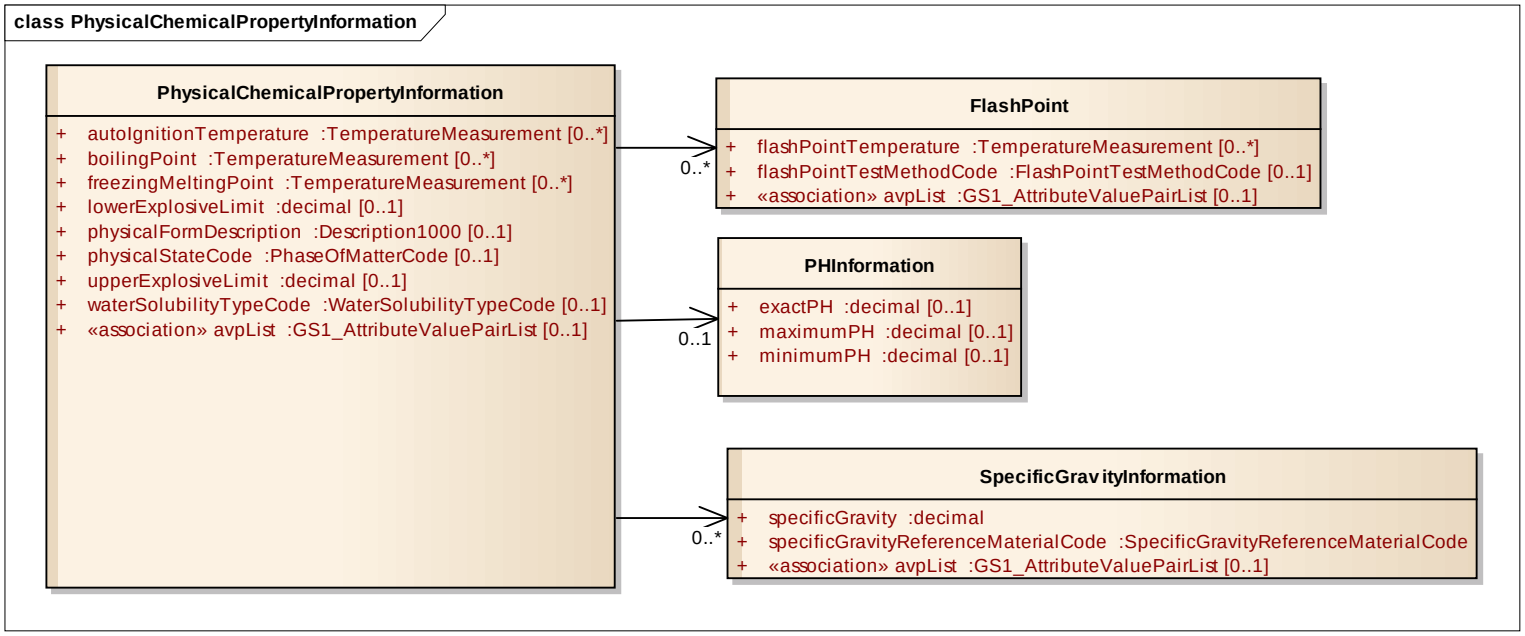

content	attribute / role	datatype /secondary class	multiplicity	definition
PHInformation				PH is defined as the acidity or alkalinity of an aqueous solution. It is defined as the logarithm of the reciprocal of the hydrogenion concentration of a solution. pH= log10 1/[H+].
Attribute	exactPH	Decimal	0..1	The exact PH amount for a chemical ingredient (not a range).
Attribute	maximumPH	Decimal	0..1	The maximum range for PH.
Attribute	minimumPH	Decimal	0..1	The minimum range value for PH.
PhysicalChemicalPropertyInformation				Information on Physical or Chemical Properties for a trade item for example water solubility.
Association		PHInformation	0..1	PH is defined as the acidity or alkalinity of an aqueous solution. It is defined as the logarithm of the reciprocal of the hydrogenion concentration of a solution. pH= log10 1/[H+].
Association		Flashpoint	0..*	Details on the flash point for a trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		SpecificGravityInformation	0..*	Specific Gravity Information for a trade item.
Attribute	autoIgnitionTemperature	TemperatureMeasurement	0..*	The lowest temperature at which it will spontaneously ignite in a normal atmosphere without an external source of ignition
Attribute	boilingPoint	TemperatureMeasurement	0..*	The temperature of a liquid at which its vapour pressure is equal to or very slightly greater than the atmospheric pressure of the environment. Note: (For water at sea level it is 100°C (212°F).
Attribute	freezingMeltingPoint	TemperatureMeasurement	0..*	The temperature at which its crystals are in equilibrium with the liquid phase at atmospheric pressure.
Attribute	lowerExplosiveLimit	Decimal	0..1	The low end value expressed as a percent by volume that the mixture is still flammable.
Attribute	physicalFormDescription	Description1000	0..1	A description of the form of the product for example gas, liquid, powder. Colorless, Fragrant, Liquid in relation to any hazardous materials.
Attribute	physicalStateCode	PhaseOfMatterCode	0..1	Any physical state a chemical ingredient may be in for example LIQUID.
Attribute	upperExplosiveLimit	Decimal	0..1	The high end value expressed as a percent by volume that the product will still explode.
Attribute	waterSolubilityTypeCode	WaterSolubilityTypeCode	0..1	Water solubility is defined as a code indicating solubility in respect to water. Solubility is the ability of a given substance to dissolve in a solvent.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
FlashPoint				Details on the lowest temperature at which a substance gives off a sufficient vapor to support combustion.
Attribute	flashPointTemperature	TemperatureMeasurement	0..*	The lowest temperature at which a substance gives off a sufficient vapor to support combustion. This uses a measurement consisting of a unit of measure and value.
Attribute	flashPointTestMethodCode	FlashPointTestMethodCode	0..1	The test method used to determine the flash point temperature for example closed cup.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
SpecificGravityInformation				Specific Gravity is defined as the ratio of the density of a substance to the density of a reference substance. It is an abstract number that is unrelated to any units.

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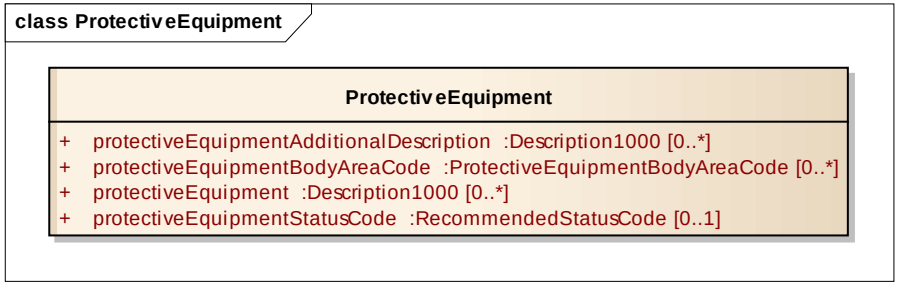
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	specificGravity	Decimal	1..1	Specific Gravity is defined as the ratio of the density of a substance to the density of a reference substance expressed as a float. It is an abstract number that is unrelated to any units.
Attribute	specificGravityReferenceMaterialCode	SpecificGravityReferenceMaterialCode	1..1	The reference material used within the ratio for specific gravity for example water or air.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.



content	attribute / role	datatype /secondary class	multiplicity	definition
ProtectiveEquipment				Information on any recommended protective equipment.
Attribute	protectiveEquipmentAdditionalDescription	Description1000	0..*	Additional information regarding when protective equipment is recommended or required.
Attribute	protectiveEquipment	Description1000	0..*	The manufacturer recommended protective equipment for example protective clothing, helmets, goggles, or other garment designed to protect the wearer's body from chemical exposure.
Attribute	protectiveEquipmentStatusCode	RecommendedStatusCode	0..1	A code determining whether the protective equipment is recommended or required.
Attribute	ProtectiveEquipmentBodyAreaCode	ProtectiveEquipmentBodyAreaCode	0..*	A code determining the part of the body the protective equipment is meant to protect for example EYE

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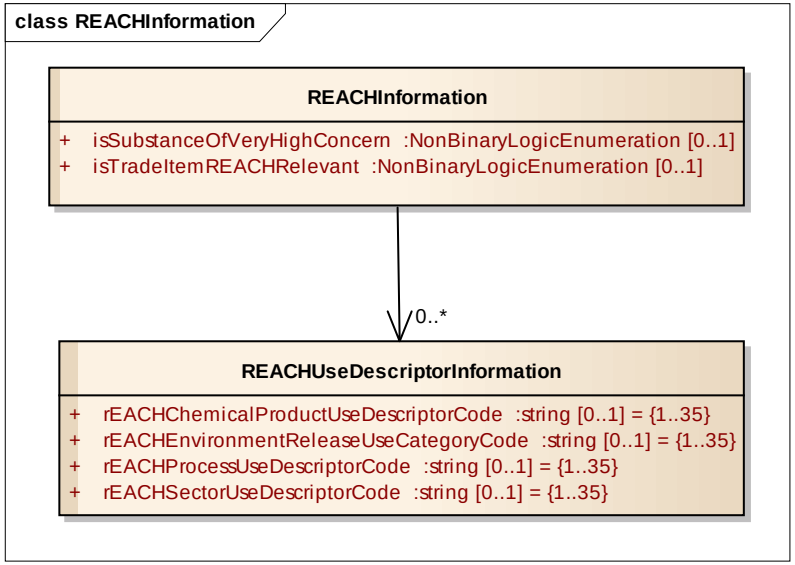

content	attribute / role	datatype /secondary class	multiplicity	definition
REACHInformation				Information on the Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
Association		REACHUseDescriptorInformation	0..*	Details on the trade item in relation to REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals). REACH is a European Union Regulation addressing the production and use of chemical substances and their potential impacts on both human health and the environment.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	isSubstanceOfVeryHighConcern	NonBinaryLogicEnumeration	0..1	An indicator that a trade item contains substances of very high concern (SVHC) according to REACH as defined in as defined in Article 57 of Regulation (EC) No 1907/2006. This indication does not mean the contained substance or substances have been added to the REACH Candidate List. Substances of very high concern (SVHC) are defined as: •Substances that are category 1 and 2 carcinogens, mutagens or toxic to the reproductive system (CMR) •Substances that are persistent, bio-accumulative and toxic (PBT) or very persistent and very bio-accumulative (vPvB) •Substances such as endocrine disrupters, which are demonstrated to be of equivalent concern. For these substances, there are specific requirements under the REACH Regulation.
Attribute	isTradeItemREACHRelevant	NonBinaryLogicEnumeration	0..1	An indicator that the trade item may have ingredients that subject it to REACH.
REACHUseDescriptorInformation				Details on the trade item in relation to REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals). REACH is a European Union Regulation addressing the production and use of chemical substances and their potential impacts on both human health and the environment.
Attribute	rEACHChemicalProductUseDescriptorCode	string	0..1	The types of preparations (mixtures) the substance is contained in end-use. An example of a Reach Chemical Product Descriptor is PC1: Adhesives, sealants.
Attribute	rEACHEnvironmentReleaseUseCategoryCode	string	0..1	The broad conditions of use from the environmental perspective. An example of a REACH Environment Release Category is ERC 3 Formulation in materials.
Attribute	rEACHProcessUseDescriptorCode	string	0..1	The technical process or application in which the substance is used from an occupational perspective. An example of a REACH Process Use Descriptor is PROC 7 Industrial Spraying.

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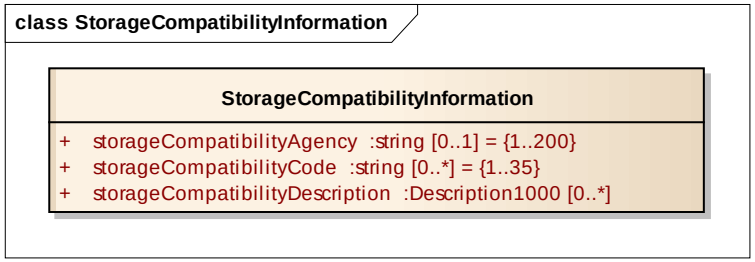
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	rEACHSectorUseDescriptorCode	string	0..1	The sector of the economy the substance is used. Use includes manufacture in the chemical industry, mixing of substances at formulator's level as well as industrial, professional and consumer end-uses. An example of a REACH Sector Use Descriptor is SU4 Manufacture of food products.



content	attribute / role	datatype /secondary class	multiplicity	definition
StorageCompatibilityInformation				Information on the types of materials that this product cannot be stored with.
Attribute	storageCompatibilityAgency	string	0..1	The agency which maintains a list of storage compatibilities for example NFPA.
Attribute	storageCompatibilityCode	string	0..*	A storage compatibilities expressed as a code.
Attribute	storageCompatibilityDescription	Description1000	0..*	The types of materials that this product cannot be stored with. Incompatible chemicals give an undesired chemical reaction when mixed. This usually refers to substances that will react to cause an imminent threat to health and safety through an explosion, fire, and/or formation of toxic materials.

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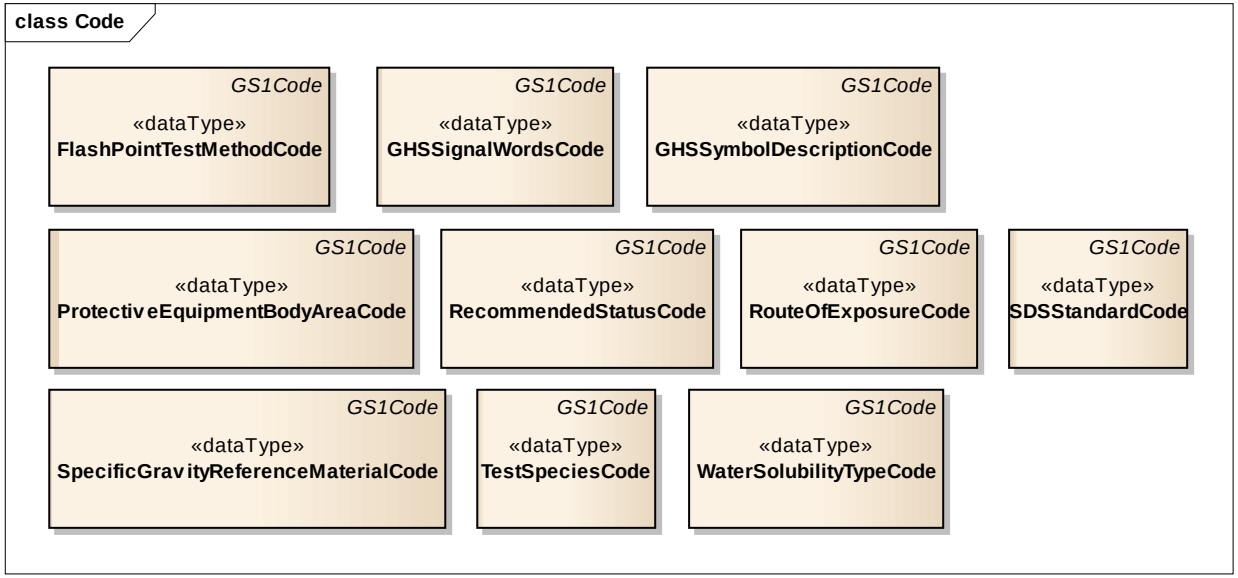

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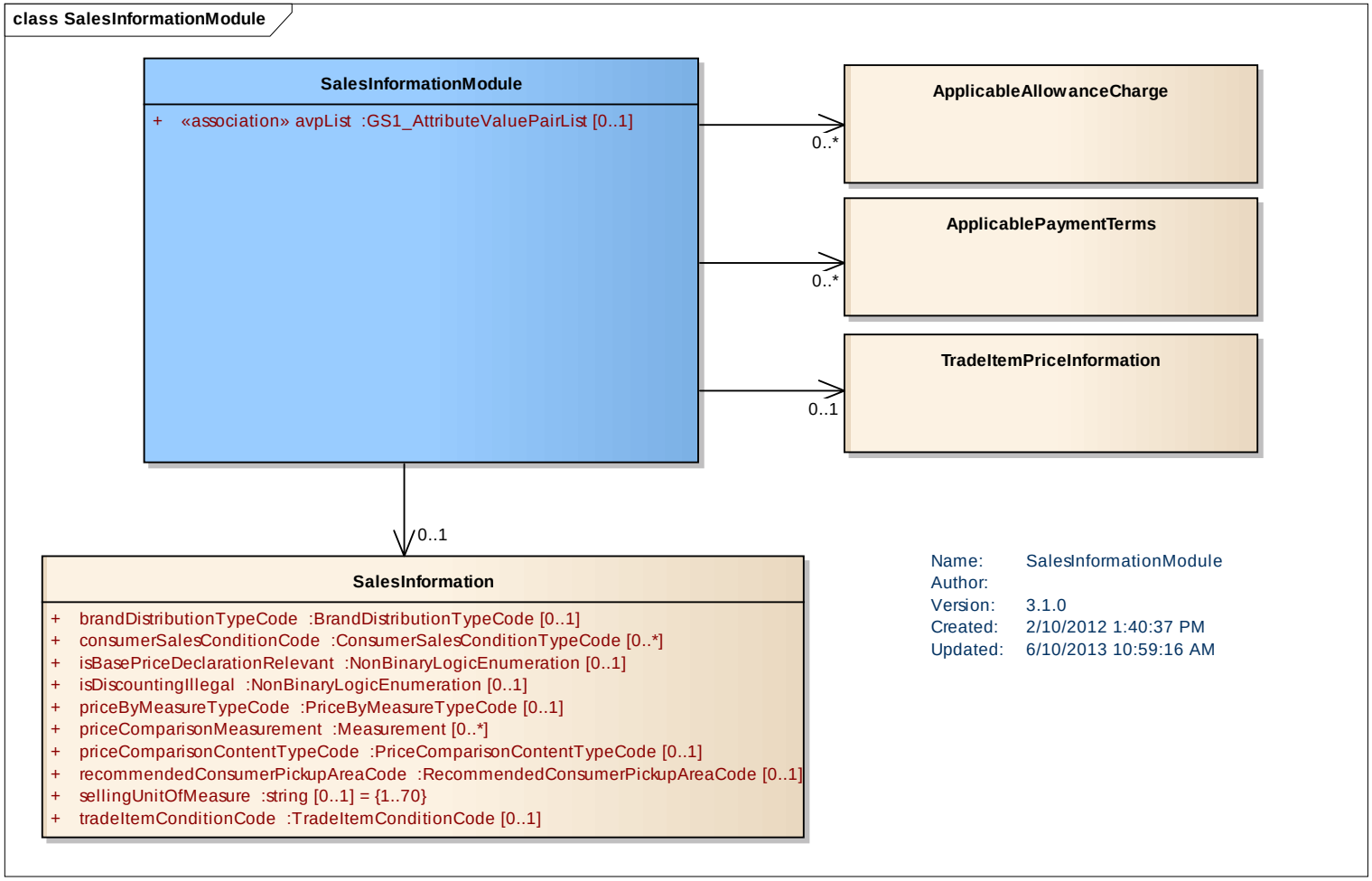
5.51. Sales Information Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
SalesInformation				Restrictions or requirements on the retailer for sales of the Trade Item to the consumer.
Attribute	brandDistributionTypeCode	BrandDistributionTypeCode	0..1	Any restrictions imposed on the Trade Item on how it can be sold to the consumer or recipient trading partner.
Attribute	consumerSalesConditionCode	ConsumerSalesConditionTypeCode	0..*	A code depicting restrictions imposed on the Trade Item regarding how it can be sold to the consumer for example Prescription Required.
Attribute	isBasePriceDeclarationRelevant	NonBinaryLogicEnumeration	0..1	An indicator whether this item is mandated to have price comparison information included according to country specific pricing directives.
Attribute	isDiscountingIllegal	NonBinaryLogicEnumeration	0..1	An indicator whether or not the product is not legal to discount within a given target market (i.e. the product is subject to government regulation regarding either price floors or pricing practices).
Attribute	priceByMeasureTypeCode	PriceByMeasureTypeCode	0..1	Indicator to show how a product is sold.
Attribute	priceComparisonMeasurement	Measurement	0..*	The quantity of the product at usage. Applicable for concentrated products and products where the comparison price is calculated based on a measurement other than netContent. This field is dependent on the population of priceComparisonContentType and is required when priceComparisonContentType is used.
Attribute	priceComparisonContentTypeCode	PriceComparisonContentTypeCode	0..1	Code indicating how the value in Price Comparison Measurement is used to calculate the comparative price, which is printed on shelf labels.
Attribute	recommendedConsumerPickupAreaCode	RecommendedConsumerPickupAreaCode	0..1	The recommended placement for the consumer purchase decision point of the item and location within the retail store . For example a potato salad bulk my need to be portioned to a consumer at a service counter as the purchase amount is dependent on what the consumer would like to purchase.
Attribute	sellingUnitOfMeasure	string	0..1	Describes the measurement used for selling unit of the Trade Item to the end consumer. A Trade Item may have only one Unit of Measure.

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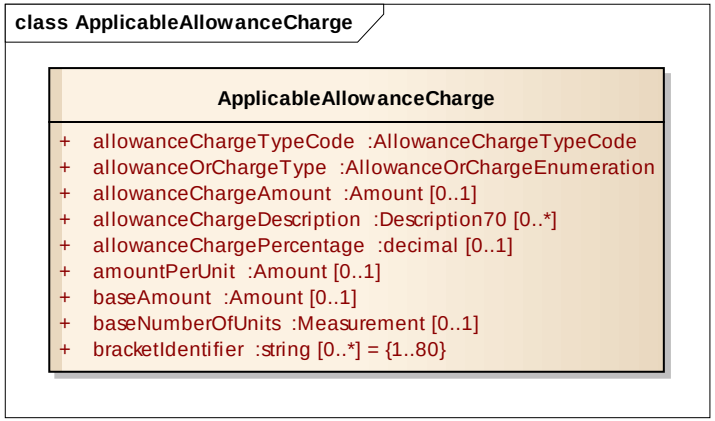
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	tradeItemConditionCode	tradeItemConditionCode	0..1	A code depicting the type of preparation that a trade item will have before being sold to the end consumer (e.g. cut for sale, portioned/pieced). This preparation can be done either by the supplier or the retailer or other parties involved. The style of preparation may be determined by either industry standards, the supplier or the retailer.
SalesInformationModule				Sales information regarding price and selling conditions/ restrictions of the Trade Item to the consumer.
Association		ApplicableAllowanceCharge	0..*	Specifies allowances and charges applicable to a trade item.
Association		ApplicablePaymentTerms	0..*	Payment terms and conditions by which a payment can be made for a trade item.
Association		SalesInformation	0..1	Restrictions or requirements on the retailer for sales of the Trade Item to the consumer.
Association		TradeItemPriceInformation	0..1	Provides Price details including effective dates.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.



content	attribute / role	datatype /secondary class	multiplicity	definition
ApplicableAllowanceCharge				Specifies allowances and charges applicable to a trade item.

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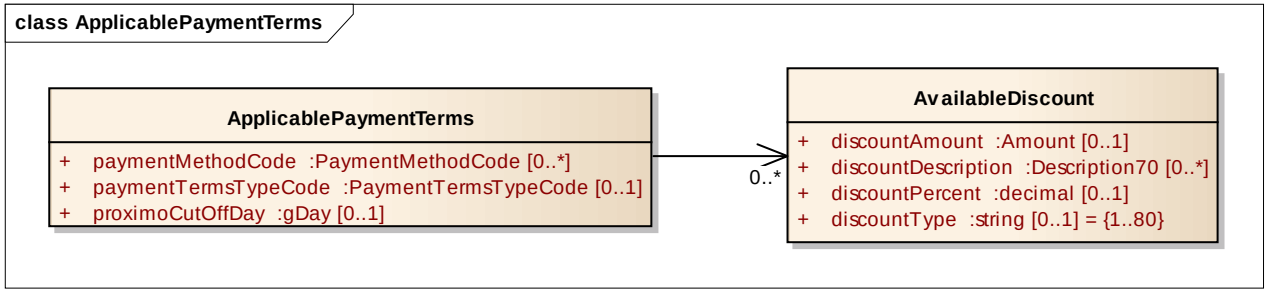
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	AllowanceChargeTypeCode	allowanceChargeTypeCode	1..1	The identification of an allowance charge selected from a predefined list.
Attribute	AllowanceOrChargeType	allowanceOrChargeTypeEnumeration	1..1	Code specifying whether this is an allowance or a charge.
Attribute	allowanceChargeAmount	Amount	0..1	Amount of allowance or charge applicable.
Attribute	allowanceChargeDescription	Description70	0..*	A text explanation of the allowance or charge.
Attribute	allowanceChargePercentage	Decimal	0..1	Allowance and charges can be expressed in different ways. By using percentage, they are expressed as a percentage of another amount, e.g. the base amount.
Attribute	amountPerUnit	Amount	0..1	Allowance/charge per unit expressed as an amount.
Attribute	baseAmount	Amount	0..1	The amount on which the calculation of the allowance or charge is based.
Attribute	baseNumberOfUnits	Measurement	0..1	Number of units on which the allowance or charge is based.
Attribute	bracketIdentifier	String	0..*	Identification of the conditions that apply to the allowance or charge.



content	attribute / role	datatype /secondary class	multiplicity	definition
ApplicablePaymentTerms				Payment terms and conditions by which a payment can be made for a trade item.

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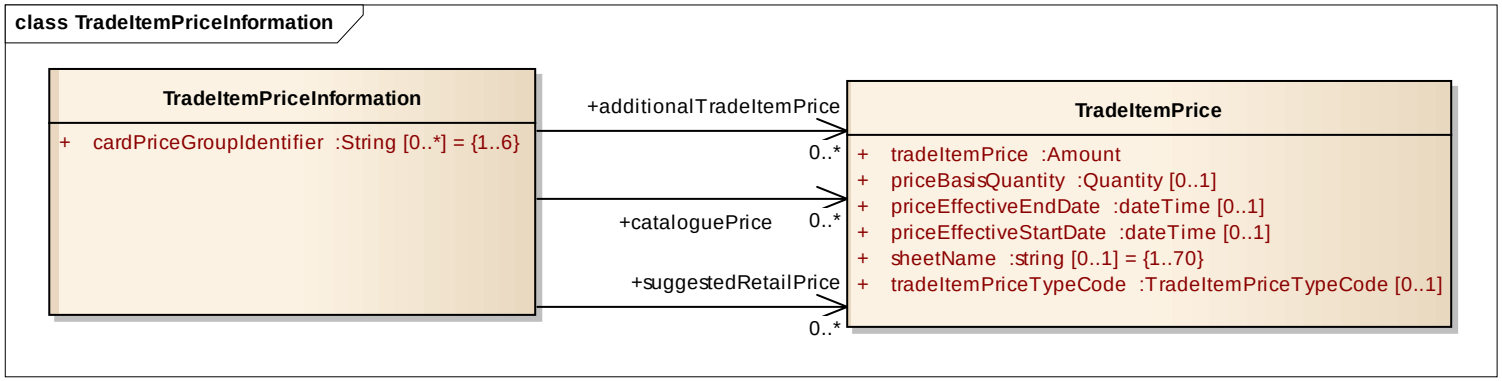
content	attribute / role	datatype /secondary class	multiplicity	definition
Association		AvailableDiscount	0..*	Additional information on discounts that may be applied to the payment depending on the way the payment is being made for example “2 percent in 10 days, net 30”.
Attribute	paymentMethodCode	PaymentMethodCode	0..*	The payment method used in the payment terms.
Attribute	paymentTermsTypeCode	PaymentTermsTypeCode	0..1	The type of payment term expressed as a code for example DISCOUNT.
Attribute	proximoCutOffDay	gDay	0..1	The day of the month the payment becomes due.
AvailableDiscount				Information on a discount specified in a payment term. Information on discounts that may be applied to the payment depending on the way the payment is being made for example “2 percent in 10 days, net 30”.
Attribute	discountAmount	amount	0..1	The deduction represented as an amount .
Attribute	discountDescription	Description70	0..*	A text field describing the discount.
Attribute	discountPercent	decimal	0..1	The deduction represented as a percentage.
Attribute	discountType	string	0..1	A string value that specifies the type of payment discount for example “2 percent in 10 days, net 30”.



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content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemPrice				Provides Price details including effective dates.
Attribute	tradeItemPrice	Amount	1..1	Provides the trade item price value.
Attribute	priceBasisQuantity	quantity	0..1	The price basis quantity is the associated quantity of trade item for which a price is given.
Attribute	priceEffectiveEndDate	dateTime	0..1	The effective end date of the price is optional based upon the agreement by the trading partners. If an invalid end date is communicated, then it is implied that the price and its effective date are effective until further notice. Examples of invalid dates include 99/99/9999, 00/00/0000, blank, etc. These invalid end dates should not be communicated. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, last order date, last ship date, and last arrival date.
Attribute	priceEffectiveStartDate	dateTime	0..1	This is the effective start date of the price agreed to by the trading partners. This start date is mandatory and, if no end date is communicated, then implies that the price is effective until further notice. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, first order date, first ship date, and first arrival date.
Attribute	sheetName	string	0..1,	The Price Sheet to which a price belongs. A price list is a list of prices of goods and services which are to be used or supplied during a period of time.
Attribute	tradeItemPriceTypeCode	TradeItemPriceTypeCode	0..1	The type price for the item for example catalogue price
TradeItemPriceInformation				Provides Price details including effective dates.
Association	additionalTradeItemPrice	TradeItemPrice	0..*,	Provides Price details including effective dates.
Association	cataloguePrice	TradeItemPrice	0..*	The gross price before application of any discounts, allowances, charges, taxes, etcetera. The value represented is the price that the manufacturer expects to receive for the trade item or service from any buyer prior to any relationship specific negotiations (E.g. a public catalogue population).

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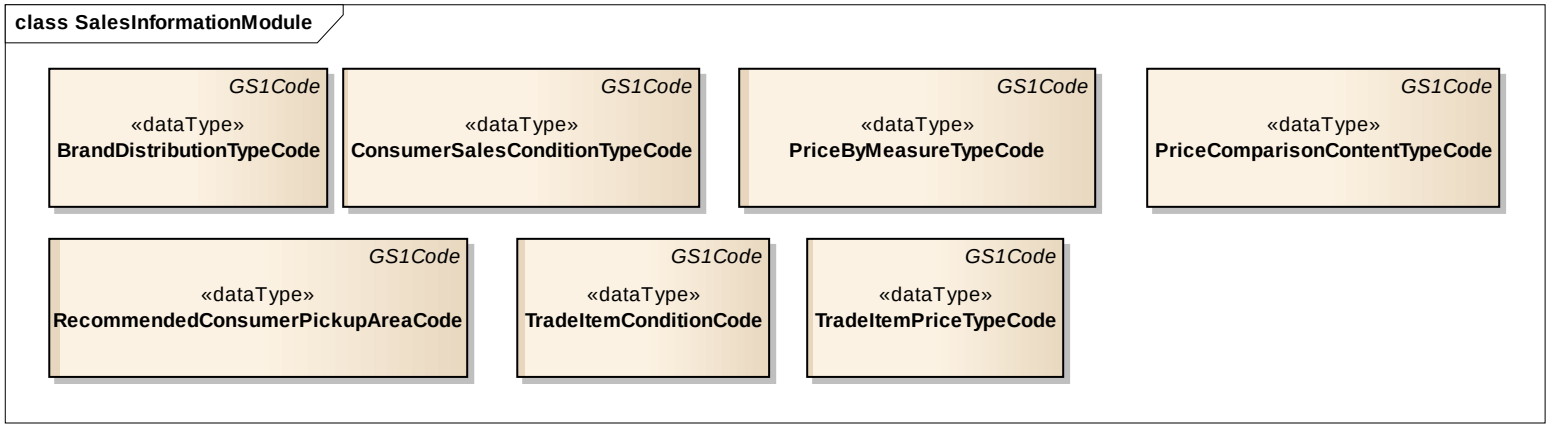
content	attribute / role	datatype /secondary class	multiplicity	definition
Association	suggestedRetailPrice	TradeItemPrice	0..*	The retail (to consumer) price as suggested by the manufacturer. This is normally used to establish a proposed value for the trade item for marketing purposes. May or may not appear on the package.
Attribute	cardPriceGroupIdentifier	string	0..*	A code that identifies a price.



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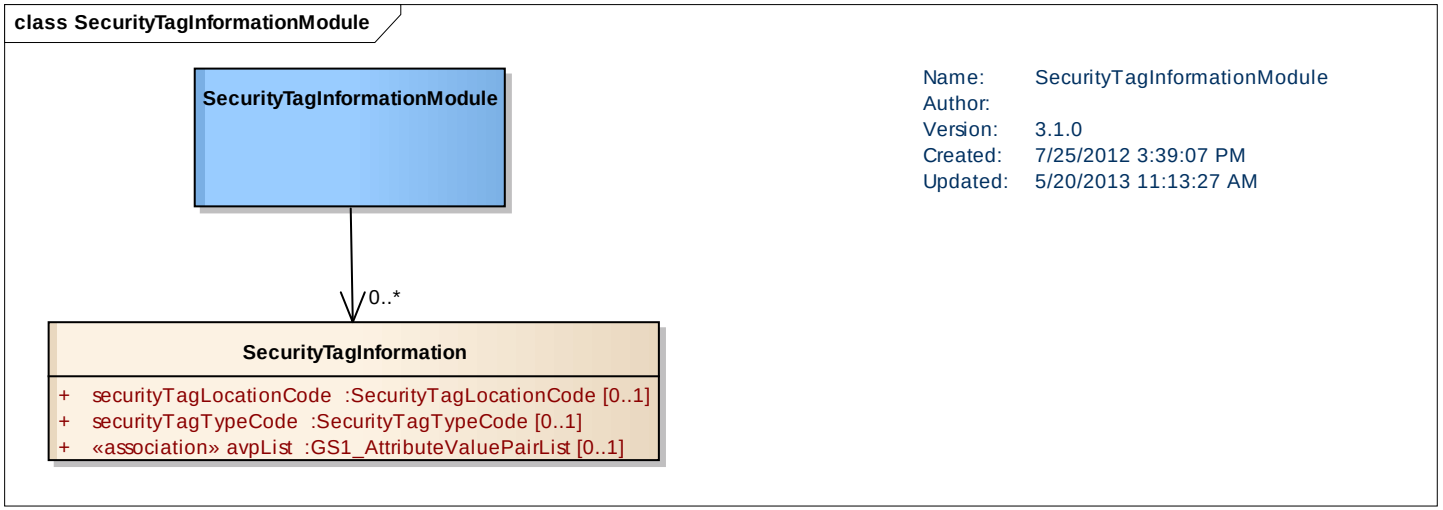
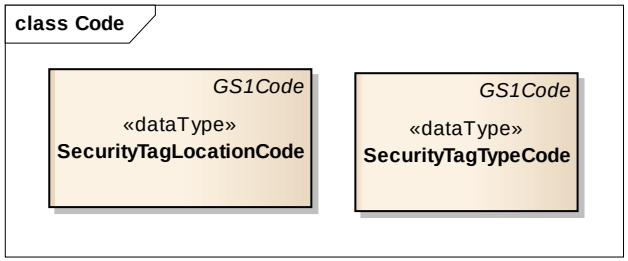
5.52. Security Tag Information Module





content	attribute / role	datatype /secondary class	multiplicity	definition
SecurityTagInformation				Information on any security tags that may come with the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	securityTagLocationCode	SecurityTagLocationCode	0..1	This is a code to indicate where the EAS tag is located on the Trade Item. Values include On outside of Trade Item, Concealed inside Trade Item, Integrated Inside Trade Item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	securityTagTypeCode	SecurityTagTypeCode	0..1	This is a code to indicate the type of EAS tag located on the Trade Item. Values include Acousto-Magnetic, Electro-Magnetic, Ink or dye, Microwave, Radio Frequency.
SecurityTagInformationModule				Information on any security tags that may come with the trade item.
Association		SecurityTagInformation	0..*	Information on any security tags that may come with the trade item.

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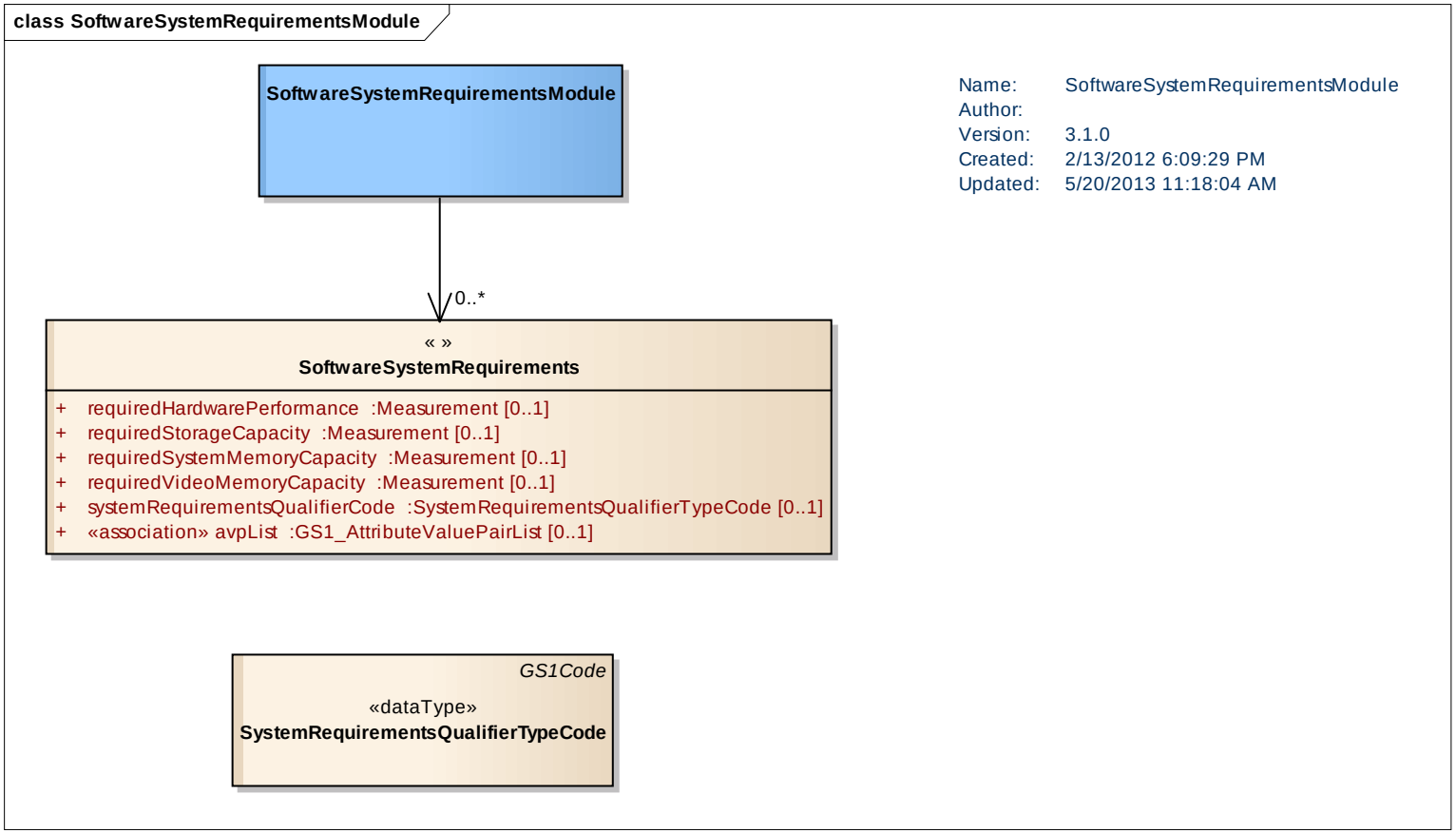
5.53. Software System Requirements Module



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
SoftwareSystemRequirementsModule				A Module with details on any required or recommended system capabilites to run the software.
Association		SoftwareSystem Requirements	0..*	Details on any required or recommended system capabilites to run the software.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
SoftwareSystemRequirements				Details on any required or recommended system capabilites to run the software.
Attribute	requiredHardwarePerformance	Measurement	0..1	The hardware performance required of the system to operate the software defined by the fundamental rate in cycles per second measured in hertz.
Attribute	requiredStorageCapacity	Measurement	0..1	The required data storage capacity required of the system to store the software expressed as megabytes.
Attribute	requiredSystemMemoryCapacity	Measurement	0..1	The temporary system memory capacity required of the system to run the software expressed in megabytes.
Attribute	requiredVideoMemoryCapacity	Measurement	0..1	The video memory capacity required of the system to run the software expressed in megabytes. Video memory is memory dedicated to the purpose of holding the information necessary for a graphics card.
Attribute	systemRequirementsQualifierCode	SystemRequirementsQualifierTypeCode	0..1	A code that determines the type of system performance requirements for example minimum or recommended.

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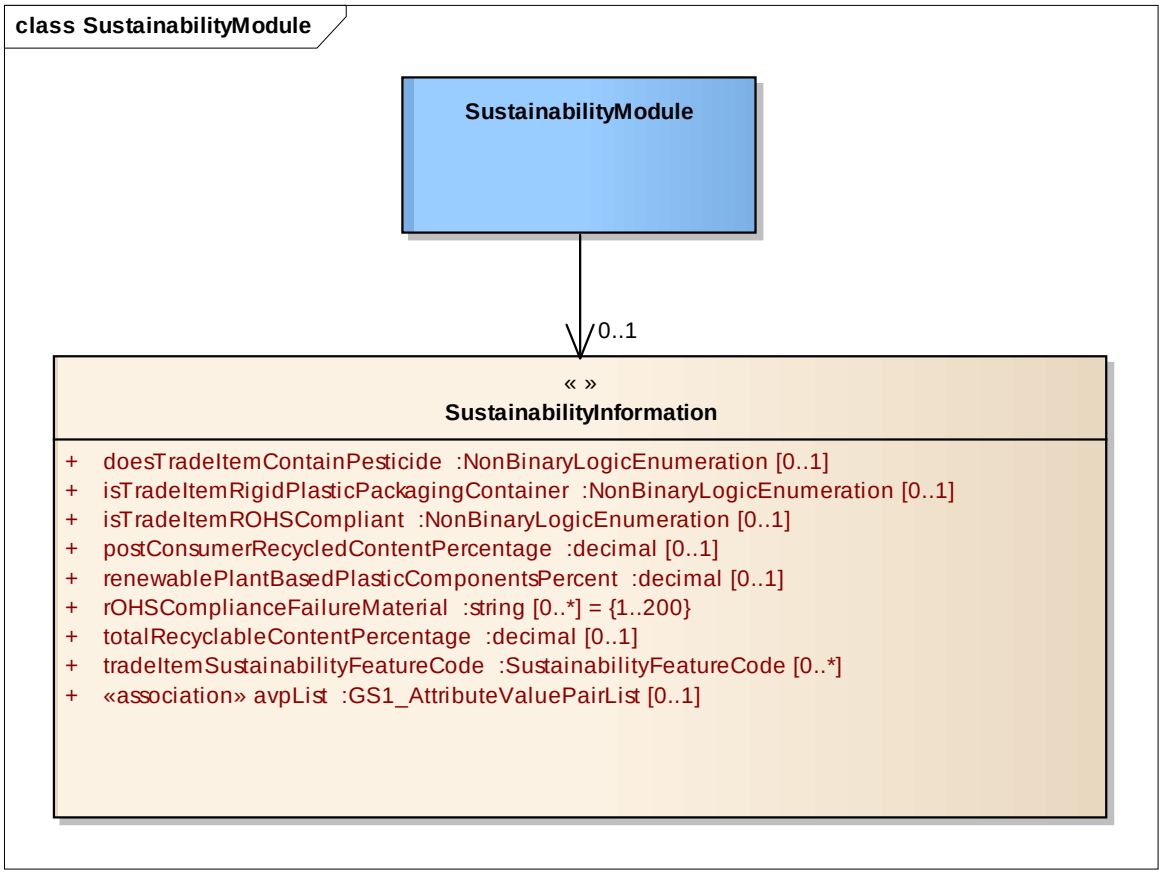
5.54. Sustainability Module



content	attribute / role	datatype /secondary class	multiplicity	definition
SustainabilityInformation				Properties of the trade item that can affect the ecological or human environment.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	doesTradeItemContainPesticide	NonBinaryLogicEnumeration	0..1	Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism.
Attribute	isTradeItemRigidPlasticPackagingContainer	NonBinaryLogicEnumeration	0..1	Indicates that a product is or is contained in a Rigid Plastic Packaging Container (RPPC) as defined by laws in the target market. A Rigid Plastic Packaging Container is a container that is made entirely of plastic, with a capacity between 8 fluid ounces and 5 gallons or the equivalent solid volume,maintains its shape while holding the product, and is capable of multiple re-closures.
Attribute	isTradeItemROHSCompliant	NonBinaryLogicEnumeration	0..1	Indicates if the product is compliant with the European Union RoHS Directive (the restriction of the use of certain hazardous substances in electrical and electronic equipment), a government regulated agency that sets guidelines for product not to contain certain hazardous substances. The RoHS (restriction of the use of certain hazardous substances) bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.
Attribute	postConsumerRecycledContentPercentage	decimal	0..1	Indicates the percentage of post-consumer material used in the trade item. The post-consumer material is collected from recycle bins and used as pulp to make new items. The percentage of post-consumer material is needed to drive whether the recycled logo goes on the item. Some post-consumer material is collected from the recycle bins and used as pulp to make new items.
Attribute	renewablePlantBasedPlasticComponentsPercent	decimal	0..1	The percentage of the plastic components only made from rapidly renewable plant-based material by net weight of product (excludes packaging).
Attribute	rOHSComplianceFailureMaterial	string	0..*	The material used in the trade item that does not comply with the ROHS Directives. ROHS is the “restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants. Use the ROHSComplianceFailureMaterialCode.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	totalRecyclableContentPercentage	decimal	0..1	The percentage of all recycled material used to produce the trade item. Drives whether or not you can describe an item as recycled in advertising/marketing. This is the totalled recycled content including percentage of post consumer recycled. It excludes all packaging material.
Attribute	tradeItemSustainabilityFeatureCode	SustainabilityFeatureCode	0..*	A feature of the trade item that contributes to sustainability initiatives for example that it is made from renewable materials.
Association		avpList	0..1	Attribute value pair information.
SustainabilityModule				Properties of the trade item that can affect the ecological or human environment.
Association		TradeItemSustainabilityInformation	0..1	Properties of the trade item that can affect the ecological or human environment.

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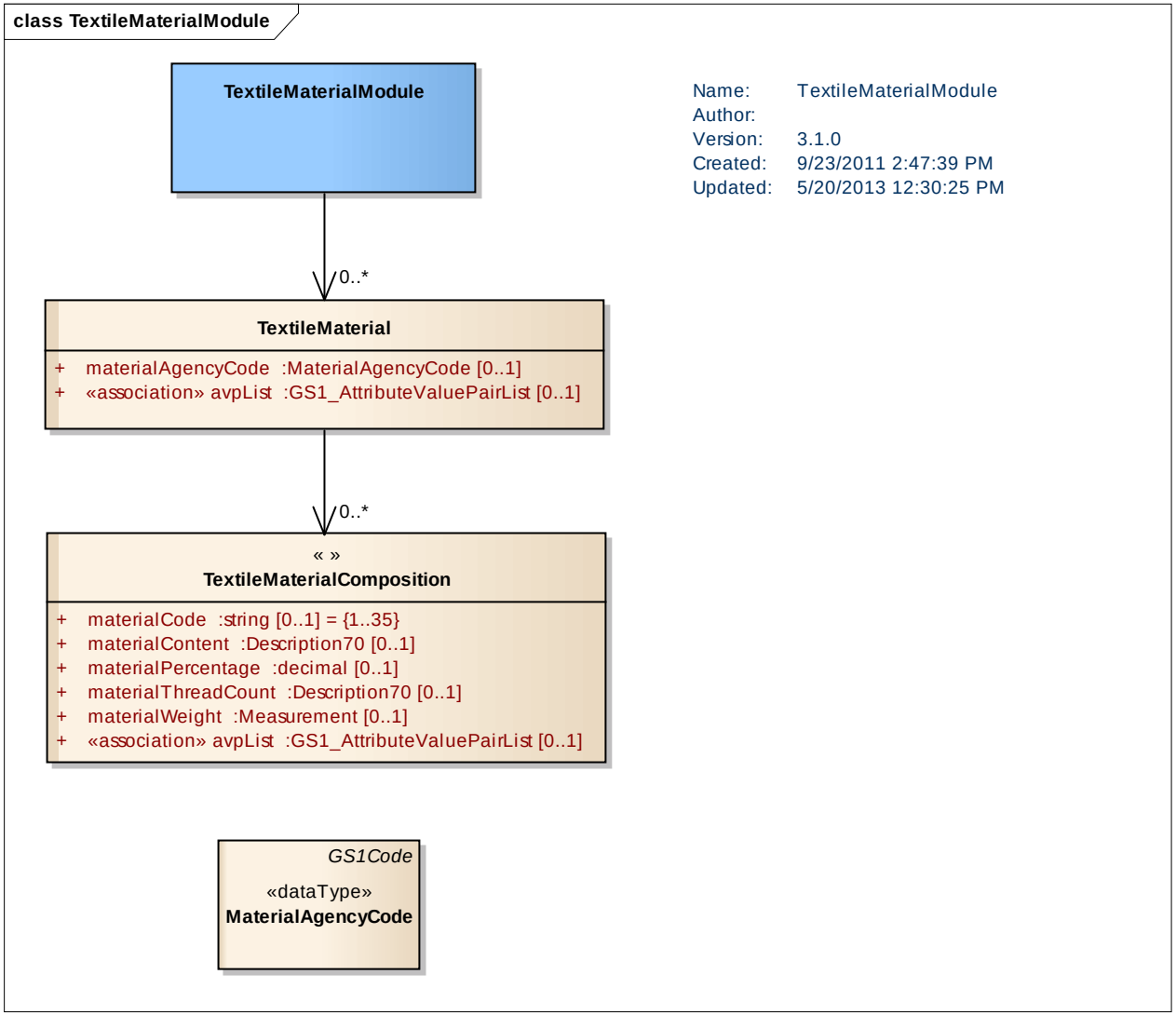
5.55. Textile Material Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
TextileMaterial				Details on the composition of any materials used to make a trade item using textiles.
Association		TextileMaterialComposition	0..*	Details on the composition of any materials used to make a trade item using textiles.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	materialAgencyCode	MaterialAgencyCode	0..1	This element indicates the agency that is maintaining the Trade Item Material codes. This may include a specific code list.
TextileMaterialModule				A module expressing details on the composition of any materials used to make a trade item using textiles for example clothing or furniture.
Association		TradeItemTextileMaterial	0..*	Details on the composition of any materials used to make a trade item using textiles for example clothing or furniture.
TextileMaterialComposition				Details on the composition of any materials used to make the trade item.
Attribute	materialCode	string	0..1	This element indicates the product material code that gives the composition of the trade item's first main material up to six material short codes that can be given in descending order of their respective percentages.
Attribute	materialContent	Description70	0..1	This element is used to indicate the material composition. This element is used in conjunction with the percentage.
Attribute	materialPercentage	Decimal	0..1	Net weight percentage of a product material of the first main material. The percentages must add up to 100.
Attribute	materialThreadCount	Description70	0..1	This element is used to specify the quality of material (fabric) of a trade item.
Attribute	materialWeight	Measurement	0..1	The measured weight of the material expressed in ounces per square yard or grams per square meter.

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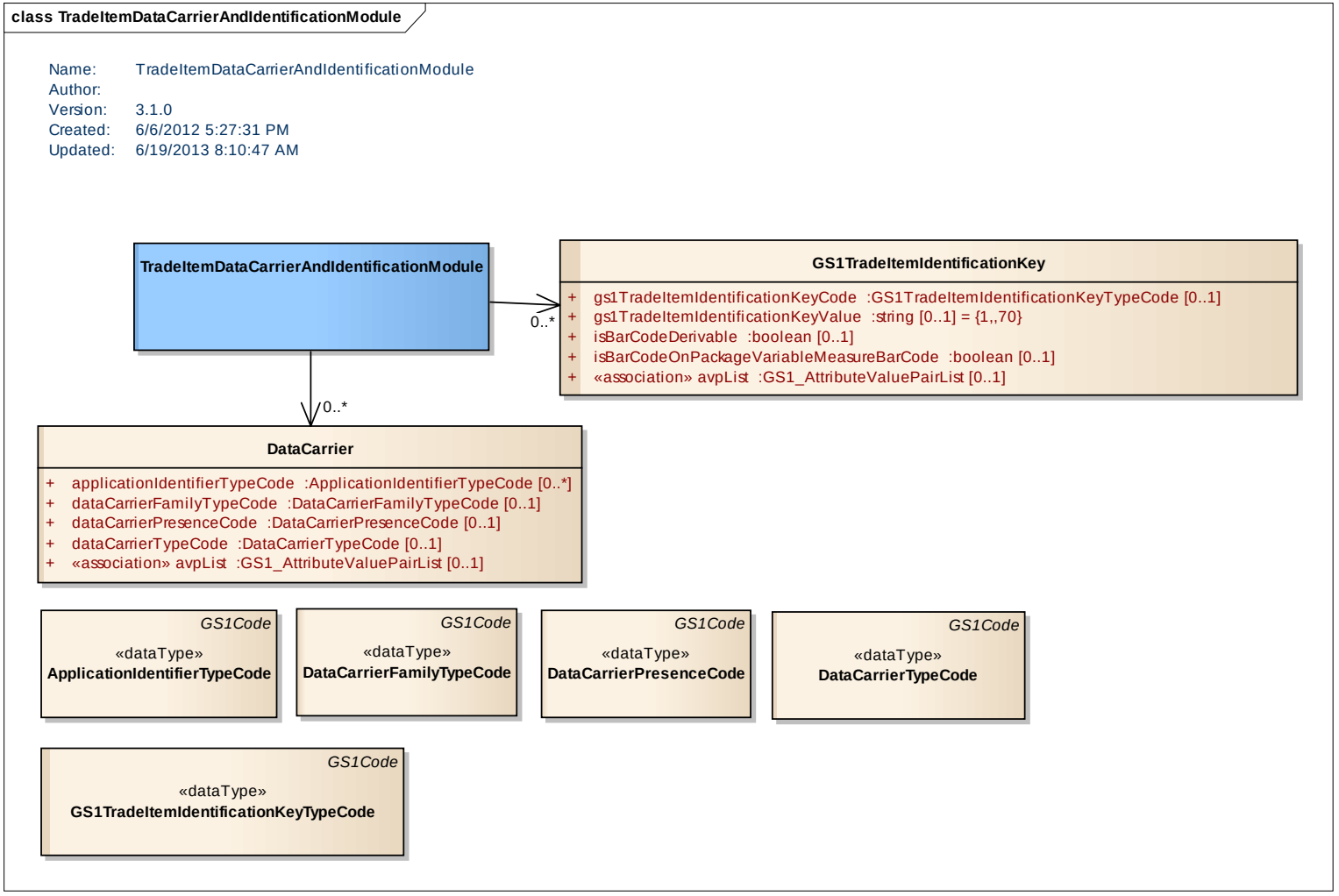
5.56. Trade Item Data Carrier And Identification Module



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Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition
TradeItemDataCarrierAndIdentificationModule				A module containing information on any Data Carriers or GS1 Application Identifiers associated with the trade item.
Association		DataCarrier	0..*	A means to represent data in a machine readable form; used to enable automatic reading of the element strings.
Association		GS1TradeItemIdentificationKey	0..*	Details on additional GS1 trade item identifiers present for the trade item.
DataCarrier				A means to represent data in a machine readable form; used to enable automatic reading of the element strings.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	applicationIdentifierTypeCode	ApplicationIdentifierTypeCode	0..*	Indication of which Application Identifier's (AI) presence is indicated for example 10 (batch number),15 (best-before-date),17 (expiry date), 310(n) (net weight in kilogram).
Attribute	dataCarrierFamilyTypeCode	DataCarrierFamilyTypeCode	0..1	A high-level grouping of data carriers for example GS1 Data Bar.
Attribute	dataCarrierPresenceCode	DataCarrierPresenceCode	0..1	A code that indicates if the trade item has or could have a certain data carrier present.
Attribute	dataCarrierTypeCode	DataCarrierTypeCode	0..1	A code indicating the type of data carrier physically present on the trade item.
GS1TradeItemIdentificationKey				Details on additional GS1 trade item identifiers present for the trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	gs1TradeItemIdentificationKeyCode	gs1TradeItemIdentificationKeyCode	0..1	Alternative means to the Global Trade Item Number to identify a trade item.
Attribute	gs1TradeItemIdentificationKeyValue	String	0..1	A value for the alternative means to the Global Trade Item Number to identify a trade item.
Attribute	isBarCodeDerivable	Boolean	0..1	A boolean field determining that the data structure on the trade item can be derived from the GTIN.
Attribute	isBarCodeOnPackageVariableMeasureBarCode	Boolean	0..1	An indicator identifying if the bar code that is printed on the trade item package is a variable measure bar code.

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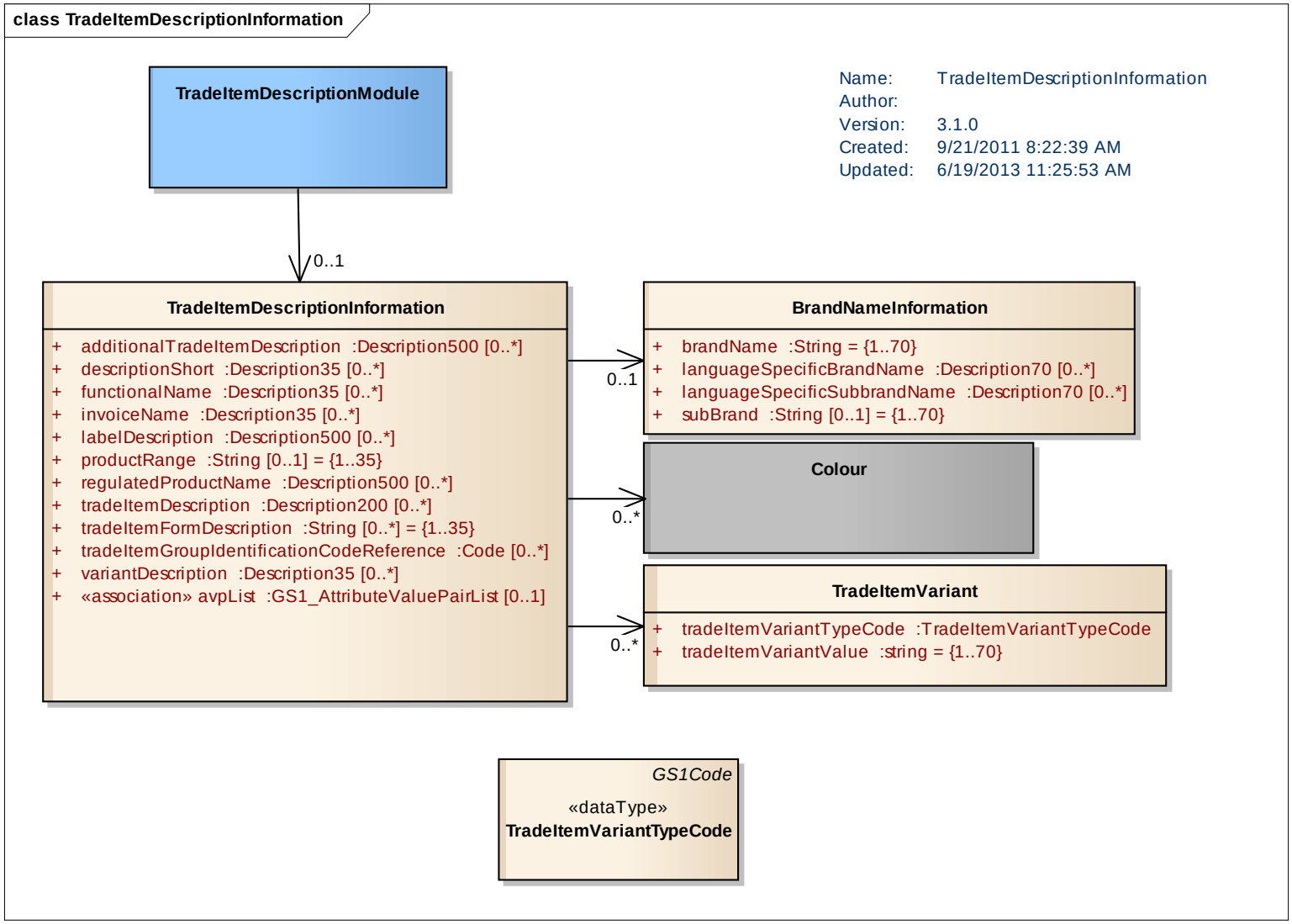
5.57. Trade Item Description Module



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content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemDescriptionModule				A module carrying general descriptions of the trade item including brand, form, variant.
Association		TradeItemDescriptionInformation	0..1	Description Information for the trade item.
TradeItemDescriptionInformation				Description Information for the trade item.
Association		BrandNameInformation	0..1	Information on brands and sub-brands for a trade item.
Association		Colour	0..*	Information specifying a colour in text and / or coded format.
Association		TradeItemVariant	0..*	Provides a code to identify the variant type and name of the product (e.g. Taste, Grape). Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	additionalTradeItemDescription	Description500	0..*	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Colour, and Fragrance.
Attribute	descriptionShort	Description35	0..*	A free form short length description of the trade item that can be used to identify the trade item at point of sale.
Attribute	functionalName	Description35	0..*	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.
Attribute	invoiceName	Description35	0..*	Free form information provider assigned trade item description designed to match trade item/service description as noted on invoices.
Attribute	labelDescription	Description500	0..*	A literal reproduction of the text featured on a product's label in the same word-by-word order in which it appears on the front of the product's packaging. This may not necessarily match the GTIN description as loaded by the supplier into the GTIN description field in GDSN.
Attribute	productRange	string	0..1	A name, used by a BrandOwner, that span multiple consumer categories or uses. E.g. (Waist Watchers).

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	regulatedProductName	string	0..*	The prescribed, regulated or generic product name or denomination that describes the true nature of the food and is sufficiently precise to distinguish it from other foods according to country specific regulation.
Attribute	tradeItemDescription	Description200	0..*	An understandable and useable description of a trade item using brand and other descriptors. This attribute is filled with as little abbreviation as possible while keeping to a reasonable length. This should be a meaningful description of the trade item with full spelling to facilitate message processing. Retailers can use this description as the base to fully understand the brand, flavour, scent etc. of the specific GTIN in order to accurately create a product description as needed for their internal systems. Examples: GS1 Brand Base Invisible Solid Deodorant AP Stick Spring Breeze GS1 Brand Laundry Detergent Liquid Compact Regular Instant Stain 1 GS1 Brand Hair Colour Liquid Light to Medium Blonde.
Attribute	tradeItemFormDescription	string	0..*	The physical form or shape of the product. Used, for example, in pharmaceutical industry to indicate the formulation of the trade item. Defines the form the trade item takes and is distinct from the form of the packaging.
Attribute	tradeItemGroupIdentificationCodeReference	Code	0..*	A code assigned by the supplier or manufacturer to logically group trade item independently from the Global trade item Classification.
Attribute	variantDescription	Description35	0..*	Free text field used to identify the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.
BrandNameInformation				Information on brands and sub-brands for a trade item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	brandName	string	1..1	The recognisable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.
Attribute	languageSpecificBrandName	Description70	0..*	The recognisable name used by a brand owner to uniquely identify a line of trade item or services expressed in a different language than the primary brand name (brandName).
Attribute	languageSpecificSubbrandName	Description70	0..*	A second level of brand expressed in a different language than the primary sub-brand name (subBrand).
Attribute	subBrand	string	0..1	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand.
TradeItemVariant				Provides a code to identify the variant type and name of the product (e.g. Taste, Grape). Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.
Attribute	tradeItemVariantTypeCode	TradeItemVariantTypeCode	1..1	Provides a code to identify the variant type of the product (e.g. Flavour).
Attribute	tradeItemVariantValue	string	1..1	The variant value for a variant type (e.g. Grape).

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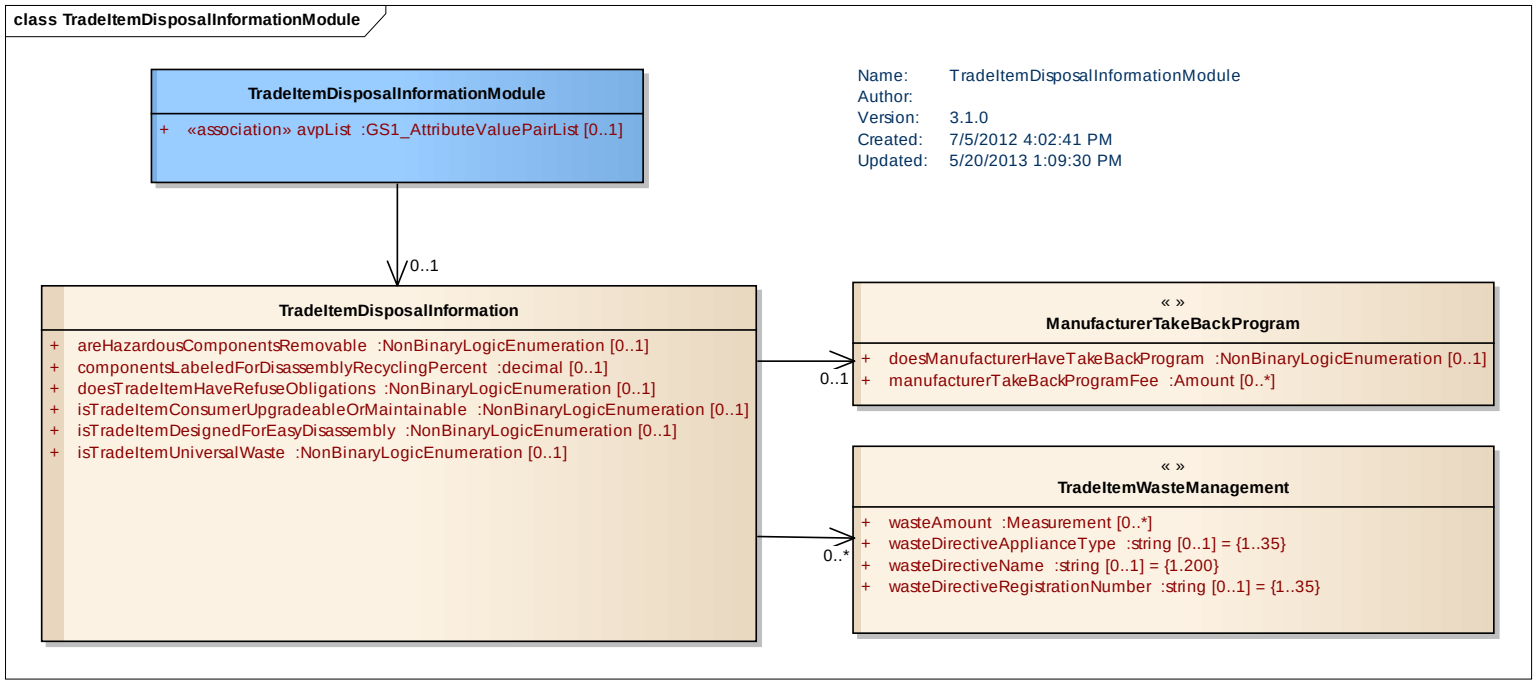
5.58. Trade Item Disposal Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
ManufacturerTakeBackProgram				Details on any take back program offered to consumers for the product to be reused, re-manufactured or recycled by the manufacturer.
Attribute	doesManufacturerHaveTakeBackProgram	NonbinaryLogicEnumeration	0..1	Indicates if the manufacturer of the trade item offers any take back programs to consumers for the product to be reused, re-manufactured or recycled by the manufacturer.
Attribute	manufacturerTakeBackProgramFee	Amount	0..*	The fee the consumer must pay the manufacturer to take back the product.
TradeItemDisposalInformation				Information on the disposal of the trade item for the purposes of sustainability.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		ManufacturerTakeBackProgram	0..1	Details on any take back program offered to consumers for the product to be reused, re-manufactured or recycled by the manufacturer.
Association		TradeItemWasteManagement	0..*	Information on waste management for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	areHazardousComponentsRemovable	NonbinaryLogicEnumeration	0..1	An indicator if any hazardous components contained within the trade item can easily be separated from the other materials to facilitate product recycling.
Attribute	componentsLabeledForDisassemblyRecyclingPercent	decimal	0..1	The percentage of trade item components that clearly label how to facilitate product disassembly and recycling. For example if the product is a VCR and remote control and the remote control is labelled for recycling, but the VCR is not the percentage equals 50.
Attribute	doesTradeItemHaveRefuseObligations	NonbinaryLogicEnumeration	0..1	Indicates if there are special disposal obligations that apply to the trade item for example INTRASTAT.
Attribute	isTradeItemConsumerUpgradeableOrMaintainable	NonbinaryLogicEnumeration	0..1	Indicates if a product can be easily upgraded or have parts replaced by the consumer. For example, the ability to add additional memory/storage capacity or access and replace chargeable batteries.
Attribute	isTradeItemDesignedForEasyDisassembly	NonbinaryLogicEnumeration	0..1	Indicates that the trade item is designed for easy disassembly by recycling facilities using standard industry tools.
Attribute	isTradeItemUniversalWaste	NonbinaryLogicEnumeration	0..1	Indicates if a product can be considered universal waste. Universal waste is defined as “wastes that do meet the regulatory definition of hazardous waste, but are managed under special, tailored regulations.
TradeItemDisposalInformationModule				Information on the disposal of the trade item for the purposes of sustainability.
Association		TradeItemDisposalInformation	0..1	Information on the disposal of the trade item for the purposes of sustainability.
TradeItemWasteManagement				Information on waste management for a trade item.
Attribute	wasteAmount	Measurement	0..*	The amount of the components contained in the trade item that are covered by a waste directive for example WEEE.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	wasteDirectiveApplianceType	string	0..1	The category of electrical and electronic equipment containing components covered by a waste directive for example WEEE.
Attribute	wasteDirectiveName	string	0..1	The name of a waste directive for example WEEE.
Attribute	wasteDirectiveRegistrationNumber	string	0..1	A registration number for a trade item required by a waste directive (e.g. WEEE).

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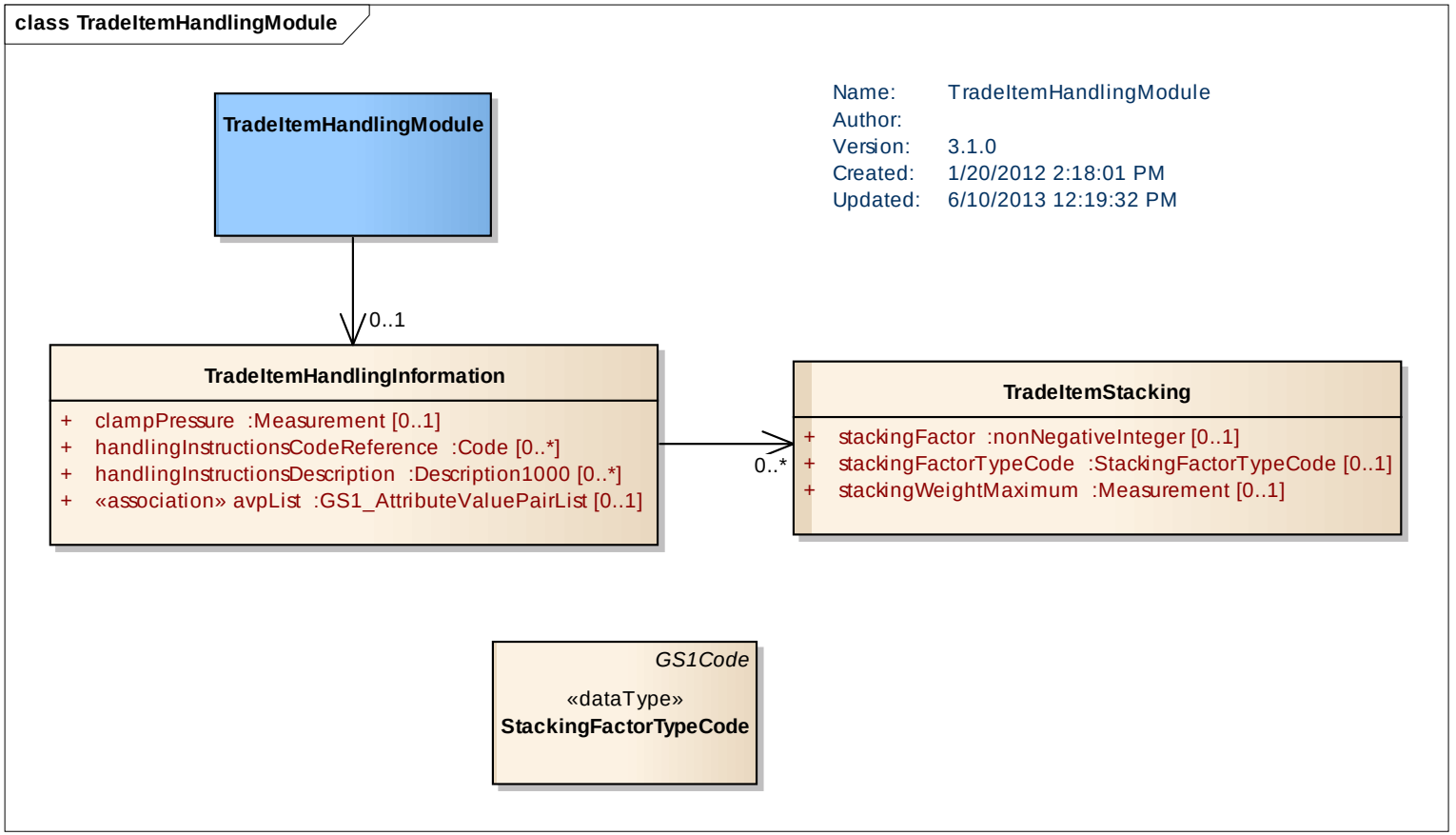
5.59. Trade Item Handling Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemStacking				Information on the stacking for a trade item in the supply chain..
Attribute	stackingFactor	nonNegativeInteger	0..1	A factor that determines the maximum stacking for the product. Indicates the number of levels the product may be stacked.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	stackingFactorTypeCode	StackingFactorTypeCode	0..1	Indicates the supply chain process that the particular product may be stacked in. From a supply chain perspective these values can differ from a storage perspective, truck transport, rail, etc. If a retailer is shipping between warehouses or store, they need the information to support their supply chain. For example a truck can only be stack 2 pallets high, but in a warehouse that can be 3 pallets
Attribute	stackingWeightMaximum	Measurement	0..1	The maximum admissible weight that can be stacked on the trade item. This uses a measurement consisting of a unit of measure and a value. This will be used for transport or storage to allow user to know by weight how to stack different trade item one on top of the other.
TradeItemHandlingInformation				Instruction on the way to treat goods during transport and storage.
Association		TradeItemStacking	0..*	Information on the stacking for a trade item in the supply chain.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	clampPressure	Measurement	0..1	The pressure that should be applied by a clamp to the packaging around the product.
Attribute	handlingInstructionsCode	Code	0..*	Defines the information and processes needed to safely handle the trade item.
Attribute	handlingInstructionsDescription	Description1000	0..*	Information and processes needed to safely handle the trade item. Intended to be sent when handling Instructions Code and agency have not been provided.
TradeItemHandlingModule				A module containing instructions on the way to treat goods during transport and storage.
Association		TradeItemHandlingInformation	0..1	Instruction on the way to treat goods during transport and storage.

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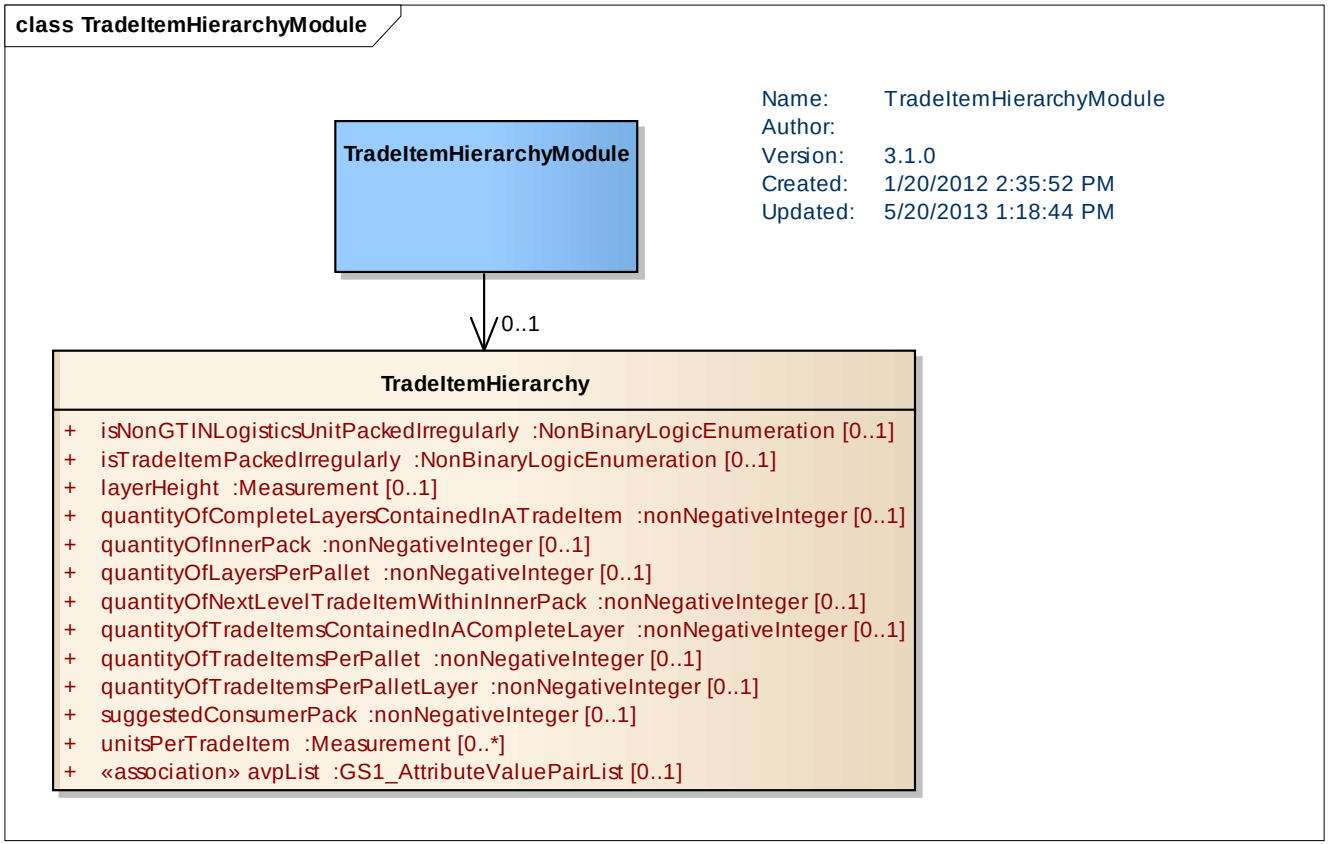
5.60. Trade Item Hierarchy Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemHierarchy				Information on how the hierarchical structure of a trade item for example number of layers on a pallet.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	isNonGTINLogisticsUnitPackedIrregularly	NonBinaryLogicEnumeration	0..1	Indicates that the Non-GTIN Logistic Unit is packed in a non-rectilinear pattern such that it is not meaningful to send the number of child trade items in the width/depth/height.
Attribute	isTradeItemPackedIrregularly	NonBinaryLogicEnumeration	0..1	Indicates that the item is packed in a non-rectilinear pattern such that it is not meaningful to send the number of child trade items in the width/depth/height.
Attribute	layerHeight	Measurement	0..1	The height of each layer of child trade items when packed in layers. This attribute may be used when child items are packed in layers, but the child items are not packed on their natural base.
Attribute	quantityOfCompleteLayersContainedInATradeItem	nonNegativeInteger	0..1	The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.
Attribute	quantityOfInnerPack	nonNegativeInteger	0..1	Indicates the number of non-GTIN assigned inner-packs of next lower level trade items within the current GTIN level.
Attribute	quantityOfLayersPerPallet	nonNegativeInteger	0..1	The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or retailer preferences.
Attribute	quantityOfNextLevelTradeItemWithinInnerPack	nonNegativeInteger	0..1	Indicates the number of next lower level trade items contained within the physical non-GTIN assigned each or inner-packs (inner-pack).
Attribute	quantityOfTradeItemsContainedInACompleteLayer	nonNegativeInteger	0..1	The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit.
Attribute	quantityOfTradeItemsPerPallet	nonNegativeInteger	0..1	The number of trade items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet according to supplier or retailer preferences.
Attribute	quantityOfTradeItemsPerPalletLayer	nonNegativeInteger	0..1	The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or retailer preferences.
Attribute	suggestedConsumerPack	nonNegativeInteger	0..1	The pack quantity of an item which aligns to the suggested consumer pack.
Attribute	unitsPerTradeItem	Measurement	0..*	Numeric value to indicate number of physical pieces used to make up the Consumer Unit. Used if there is more than one piece in one Trade Item.

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content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemHierarchyModule				A module containing information on how the hierarchical structure of a trade item for example number of layers on a pallet.
Association		TradeItemHierarchy	0..1	Information on how the hierarchical structure of a trade item for example number of layers on a pallet.

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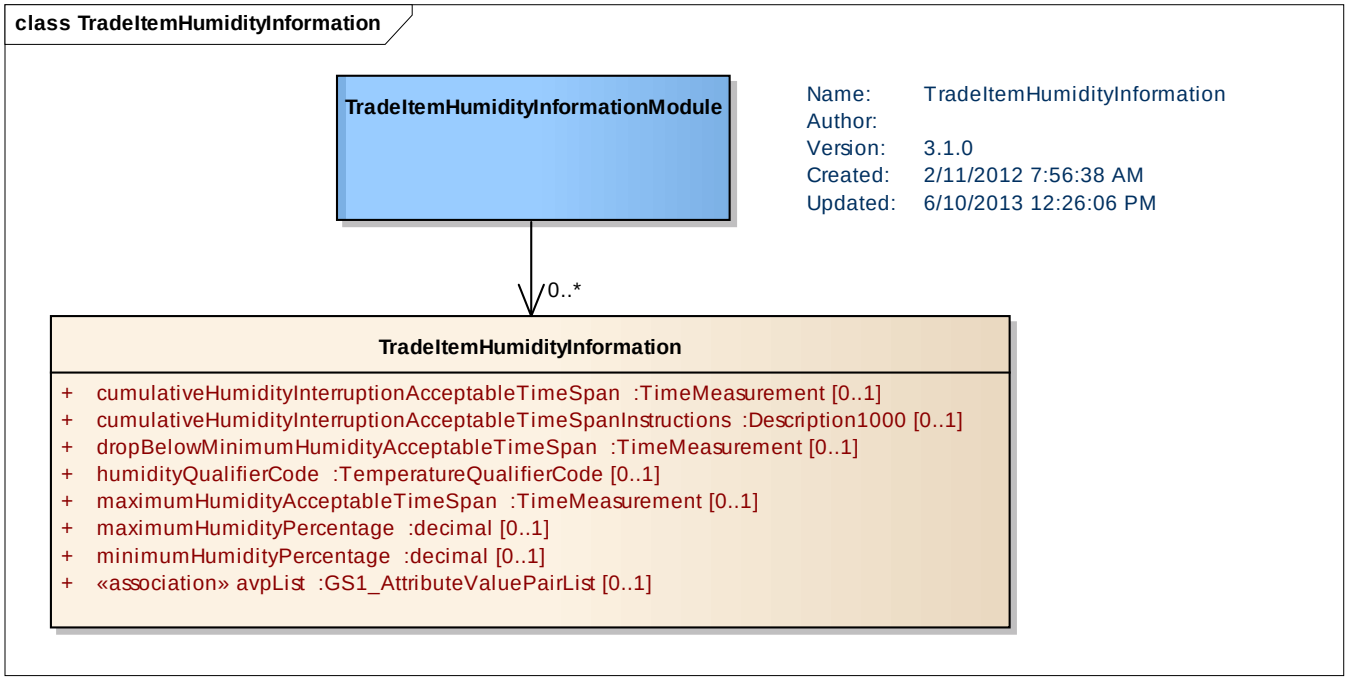
5.61. Trade Item Humidity Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemHumidityInformation				Information on permissible humidity of a trade item during various points of the supply chain.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	cumulativeHumidityInterruptionAcceptableTimeSpan	TimeMeasurement	0..1	An expression of the maximum allowed cumulative time span of one or more humidity interruptions of a trade item as defined by the manufacturer.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	cumulativeHumidityInterruptionAcceptableTimeSpanInstructions	Description1000	0..1	Instructions provided by the product manufacturer regarding the process, procedures, or handling instructions for trade items that has exceeded the cumulative time span of humidity interruptions.
Attribute	dropBelowMinimumHumidityAcceptableTimeSpan	TimeMeasurement	0..1	The amount of time that a product can fall below the minimum humidity threshold as defined by the manufacturer without affecting product safety or quality.
Attribute	humidityQualifierCode	TemperatureTypeQualifierCode	0..1	Code qualifying the type of a humidity for example STORAGE.
Attribute	maximumHumidityAcceptableTimeSpan	TimeMeasurement	0..1	The amount of time that a product can safely rise above the maximum humidity threshold as defined by the manufacturer without affecting product safety or quality.
Attribute	maximumHumidityPercentage	Decimal	0..1	The maximum humidity in percentages that the goods should be stored in.
Attribute	minimumHumidityPercentage	Decimal	0..1	The minimum humidity in percentages that the goods should be stored in
TradeItemHumidityInformationModule				A module containing information on permissible humidity of a trade item during various points of the supply chain.
Association		TradeItemHumidityInformation	0..*	Information on permissible humidity of a trade item during various points of the supply chain.

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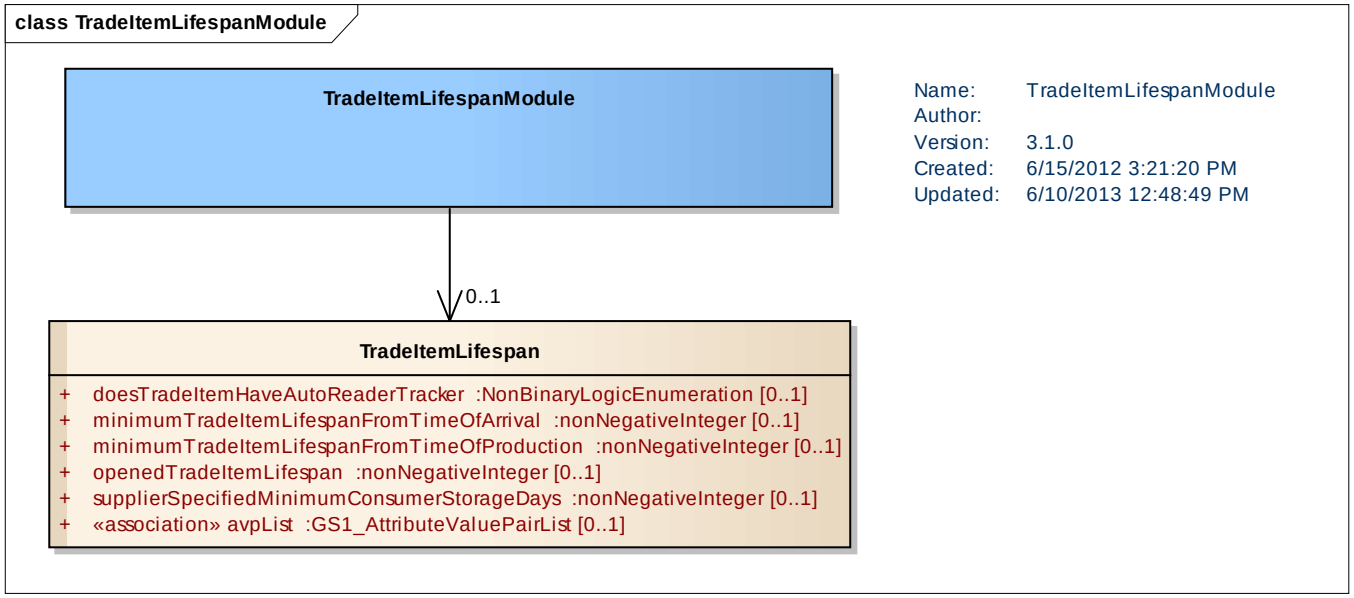
5.62. Trade Item Lifespan Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemLifespan				Information on the amount of time the item can or should be used, sold, etc.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	doesTradeItemHaveAutoReaderTracker	NonBinaryLogicEnumeration	0..1	Indication that the trade item has a device that identifies that the product has a limited number of reuses and is self tracked. Each time the device is used / plugged in it will decrement the count. When the counter reaches zero the trade item should be disposed of.
Attribute	minimumTradeItemLifespanFromTimeOfArrival	nonNegativeInteger	0..1	The period of days, guaranteed by the manufacturer, before the expiration date of the trade item, based on arrival to a mutually agreed to point in the buyers distribution system. Can be repeatable upon use of GLN.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	minimumTradeItemLifespanFromTimeOfProduction	nonNegativeInteger	0..1	The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production.
Attribute	openedTradeItemLifespan	nonNegativeInteger	0..1	The number of days the trade item that had been opened can remain on the shelf and must then be removed.
Attribute	supplierSpecifiedMinimumConsumerStorageDays	nonNegativeInteger	0..1	Represents the number of days between a product's "sell by date" and its "use by date".
TradeItemLifespanModule				A module containing information on the amount of time the item can or should be used, sold, etc.
Association		TradeItemLifespan	0..1	Information on the amount of time the item can or should be used, sold, etc.

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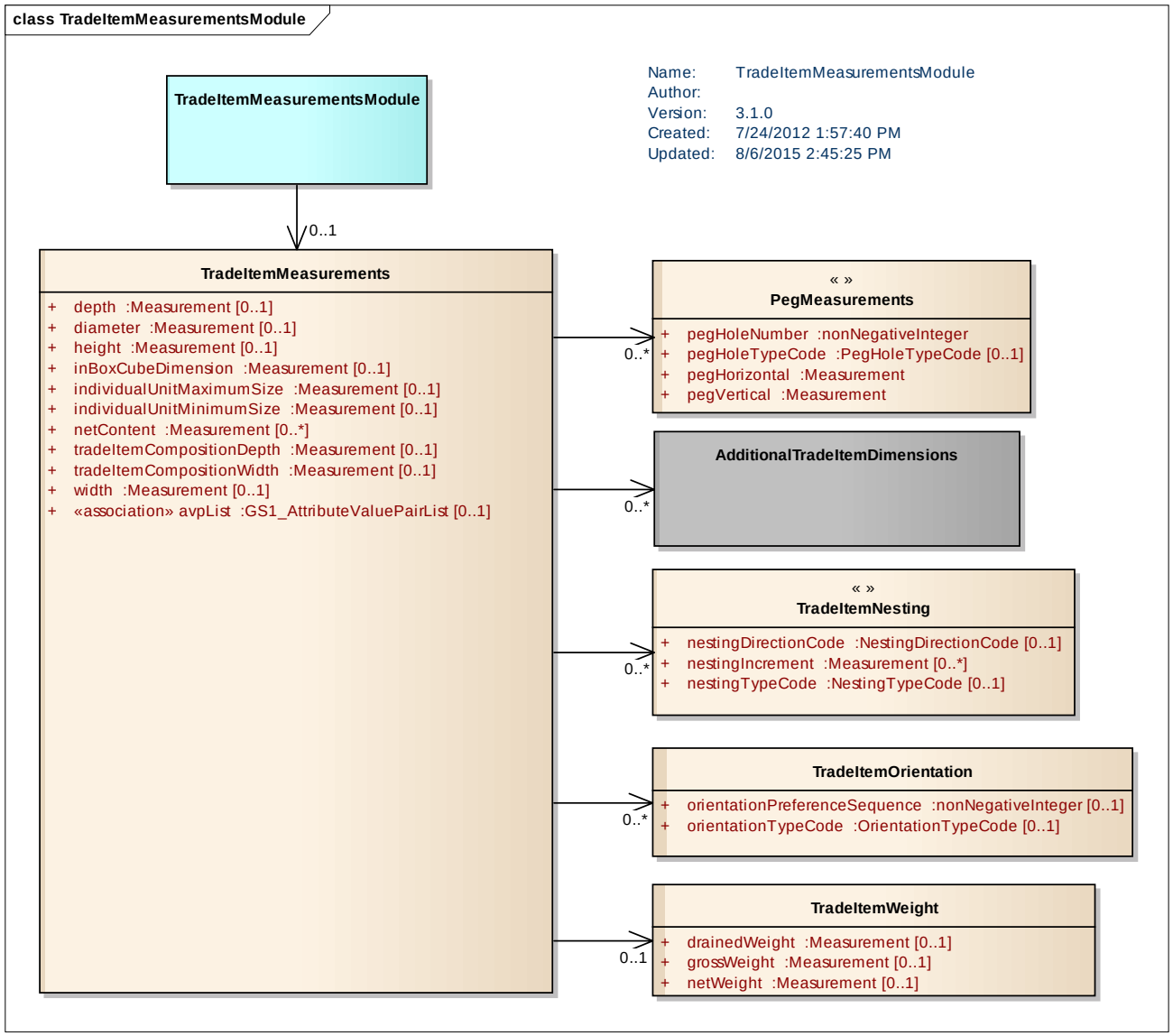
5.63. Trade Item Measurements Module



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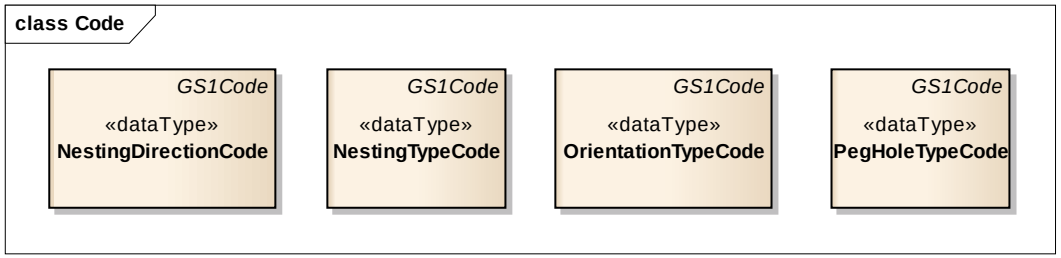
Note: Common class (in grey) is located in the GDSN Common Library.



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemMeasurements				Measurement information for the trade item.
Association		AdditionalTradeItemDimensions	0..*	Measurements for a trade item including dimensions.
Association		TradeItemOrientation	0..*	Orientation information for a trade item.
Association		TradeItemWeight	0..1	Details on weight for a trade item.
Association		TradeItemNesting	0..*	Details on how trade items nest with each other for the purpose of measurements.
Association		PegMeasurements	0..*	This class enables the description of multiple peg holes and their locations for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	depth	Measurement	0..1	The depth of the trade item, as measured according to the GS1 Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen.
Attribute	diameter	Measurement	0..1	The measurement of the diameter of the trade item at its largest point. For example, 165 "mmt", value - mmt, diameter. Has to be associated with valid UoM.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	height	Measurement	0..1	The height of the trade item, as measured according to the GS1 Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen.
Attribute	inBoxCubeDimension	Measurement	0..1	The dimensions of an imaginary cube which can be drawn around the trade item as defined in the formula of H X W X D (The linear dimensions multiplied to get a cubic result). This only applies to In-box dimensions. Level of Hierarchy applied to- All. Example- Bag of cabbage, Bag of Flour, Broom, Ham, or Case of Beer.
Attribute	individualUnitMaximumSize	Measurement	0..1	Maximum size of the individual unit inside the lowest level of packaging.
Attribute	individualUnitMinimumSize	Measurement	0..1	Minimum size of the individual unit inside the lowest level of packaging.
Attribute	netContent	Measurement	0..*	The amount of the trade item contained by a package, usually as claimed on the label. For example, Water 750ml - net content = "750 MLT" ; 20 count pack of diapers, net content = "20 ea.". In case of multi-pack, indicates the net content of the total trade item. For fixed value trade items use the value claimed on the package, to avoid variable fill rate issue that arises with some trade item which are sold by volume or weight, and whose actual content may vary slightly from batch to batch. In case of variable quantity trade items, indicates the average quantity.
Attribute	tradeItemCompositionDepth	Measurement	0..1	The number of child-items that are packaged from front to back in a trade unit. This information is used in the space process, especially when allocating whole Trade Units (intermediate) into the shelf.
Attribute	tradeItemCompositionWidth	Measurement	0..1	The number of child-items that are packaged beside each other in a trade unit (on the side facing the consumer). This information is used in the space process, especially when allocating whole Trade Units (intermediate) into the shelf. The Space Manager always allocates Base Units in the shelf. Usually there are no pictures of Trade Units available and for Hypermarkets/Big Supermarkets there is a need to allocate whole trade units into the shelves.
Attribute	width	Measurement	0..1	The width of the trade item, as measured according to the GS1 Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen.

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content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemMeasurementsModule				A module containing measurement information for the trade item.
Association		TradeItemMeasurements	0..1	A module containing measurement information for the trade item.
TradeItemOrientation				Depicts one or many suggested orientations for the trade item for the purpose of display.
Attribute	orientationPreferenceSequence	nonNegativeInteger	0..1	Depicts the preferred sequence of orientation used to communicate the manufacturers relative preferences of orientation.
Attribute	orientationTypeCode	OrientationtypeCode	0..1	Depicts via code a display orientation for a trade item.
PegMeasurements				This class enables the description of multiple peg holes and their locations for a trade item.
Attribute	pegHoleNumber	nonNegativeInteger	1..1	Used to indicate the peg hole numbers when more than one hole is present in the product or packaging. Peg holes should be numbered from the upper left corner of the front of the package to the bottom right corner.
Attribute	pegHoleTypeCode	PegHoleTypeCode	0..1	A code depicting the type and shape of the peg hole used for the packaging.
Attribute	pegHorizontal	Measurement	1..1	Used to indicate the horizontal distance from the left edge of the trade item to the center of the hole into which the peg is inserted when the trade item is displayed on a pegboard. Example: "2 INH." Required if the trade item is displayed on a peg board.
Attribute	pegVertical	Measurement	1..1	Used to indicate the vertical distance of a peg hole measured from the bottom edge of the trade item to the top of the peg hole. Peg holes are inserted when the trade item is displayed on a pegboard. Example: "2 INH." Information is required if the trade item is displayed on a peg board.
TradeItemNesting				Details on how trade items nest with each other for the purpose of measurements.
Attribute	nestingDirectionCode	NestingDirectionCode	0..1	Depicts the arrangement of two items that nest together specifically whether they nest against each other or on top of each other.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	nestingIncrement	Measurement	0..*	Indicates the incremental height of Trade Items nested together. In the case of two garbage cans nested together, this would be the height between the lip of the lower can and the lip on the upper can.
Attribute	nestingTypeCode	NestingTypeCode	0..1	Depicts whether a nested item fits inside or over the other item in a nesting relationship.
TradeItemWeight				Information on the weight of a trade item.
Attribute	drainedWeight	Measurement	0..1	The weight of the trade item when drained of its liquid. For examples 225 "grm", Jar of pickles in vinegar. Applies to defined bricks of GCI Global trade item Classification - Mainly food trade item. Has to be associated with a valid UoM.
Attribute	grossWeight	Measurement	0..1	Used to identify the gross weight of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade item, grossWeight includes the weight of the pallet itself. For example, "200 GRM", value - total pounds, total grams, etc. Has to be associated with a valid UOM.
Attribute	netWeight	Measurement	0..1	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level. For consumer unit, Net Content replaces Net Weight (can then be weight, size, volume). Has to be associated with a valid UoM.

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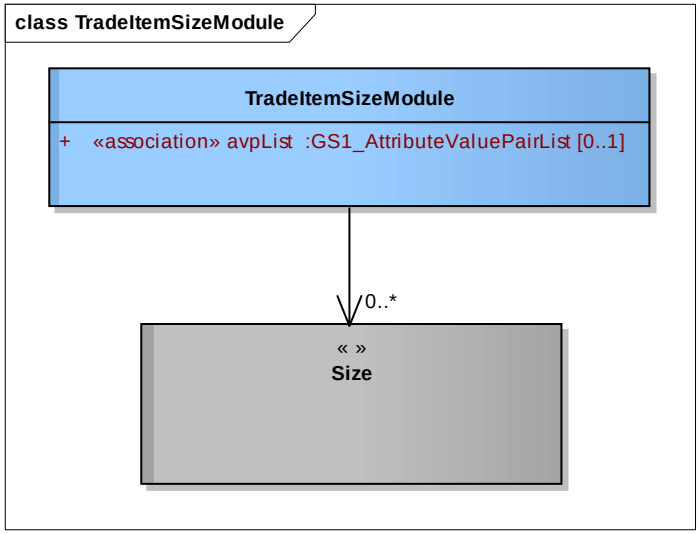
5.64. Trade Item Size Module



Note: Common class (in grey) is located in the Shared Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemSizeModule				A module specifying the size of an object as a code or a description.
Association		Size	0..*	The size of an object and the size coding system being applied, for example L (buyer assigned).
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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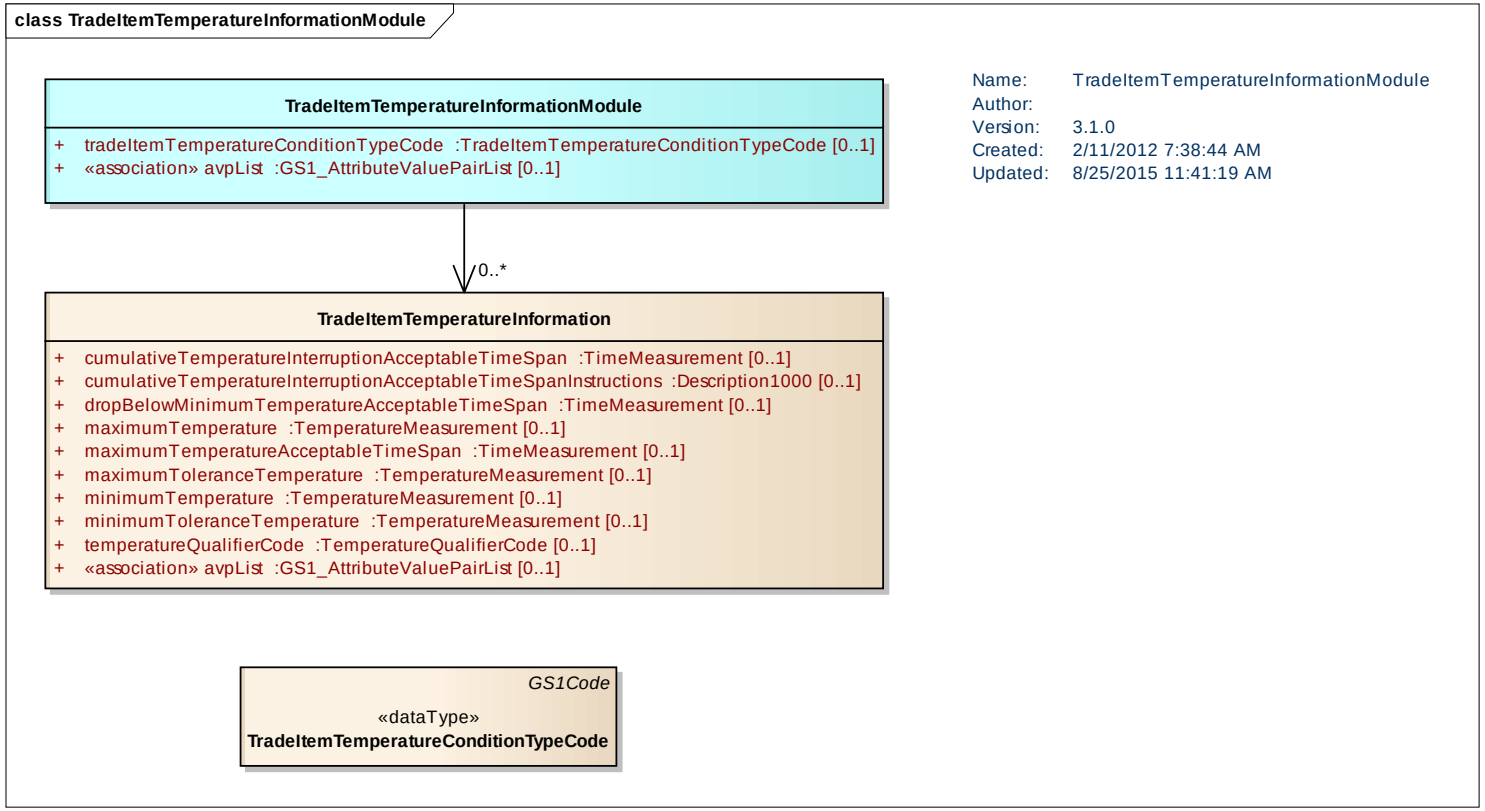
5.65. Trade Item Temperature Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TradeItemTemperatureInformationModule				Information on temperatures considerations for trade item.
Association		TradeItemTemperatureInformation	0..*	Details on permissible temperatures of a trade item during various points of the supply chain.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	tradeItemTemperatureConditionTypeCode	TradeItemTemperatureConditionTypeCode	0..1	The condition of the product sold to the end consumer for example thawed or frozen.
TradeItemTemperatureInformation				Details on permissible temperatures of a trade item during various points of the supply chain.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	cumulativeTemperatureInterruptionAcceptableTimeSpan	TimeMeasurement	0..1	An expression of the maximum allowed cumulative time span of one or more temperature interruptions of a trade item as defined by the manufacturer.
Attribute	cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions	Description1000	0..1	Instructions provided by the product manufacturer regarding the process, procedures, or handling instructions for trade items that has exceeded the cumulative time span of temperature interruptions.
Attribute	dropBelowMinimumTemperatureAcceptableTimeSpan	TimeMeasurement	0..1	The amount of time that a product can drop below the minimum temperature threshold during storage as defined by the manufacturer without affecting product safety or quality.
Attribute	maximumTemperature	TemperatureMeasurement	0..1	The maximum temperature that a trade item can not exceed as defined by the manufacturer without affecting product safety or quality.
Attribute	maximumTemperatureAcceptableTimeSpan	TimeMeasurement	0..1	The amount of time that a product can safely rise above the maximum temperature threshold during storage as defined by the manufacturer without affecting product safety or quality.
Attribute	maximumToleranceTemperature	TemperatureMeasurement	0..1	The maximum temperature at which the item is still usable. The tolerated temperature indicates that the temperature of the trade item should never rise above the maximum temperature.
Attribute	minimumTemperature	TemperatureMeasurement	0..1	The minimum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality.
Attribute	minimumToleranceTemperature	TemperatureMeasurement	0..1	The minimum temperature at which the item is still usable. The tolerated temperature indicates that the temperature of the trade item should never fall below the minimum temperature.
Attribute	temperatureQualifierCode	TemperatureQualifierCode	0..1	Code qualifying the type of a temperature requirement for example Storage.

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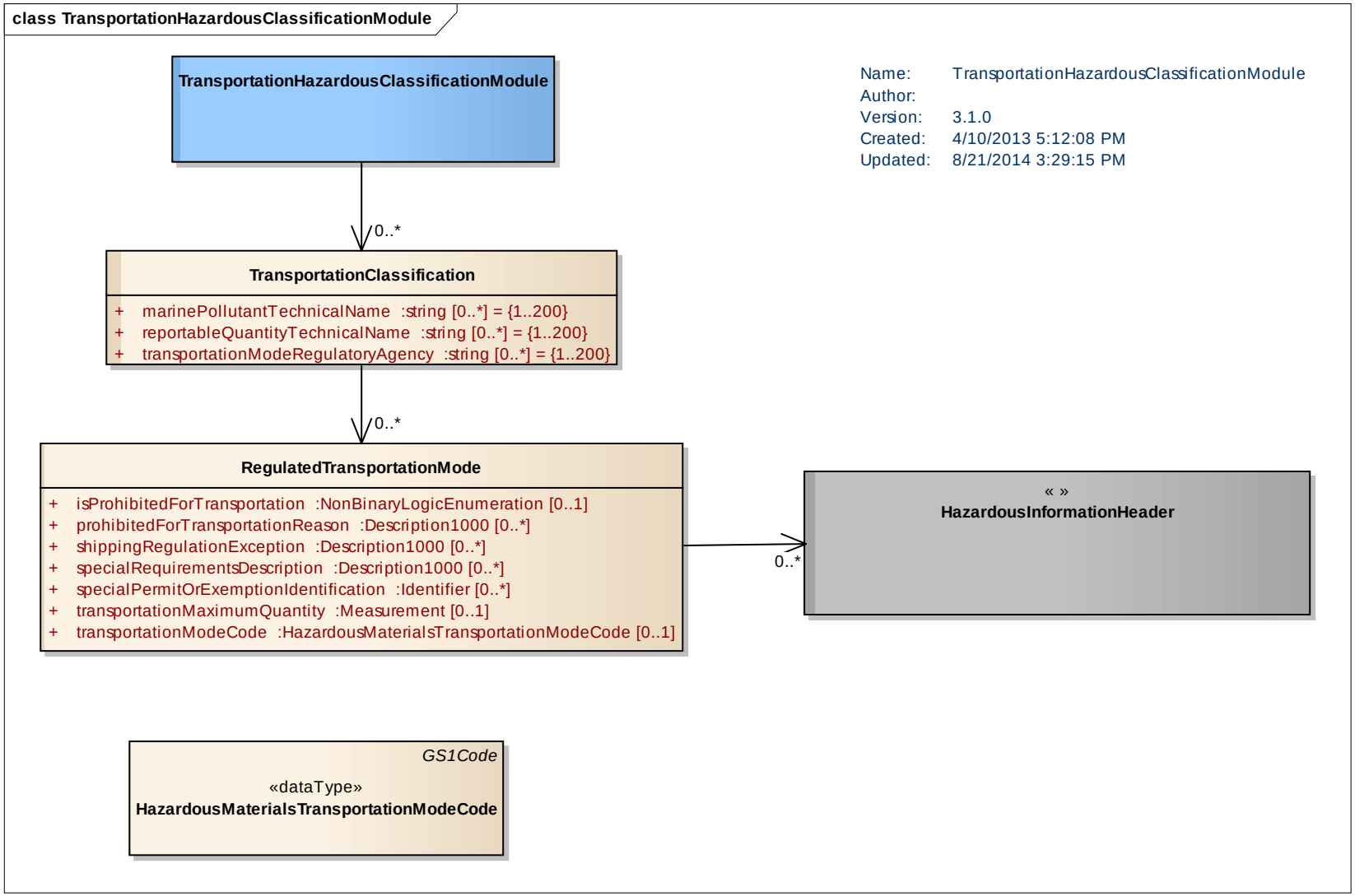
5.66. Transportation Hazardous Classification Module



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Note: Common class (in grey) is located in the GDSN Common Library.

content	attribute / role	datatype /secondary class	multiplicity	definition
TransportationHazardousClassificationModule				A module containing information on hazardous information typically based on a specific mode of transportation as regulated by an agency for example ADR, IATA, DOT, IMDG.
Association		TransportationClassification	0..*	Information on hazardous information based on a specific mode of transportation as regulated by an agencyfor example ADR, IATA, DOT, IMDG.
TransportationClassification				Information on hazardous information basedon a specific mode of transportationas regulated by an agencyfor example ADR, IATA, DOT, IMDG.
Association		RegulatedTransportationMode	0..*	Hazardous transportation information per mode of transportation.
Attribute	marinePollutantTechnicalName	string	0..*	The technical chemical name of any marine pollutant contained in the item or component.
Attribute	reportableQuantityTechnicalName	string	0..*	A recognized chemical name or microbiological name currently used in scientific and technical handbooks, journals, and texts for a chemical that exists in the Trade Item in quantity viewed as reportable according to a regulation for example US EPA.
Attribute	transportationModeRegulatoryAgency	string	0..*	The agency requiring information based on a specific mode of transportation for example ADR, IATA, DOT, IMDG.
RegulatedTransportationMode				Hazardous transportation information per mode of transportation.
Association		HazardousInformationHeader	0..*	Hazardous information for a hazardous class expressed for a transportation mode.
Attribute	isProhibitedForTransportation	NonBinaryLogicEnumeration	0..1	Indicates whether an item is prohibited for transportation via a specified mode.
Attribute	prohibitedForTransportationReason	Description1000	0..*	The reason that something is prohibited for transportation using a specific mode as a description..
Attribute	shippingRegulationException	Description1000	0..*	The reason that something is prohibited for transportation using a specific mode as a description.
Attribute	specialRequirementsDescription	Description1000	0..*	The reason that something is prohibited for transportation using a specific mode as a description.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	specialPermitOrExemptionIdentification	Identifier	0..*	An identifier (special permit number) for an exemption or special permit for a Trade Item. An identifier for an exception from a regulation specific to packaging for example DOT T, E, SP numbers, specialpermits for a packaging style.
Attribute	transportationMaximumQuantity	Measurement	0..1	The maximum inner volume of receptacles or packages (inner pack of vendor pack) that can be safely transported for a specific transportation type (e.g. Air Cargo) according to a governing agency.
Attribute	transportationModeCode	HazardousMaterialsTransportationModeCode	0..1	The type of vehicle used for the transportation of a hazardous material.

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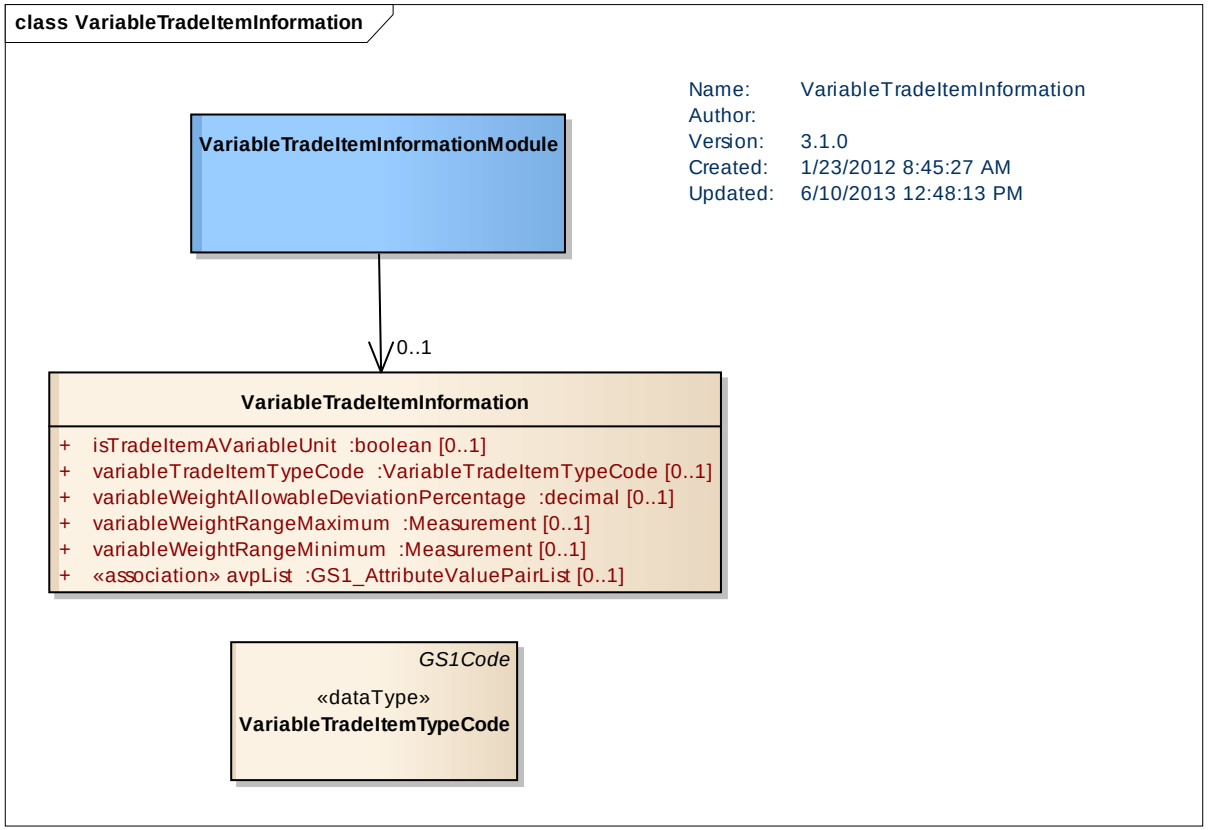
5.67. Variable Trade Item Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
VariableTradeItem Information				Information specific to variable weight or dimension trade items.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	isTradeItemAVariableUnit	boolean	0..1	Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be weight, length, volume, trade item is used or traded in continuous rather than discrete quantities.
Attribute	variableTradeItemTypeCode	VariableTradeItemTypeCode	0..1	Indicator to show whether product is loose or pre-packed.
Attribute	variableWeightAllowableDeviationPercentage	decimal	0..1	Indication of the percentage value that the actual weight of the trade item may differ from the average or estimated weight given. For example, Roast beef off the bone 3.5 kg, Gross weight 3500 Grams, Range = 14 %. This means that this item may be produced with weight values ranging from 3.010 kg to 3.990 kg.
Attribute	variableWeightRangeMaximum,	Measurement	0..1	Variable Weight Range Maximum (also called Catchweight Range Maximum) identifies the highest or ceiling weight of a variable weight product.
Attribute	variableWeightRangeMinimum	Measurement	0..1	Variable Weight Range Minimum (also called Catch weight Range Minimum) identifies the lowest weight of the variable weight product.
VariableTradeItemInformationModule				A module containing information specific to variable weight or dimension trade items.
Association		VariableTradeItemInformation	0..1	Information specific to variable weight or dimension trade items.

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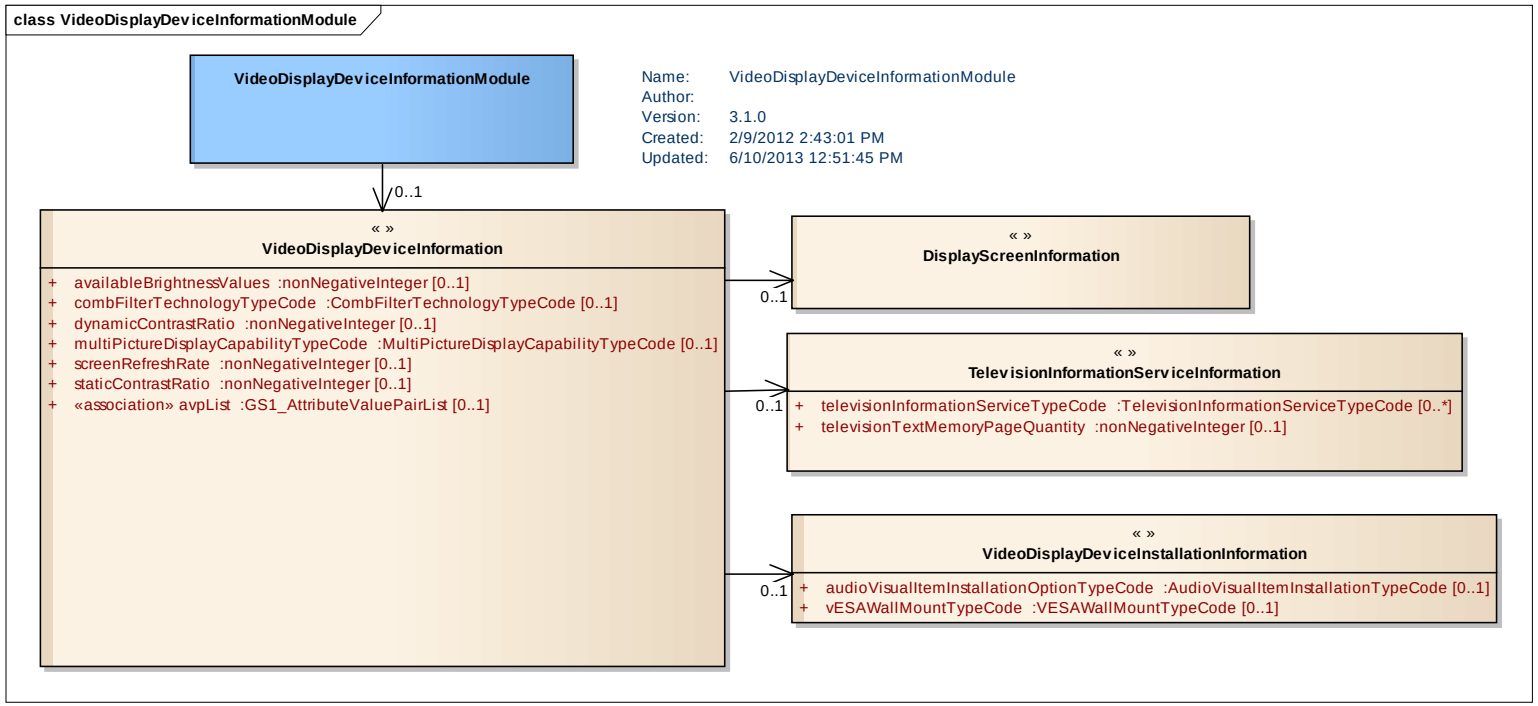
5.68. Video Display Device Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
TelevisionInformationServiceInformation				A capability of the television to process text information service (subtitled or captioned) for example Teletext, Telidon, Antiope, Fastext.
Attribute	televisionInformationServiceTypeCode	TelevisionInformationServiceTypeCode	0..*	The type of text information services the unit can process expressed as a code for example ANTIOPE.
Attribute	televisionTextMemoryPageQuantity	nonNegativeInteger	0..1	This is the quantity of pages expressed as an integer that the television memory maintains for previously viewed Teletext content.

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content	attribute / role	datatype /secondary class	multiplicity	definition
VideoDisplayDeviceInstallationInformation				Installation information for a audio visual item.
Attribute	audioVisualItemInstallationOptionTypeCode	AudioVisualItemInstallationTypeCode	0..1	The way that the unit can be mounted or placed expressed as a code for example CEILING_MOUNT.
Attribute	vESAWallMountTypeCode	VESAWallMountTypeCode	0..1	The type of VESA wall mount the television is compatible with. VESA is a standard bracket which is a universal mount measured by the Video Electronic Standard Association.
VideoDisplayDeviceInformation				Information of the video capabilities of the trade item.
Association		TelevisionInformationServiceInformation	0..1	A capability of the television to process text information service (subtitled or captioned) for example Teletext, Telidon, Antiope, Fastext.
Association		VideoDisplayDeviceInstallationInformation	0..1	Installation information for a audio visual item.
Association		DisplayScreenInformation	0..1	Details on television or monitor screens for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	availableBrightnessValues	nonNegativeInteger	0..1	The monitor brightness as a measurement. This is measured in candela per square meter (also known as Nits) or lumens per square meter, and Lux.
Attribute	combFilterTechnologyTypeCode	CombFilterTechnologyTypeCode	0..1	A code depiction the type of software allowing the screen to show fine picture detail from channel broadcast or DVD source for example DIGITAL.
Attribute	dynamicContrastRatio	nonNegativeInteger	0..1	This is the ratio of luminosity of the brightest and darkest colour the system is capable of producing simultaneously over time. In the attribute the integer given is the first number in the ratio which is always to one, i.e. 550:1.
Attribute	multiPictureDisplayCapabilityTypeCode	MultiPictureDisplayCapabilityTypeCode	0..1	The type of ability to simultaneously display multiple viewing windows on the same screen expressed as a code for example PICTURE_AND_TEXT.
Attribute	screenRefreshRate	nonNegativeInteger	0..1	This is defined as the number of times a display's image is repainted or refreshed in per second measured in Hertz.

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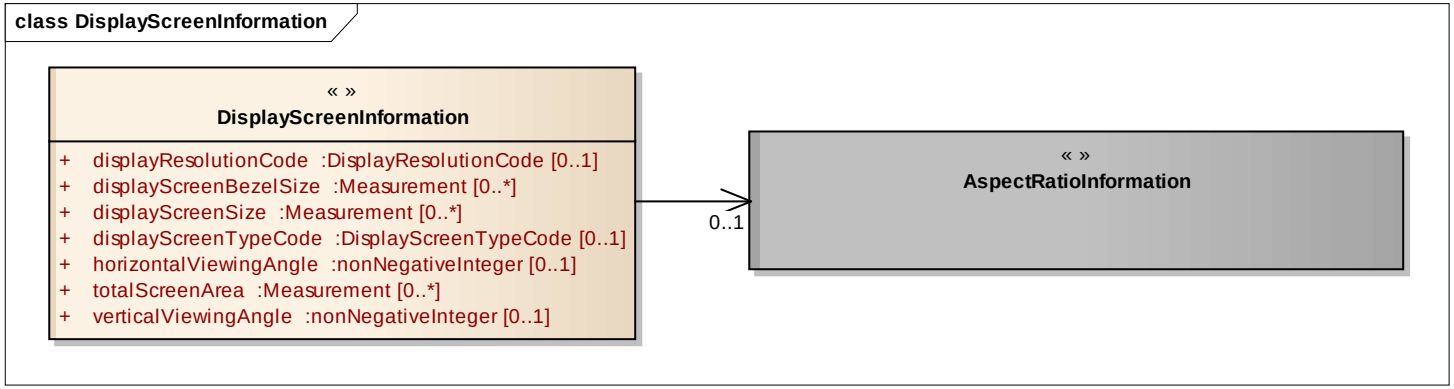
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	staticContrastRatio	nonNegativeInteger	0..1	This is the ratio of luminosity of the brightest and darkest colour the system is capable of producing simultaneously at any instance of time. In the attribute the integer given is the first number in the ratio which is always to one, i.e. 550:1.
VideoDisplayDeviceInformationModule				A module containing Information of the capabilities of a trade item that displays visual images for example a television or a computer monitor.
Association		VideoDisplayDeviceInformation	0..1	Information of the video capabilities of the trade item.



content	attribute / role	datatype /secondary class	multiplicity	definition
DisplayScreenInformation				Details on television or monitor screens for a trade item.
Association		AspectRatioInformation	0..1	Aspect ratio information for a display screen.
Attribute	displayResolutionCode	DisplayResolutionCode	0..1	The display resolution of a television or computer display. This typically refers to the number of distinct pixels in each dimension that can be displayed for example 720x480, 1680x1050, etc.
Attribute	displayScreenBezelSize	Measurement	0..*	The measurement from the edge of physical screen to the frame.
Attribute	displayScreenSize	Measurement	0..*	The viewable display/screen size of the product expressed as a measurement (inches or centimetres).

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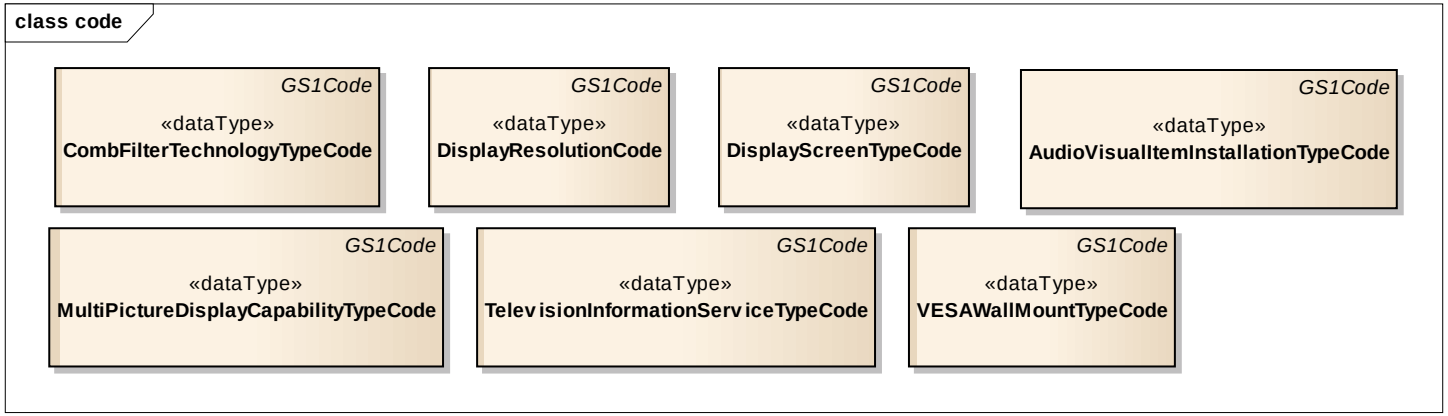
content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	displayScreenTypeCode	DisplayScreenTypeCode	0..1	The type of output device for presentation of visual information.
Attribute	horizontalViewingAngle	nonNegativeInteger	0..1	The maximum angle that a picture can be viewed without distortion in the horizontal orientation expressed in degrees.
Attribute	totalScreenArea	Measurement	0..*	The area of a television or monitor screen typically measured as viewable screen height by viewable screen width.
Attribute	verticalViewingAngle	nonNegativeInteger	0..1	The maximum angle that a picture can be viewed without distortion in the vertical orientation expressed in degrees.



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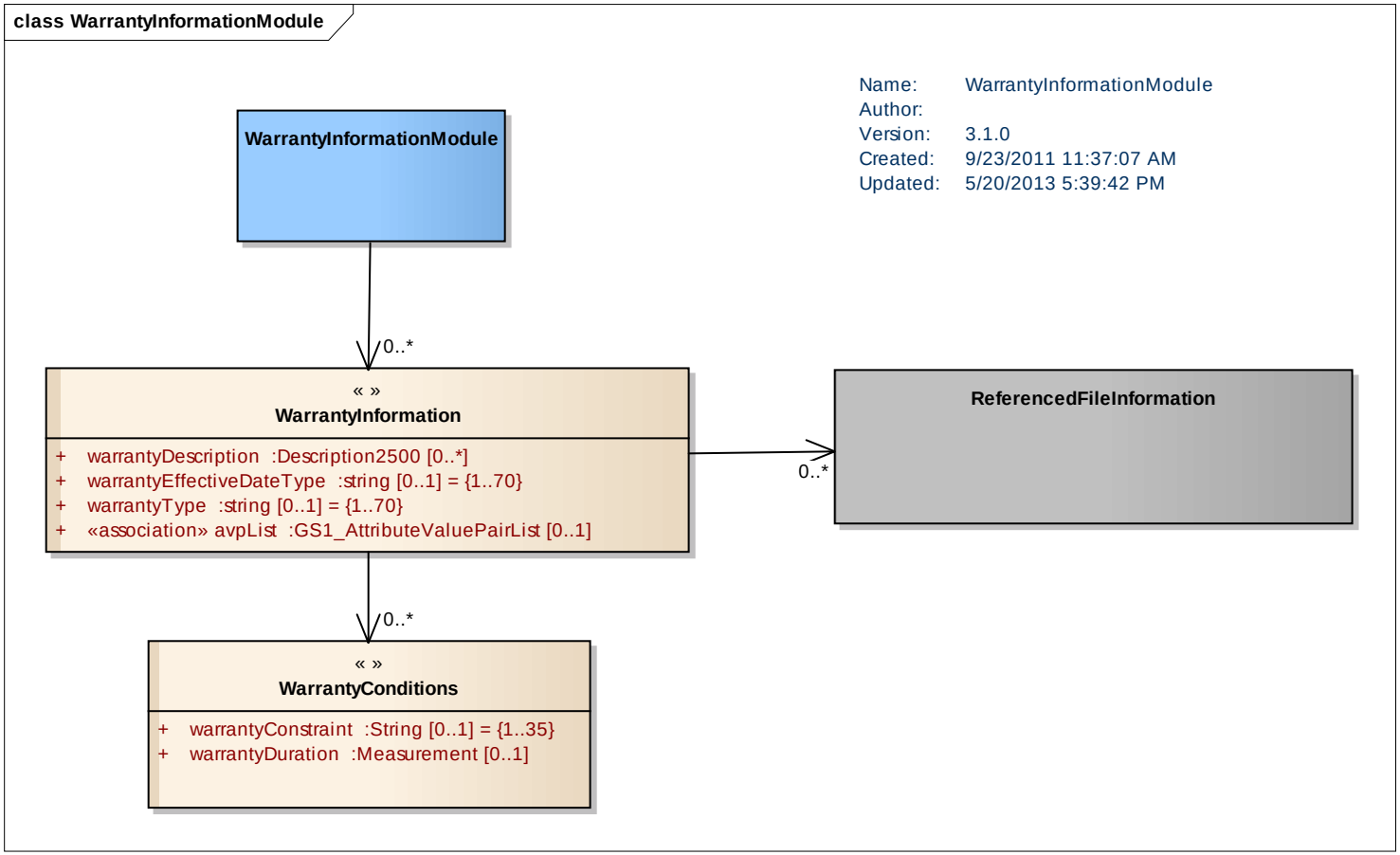
5.69. Warranty Information Module



content	attribute / role	datatype /secondary class	multiplicity	definition
WarrantyConditions				Provides information on the usually written guarantee of the integrity of a product and of the maker's responsibility for the repair or replacement of defective parts.
Attribute	warrantyConstraint	string	0..1	Determines the relationship between multiple warranty conditions for example “and”, “or” , “greatest”, “least”.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Attribute	warrantyDuration	Measurement	0..1	The time period that the warranty is valid within.
WarrantyInformation				An assurance that the trade item is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.
Association		ReferencedFileInformation	0..*	External file information for a warranty.
Association		WarrantyConditions	0..*	Warranty Conditions for this Trade Item Warranty.
Association	avpList	GS1_AttributeValuePairList	0..1	Attribute value pair information.
Attribute	warrantyDescription	Description2500	0..*	The description of warranty available for the trade item.
Attribute	warrantyEffectiveDateType	String	0..1	The type of date associated with the warranty trade item usually expressed as an event date for the item for example date of purchase, date of manufacture or date of delivery.
Attribute	warrantyType	String	0..1	The type of warranty available for the trade item for example labour, distance, extended service.
WarrantyInformationModule				An assurance that the trade item is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.
Association		WarrantyInformation	0..*	A module containing any warranty information relevant to a trade item.

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6. Code Lists

6.1. Acidification Measurement Protocol Code

GS1 Code List	AcidificationMeasurementProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
LIME2	LIME2
OTHER	Code value not available in code list.
RECIPE	RECIPE
TRACI	TRACI

6.2. Acidification Measurement Reference Substance Code

GS1 Code List	AcidificationMeasurementReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_SO2_EQ_PER_FU	Kilogram SO2 equivalent per functional unit.
H_PLUS_EQ_PER_YR_PER_FU	H Plus equivalent per year per functional unit.
OTHER	Code value not available in code list.

6.3. Allergen Type Code

GS1 Code List	AllergenTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AA	Refers to the presence of Amylcinnamyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AC	Refers to the presence of Crustaceans and their derivatives in the product, as

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	listed as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AD	Refers to the presence of 3-Amino-2,4-dichlorophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AE	Refers to the presence of eggs and their derivatives in the product, as listed as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AF	Refers to the presence of Fish and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AH	Refers to the presence of Anise Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AI	Refers to the presence of Alpha-Isomethyl Ionone also known as 3 Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-on as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AL	Refers to the presence of Amyl Cinnamal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AM	Refers to the presence of milk and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AN	Refers to the presence of tree nuts and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName. Tree nuts can include almonds, hazelnut, walnut, cashews, etc.
AP	Refers to the presence of peanuts and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AS	Refers to the presence of sesame seeds or their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AU	Refers to the presence of Refers to the presence Sulphur Dioxide and Sulphites in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AW	Refers to the presence of cereals containing gluten and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
AX	Refers to the presence of other gluten containing grain and gluten containing grain products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
AY	Refers to the presence of soybeans and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BA	Refers to the presence of Benzyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BB	Refers to the presence of Benzyl Benzoate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BC	Refers to the presence of celery or their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BE	Refers to the presence of 2-(4-tert-Butylbenzyl) also known as Butylphenyl

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	Methylpropional as listed in the regulations specified in the AllergenSpecificationAgency and AllergenSpecificationName..
BF	Refers to the presence of beef and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BI	Refers to the presence of Benzyl Cinnamate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BM	Refers to the presence of mustard or their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BN	Refers to the presence of Isoeugenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BO	Refers to the presence of d-Limonene as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BP	Refers to the presence of Linalool as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BQ	Refers to the presence of Methyl heptin carbonate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
BR	Refers to the presence of 1,3-Bis-(2,4-diaminophenoxy)propane as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
BS	Refers to the presence of Benzyl Salicylate as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CA	Refers to the presence of Cinnamyl Alcohol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CL	Refers to the presence of Cinnamal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CM	Refers to the presence of chicken meat and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
CN	Refers to the presence of Citronellol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CO	Refers to the presence of Coumarin as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
CS	Refers to the presence of Cotton Seeds or their derivatives in the product as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
CT	Refers to the presence of Citral as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
DA	Refers to the presence of 2,6-Dimethoxy-3,5-pyridinediamine HCl as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
DP	Refers to the presence of Diaminophenols as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
EG	Refers to the presence of Eugenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
EP	Refers to the presence of Oak moss extract (Evernia Prunastri) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
EV	Refers to the presence of Treemoss extract (Evernia Furfuracea) as listed in the regulations specified in AllergenSpecificationAgency and

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	AllergenSpecificationName
FA	Refers to the presence of Farnesol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
FH	Refers to the presence of 4-Hydroxy-propylamino-3-nitrophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
FT	Refers to the presence of 4-Amino-3-nitrophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GB	Refers to the presence of Barley and barley products (gluten containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GE	Refers to the presence of Geraniol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GK	Refers to the presence of kamut and kamut products (gluten containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GL	Refers to the presence of glutamate and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
GO	Refers to the presence of oat and oat products (gluten containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
GS	Refers to the presence of spelt and spelt products (gluten containing grain) as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HB	Refers to the presence of HC Blue No 12 as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HC	HC Refers to the presence of Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde also known as Hydroxy-methylpentylcyclohexenecarboxaldehyde as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HD	Refers to the presence of HC Blue No 11 as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HE	Refers to the presence of Hydroxybenzomorpholine as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HH	Refers to the presence of Hydroxypropyl bis(N-hydroxyethyl-p-phenyldiamine) HCl as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HN	Refers to the presence of Hydroxyethyl-2-nitro-p-toluidine as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HP	Refers to the presence of 2-Hydroxyethyl-picramic acid as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HX	Refers to the presence of Hexyl Cinnamaldehyde as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
HY	Refers to the presence of Hydroxycitronellal as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
ML	Refers to the presence of lactose as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
MH	Refers to the presence of 2-Methyl-5-hydroxyethylaminophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NC	Refers to the presence of cocoa and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and

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	AllergenSpecificationName
NE	Refers to the presence of peas and pea products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NK	Refers to the presence of coriander and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NL	Refers to the presence of Lupine and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NM	Refers to the presence of corn and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NP	Refers to the presence of pod fruits and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NR	Refers to the presence of rye and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
NW	Refers to the presence of carrot and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
ON	Refers to the presence of 1-Naphthol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PM	Refers to the presence of p-Methylaminophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PN	Refers to the presence of Pine Nuts and their derivatives as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PO	Refers to the presence of pork and its derivative in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PP	Refers to the presence of p-Phenylenediamine in the product as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
PS	Refers to the presence of Poppy Seeds or their derivatives in the product as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SA	Refers to the presence of almond and almond products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SB	Refers to the presence of seed products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SC	Refers to the presence of cashew and cashew products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SH	Refers to the presence of hazelnut and hazelnut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SM	Refers to the presence of macadamia nut and macadamia nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SO	Refers to the presence of coconut and their derivatives as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

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SP	Refers to the presence of pecan nut and pecan nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SQ	Refers to the presence of queensland nut and queensland nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SR	Refers to the presence of brazil nut and brazil nut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SS	Refers to the presence of Sunflower Seeds or their derivatives in the product as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
ST	Refers to the presence of pistachio and pistachio products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
SW	Refers to the presence of walnut and walnut products as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName
SX	Refers to the presence of pulses. An annual leguminous crop yielding from one to twelve seeds of variable size, shape, and colour within a pod as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName. Pulses are used for food and animal feed. The term "pulse", as used by the Food and Agricultural Organization (FAO), is reserved for crops harvested solely for the dry seed. This excludes green beans and green peas, which are considered vegetable crops. Also excluded are crops that are mainly grown for oil extraction.
TA	Refers to the presence of 3-Aminophenol as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
TD	Refers to the presence of Toluene-2,5-diamine as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
TR	Refers to the presence of Triticale and their derivatives as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
UM	Refers to the presence of molluscs and their derivatives in the product, as listed in as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
UN	Refers to the presence of shellfish as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
UW	Refers to the presence of wheat and their derivatives in the product, as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.
X99	Does not contain declaration obligatory allergens as listed in the regulations specified in AllergenSpecificationAgency and AllergenSpecificationName.

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6.4. Application Identifier Type Code

GS1 Code List	ApplicationIdentifierTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
10	Batch Number
15	Best Before Date
17	Expiry date
310N	Net Weight in Kilogram ("n" indicates the number of decimals)

6.5. Aquatic Eutrophication Water Body Type Code

GS1 Code List	AquaticEutrophicationWaterBodyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
RECEIVING_MEDIA_FRESHWATER	Water that does not contain a large amount of salt.
RECEIVING_MEDIA_MARINE_WATER	Of, found in, or produced by the sea
OTHER	Code value not available in code list.

6.6. Aquatic Eutrophication Model Code

GS1 Code List	AquaticEutrophicationModelCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EDIP2003	EDIP2003
LIME2	LIME2
OTHER	Code value not available in code list.
RECIPE	RECIPE
TRACI	TRACI

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6.7. Aquatic Eutrophication Reference Substance Code

GS1 Code List	AquaticEutrophicationReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_P_EQ_PER_FU	Kilograms P equivalent per functional unit.
KG_N_EQ_PER_FU	Kilograms N equivalent per functional unit.
OTHER	Code value not available in code list.

6.8. Aspect Ratio Description Code

GS1 Code List	AspectRatioDescriptionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANAMORPHIC	A widescreen picture on standard 35 mm film, or other visual recording media, with a non-widescreen native aspect ratio.
ANAMORPHIC_FULLSCREEN	A video encoding technique used to optimize the vertical picture resolution for full screen.
ANAMORPHIC_WIDESCREEN	Anamorphic widescreen is a video encoding technique used to optimize the vertical picture resolution of widescreen images by squeezing these horizontally into a 4:3 native aspect ratio.
FULLSCREEN	A fullscreen image or video occupies the screen entirely. A video display having an aspect ratio of 4:3
FULLSCREEN_WIDESCREEN	Not Available
WIDESCREEN	A widescreen film is any film image with a width-to-height aspect ratio greater than the standard 1.37:1 aspect ratio provided by 35mm film.

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6.9. Aspect Ratio Dimension Code

GS1 Code List	AspectRatioDimensionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1_33	An aspect ration of 1:33
1_33_2_40	An Aspect ratio of 1:33 to 2:40
1_33_1_85	An Aspect ratio of 1:33 to 1:85
1_33_2_35	An Aspect ratio of 1:33 to 2:35
1_55	An Aspect ratio of 1:55
1_66	An Aspect ratio of 1:66
1_77	An Aspect ratio of 1:77
1_78	An Aspect ratio of 1:78
1_85	An Aspect ratio of 1:85
2_20	An Aspect ratio of 2:20
2_35	An Aspect ratio of 2:35
1_85_2_33	An Aspect ratio of 1:85 to 2:33
2_40	An Aspect ratio of 2:40
2_55	An Aspect ratio of 2:55
4_3	An Aspect ratio of 4:3.

6.10. Audio Sound Type Code

GS1 Code List	AudioSoundTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BETA_HIFI	High fidelity audio introduced by Sony.
BETA_HIFI_DOLBY_SURROUND_SOUND	High fidelity audio with Dolby Surround Sound introduced by Sony.
BETA_HIFI_M_C_D_SURROUND_SOUND	High fidelity audio introduced by Sony.
BETA_HIFI_STEREO_DIGITAL_MAST	Digitally mastered high fidelity audio introduced by Sony.
BETA_HIFI_STEREO_DIGITAL_REC	Digitally recorded high fidelity audio introduced by Sony.
BETA_HIFI_STEREO_M_C	High fidelity audio introduced by Sony.

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DIGITALLY_MASTERED	Digitally mastered.
DIGITALLY_RECORDED	Digitally recorded.
DOLBY_DIGITAL_5_0	Dolby Digital
DOLBY_DIGITAL_5_0_DSS	Dolby Digital in the DSS audio file format.
DOLBY_DIGITAL_5_1	Dolby Digital with 5.1-channel audio
DOLBY_DIGITAL_5_1_DSS	Dolby Digital with 5.1-channel audio in the DSS audio file format.
DOLBY_DIGITAL_5_1_DTS	Dolby Digital with 5.1-channel audio in the DSS audio file format.
DOLBY_MPMTRX_HIFI	Dolby MPMTRX with high fidelity.
DOLBY_MPMTRX_STEREO	Dolby MPMTRX recorded in stereo.
DOLBY_STEREO	Stereo with Dolby noise reduction.
DOLBY_STEREO_4_0	Dolby Digital with 5.1-channel audio.
DOLBY_STEREO_HIFI	Dolby recorded in high fidelity stereo.
DVD_DOLBY_SURROUND_SOUND	DVD format with Dolby Surround Sound introduced by Sony.
LASER_DOLBY_SURROUND_SOUND	Laser Disc format with Dolby Surround Sound introduced by Sony.
MONO	Monophonic reproduction.
MONO_HIFI	High fidelity monophonic reproduction.
STEREO	Stereo.
STEREO_HIFI	High fidelity stereo.
ULTRA_SOUND	Ultra sound audio.
ULTRA_STEREO	A cinema sound system that was developed in 1984.
VHS_DOLBY_STEREO_D_M	VHS format.
VHS_DOLBY_STEREO_D_R	VHS format in stereo with dynamic range.
VHS_HIFI	VHS format recorded in high fidelity.
VHS_HIFI_DOLBY_SURROUND_SOUND	VHS format with dolby surround sound.
VHS_HIFI_M_C_D_SURROUND_SOUND	VHS format.
VHS_HIFI_STEREO_D_M	High fidelity VHS format
VHS_HIFI_STEREO_D_R	High fidelity VHS format.
VHS_HIFI_STEREO_D_STRO_D_M	High fidelity VHS format.
VHS_HIFI_STEREO_D_STRO_D_R	VHS format in high fidelity stereo with dynamic range.
VHS_HIFI_STEREO_D_SYS_D_M	VHS format in high fidelity stereo
VHS_HIFI_STEREO_D_SYS_D_R	VHS format in hi fidelity stereo with dynamic range.
VHS_HIFI_STEREO_DOLBY_STRO_M_C	VHS format in High fidelity stereo
VHS_HIFI_STEREO_DOLBY_SYS_M_C	VHS format in High fidelity stereo
VHS_HIFI_STEREO_M_C	VHS format in High fidelity stereo

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6.11. Audio Visual Connection Input Direction Code

GS1 Code List	AudioVisualConnectionInputDirectionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
INPUT	Transmission into a device
OUTPUT	Transmission out of a device

6.12. Audio Visual Connection Location Code

GS1 Code List	AudioVisualConnectionLocationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BACK	Located on the back of the unit.
BOTTOM	Located on the bottom of the unit.
FRONT	Located on the front of the unit.
LEFT	Located on the left side of the unit.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
OTHER	A connection location not otherwise on this list.
RIGHT	Located on the right side of the unit.
TOP	Located on the top of the unit.

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6.13. Audio Visual Connection Type Code

GS1 Code List	AudioVisualConnectionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
3_5_MM_STEREO_HEADPHONE_PROJECTED_JACK	A headphone jack with a diameter of 3.5 millimetres.
1_5_MM_MINI_STEREO_JACK	A wired stereo headphone jack with an approximate diameter of 1.5 millimetres.
3_5_MM_STEREO_HEADPHONE_JACK	A wired stereo headphone jack with an approximate diameter of 3.5 millimetres.
4_PIN_4_PIN	A connector that allows for 4 pins on both sides of the connecting wire.
6_PIN_4_PIN	A connector that allows for 6 pins on one side and 4 pins of the connecting wire.
6_PIN_6_PIN	A connector that allows for 6 pins on both sides of the connecting wire.
A_A	Not available.
A_B	Not available.
ANALOGUE	A connector that communicates analogue signals.
BLUETOOTH	A wireless protocol for exchanging data over short distances.
AV	Any kind of electrical connectors for carrying audio signal and video signal of either analogue or digital format.
COAXIAL	An electrical cable with an inner conductor surrounded by a tubular insulating layer.
COMPONENT_BNC	A connector is used for radio frequency signal connections, for analogue and Serial Digital Interface video signals, amateur radio antenna connections, aviation electronics (avionics) and many other types of electronic test equipment.
COMPONENT_RCA	A type of electrical connector commonly used to carry audio and video signals.
DV_INPUT	A digital video input.
FIREWIRE	A serial bus interface
HDMI	A compact audio/video interface for transmitting uncompressed digital data.
HUSHIDEN_YC	A connector with separate lines for brightness (Y, luminance with synchronization data) and color (C, chrominance) via a 4-pin Hosiden connector.
INFRARED_HEADPHONE	A connection for head phones using electromagnetic

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	radiation.
LAN	Local area network connector.
MINI_HDMI	A form of compact audio/video interface for transmitting uncompressed digital data.
MINI_USB	A form of Universal Serial Bus connector.
MONITOR	A connector used to connect systems with display monitors.
NETWORK	A connector used to connect network applications.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
OTHER	A connection type not on otherwise on this list.
PERITEL_CGBS	A peritel connector.
PERITEL_RGB	A peritel connector for red, green, blue analogue component video.
PERITEL_YC	A peritel connector for analog video transmission (no audio) that carries standard definition video typically at 480i or 576i resolution.
PHONE	A connector used to connect to a telephone.
PHONE_NETWORK	A connector used to connect to a telephone network
QXGA	Quad eXtended Graphics Array
RADIO_FREQUENCY_HEADPHONE	A headphone connection using radio frequencies as a means to communicate with the headphones.
RCA_CINCH	A type of electrical connector used in the audio/video market.
RGB_ENABLED_SCART	A SCART connector for red, green, blue analogue component video.
SCART	21-pin connector for connecting audio-visual (AV) equipment together.
SVGA	Super Video Graphics Array
SVHS	Super VHS
SXGA	Super eXtended Graphics Array
SXGA_PLUS	Super eXtended Graphics Array Plus
USB_1_0	Version 1.0 of Universal Serial Bus connector standard.
USB_2_0	Version 2.0 of Universal Serial Bus connector standard.
UXGA	Ultra eXtended Graphics Array
VGA	Video Graphics Array
WIRELESS_LAN	A Local Area Network connection that communicates without the use of wired connections.
WIRELESS_USB	A Universal Serial Bus connector that communicates without the use of wired connections.
WXGA	Wide Extended Graphics Array
XGA	Extended Graphics Array

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XGA_PLUS	eXtended Graphics Array Plus
YUV	A connector handling the YUV color space.

6.14. Audio Visual Media Contributor Type Code

GS1 Code List	AudioVisualMediaContributorTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ARTIST	Name of the recording artist associated with this recording.
ASSISTANT_PRODUCER	Name of the assistant movie producer of the movie (as distinguished from the executive producer).
COMPOSER	Name of the person who writes a written piece of music.
DIRECTOR	Name of the person who leads a musical ensemble.
FILM_DIRECTOR	The name (first name and last name) of the person who directed the film.
ORCHESTRA	Name of the group of musicians organized to perform the ensemble music piece.
PRODUCER	Name of the executive producer of the movie.
TALENT	The name (first name and last name) of a person who is a talent in a film.
WRITER	The name of the person who wrote the film or the screenplay.

6.15. Audio Visual Item Installation Type Code

GS1 Code List	AudioVisualItemInstallationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CABINET_STAND	Mounted in a cabinet.
CEILING_MOUNT	Mounted on the ceiling.
DESKTOP_TV_STAND	Placed on the top of a desk.
WALL_BRACKET	Attached to a wall.

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6.16. Audio Visual Media Date Type Code

GS1 Code List	AudioVisualMediaDateTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FIRST_EDITION	The date on which a music publication is first edited.
LAST_MANUFACTURER_UPDATE	The last date (including time) on which the manufacturer has made a change to the trade item.
RENTAL_STREET	The date including time when the trade item can be rented for the first time.
RERELEASE	The date (including time) on which the trade item is re-released (using the same GTIN).
THEATRICAL_RELEASE	The date (including time) when the film was released in cinemas.

6.17. Average Distance To Point Of Packaging Code

GS1 Code List	AverageDistanceToPointOfPackagingCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	0-4 miles/ 0-6.44 kilometres
2	Over 4 to 500miles/ Over 6.44 to 804 kilometres
3	Over 500 to 3000miles/ Over 804k to 4828 kilometres
4	Over 3000 miles/4829 kilometres

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6.18. AVP Code List Name Code

GS1 Code List	AVPCodeListNameCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CURRENCY_CODE	Currency Code List is being used to qualify AVP.
LANGUAGE_CODE	Language Code List is being used to qualify AVP.
MEASUREMENT_CODE	Measurement Code List is being used to qualify AVP.

6.19. Battery Technology Type Code

GS1 Code List	BatteryTechnologyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALKALINE	Battery dependent upon the reaction between zinc and manganese dioxide.
CARBON_ZINC	A battery is packaged in a zinc can that serves as both a container and negative terminal.
LITHIUM_ION_POLYMER	A type of battery in which lithium ions move from the anode to the cathode during discharge, and from the cathode to the anode when charged.
METAL_LITHIUM	A lithium battery that used metallic lithium as anode.
NICKEL_CADMIUM	A type of rechargeable battery using nickel oxide hydroxide and metallic cadmium as electrodes.
NICKEL_METAL_HYDRIDE	A type of secondary electrochemical cell similar to nickel hydrogen cell.
OTHER	A battery technology not on otherwise on this list.
SILVER_OXIDE	A type of silver–zinc battery.

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6.20. Battery Type Code

GS1 Code List	BatteryTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
15F15	Zn/MnO2 battery also identified by IEC name 15F15 and other common names: NEDA 221 BLR155
15F20	Zn/MnO2 non-round multiple cell Battery identified by IEC name 15F20 and other common names: 22½-volt,
20F20	Zn/MnO2 non-round multiple cell Battery identified by the common name 30-volt
2CR1_3N	Lithium button cells - coin, watch, micro, miniature identified by IEC name 2CR1/3N with no other common name.
2CR11108	6V round Lithium Battery identified by the IEC name 2CR11108 and other common names : PX28LBPK, PX-28LB,28L, L28PX
2CR5	Lithium camera Cell/Batteries identified by IEC name 2CR5 and those other common names EL2CR5, DL245, RL2CR5, 6135-99-577-2940
2R10	Carbon-zinc round multiple cell identified by IEC name 2R10 and those other common names Duplex, Ever Ready No. 8
3LR12	Alkaline non-round batteries, identified by IEC name 3LR12 and those other common names : 4.5-volt, Pocketable Battery, 1203, 4.5 V, Type 3336 (Soviet Union/Russian Federation), 6135-99-738-4038
3R12	Carbon-zinc non-round batteries, identified by IEC name 3R12 and those other common names 4.5-volt, Pocketable Battery, 1203, 4.5 V, Type 3336 (Soviet Union/Russian Federation), 6135-99-738-4038
4LR44	Alkaline Round multiple cell identified by IEC name 4LR44 and those other common names 4SR44, PX28A, A544, K28A, V34PX
6F22	Carbon-zinc non-round batteries identified by IEC name 6F22 and those other common names : 4LR449-volt, PP3, Radio battery, Smoke Alarm (UK/US), MN1604, Square battery, Krona (Soviet Union/Russian Federation), Transistor, 6135-99-634-8080
8LR932	Alkaline round multiple cell identified by IEC name 8LR932 and those other common names : A23, V23GA, 23A, 23AE, MN21, L1028, 8LR23, LRV08
9_VOLT	A rectangular prism shape with rounded edges and a polarized snap connector at the top identified by IEC names 6LR61 (alkaline), 6F22 (Carbon-Zinc), 6KR61 (NiCd), 6HR61(NiMh).
A	More common as a NiCd or NiMH cell size than a primary size, popular in older laptop batteries and hobby battery packs.
AA	A standard size of battery. Batteries of this size are the most commonly used type of in portable electronic devices.
AAA	A standard size of dry cell battery commonly used in portable electronic devices.
B	Battery used to provide the plate voltage of a vacuum tube.
C	A standard size of battery typically used in medium-drain applications such as toys and musical instruments.
CR2	Lithium camera Cell/Batteries identifed by IEC name CR17355 and those other common names : 15270 (Li-Ion Rechargeable), 6135-99-606-3982 (NSN)
CR1025	Lithium button cells identifed by IEC name CR1025 and common name

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	5033LC
CR1216	Lithium button cells identifed by IEC name CR1216 and common name 5034LC
CR1220	Lithium button cells identifed by IEC name CR1220 and common name 5012LC
CR1225	Lithium button cells identifed by IEC name CR1225 and common name 5020LC
CR123A	Lithium Camera Battery identifed by IEC name CR17345 and the other common names: 2/3A, 123, CR123, 17345, 16340, CR123A, 6135-99-851-1379 (NSN)
CR1616	Lithium button cells identifed by IEC name CR1225
CR1620	Lithium button cells identifed by IEC name CR1620 and common name 5009LC
CR1632	Lithium button cells identifed by IEC name CR1632
CR2012	Lithium button cells identifed by IEC name CR2012
CR2016	Lithium button cells identifed by IEC name CR2016 and common name 5000LC
CR2025	Lithium button cells identifed by IEC name CR2025 and common name 5003LC
CR2032	Lithium button cells identifed by IEC name CR2032 and common name 5004LC
CR2330	Lithium button cells identifed by IEC name CR2330
CR2354	Lithium button cells identifed by IEC name CR2354
CR2430	Lithium button cells identifed by IEC name CR2430 and other common name 5011LC
CR2450	Lithium button cells identifed by IEC name CR2450 and other common name 5029LC
CR2477	Lithium button cells identifed by IEC name CR2477
CR3032	Lithium button cells identifed by IEC name CR3032
CR6362	Lithium button cells identifed by IEC name CR636-2
CR7362	Lithium button cells identifed by IEC name CR736-2
CR927	Lithium button cells identifed by IEC name CR927
CRP2	Lithium camera Cell/Batteries identifed by IEC name CR-P2 and other common names : CR927, BR-P2, 223A, CR17-33, 5024LC
CRV3	Lithium camera Cell/Batteries identifed by IEC name CRV3
D	A cylindrical battery with electrical contacts at each end; the positive end having a nub or bump.
J	Alkaline non-round multiple cell identifed by IEC name 4LR61, ANSI Name J and other common name 7K67
LR03	"Common alkaline round cell identified by IEC name LR03 and other common names: AAA, U16 or HP16 (In Britain until the 1980s), Micro, Microlight, MN2400, MX2400, Type 286 (Soviet Union/Russia), UM 4 (JIS), #7 (China), 6135-99-117-3143
LR09	Non common non round 1.5V Alkaline Battery
LR1	Alkaline Round single-cell identified by IEC name LR1 and other common names : N, Lady, MN9100, UM-5 (JIS), E90, 6135-99-661-4958 (NSN)
LR14	Common alkaline round cell identified by the IEC name LR14 and other common names : C, U11 or HP11 (In Britain until the 1980s), MN1400, MX1400, Baby, Type 343 (Soviet Union/Russia), BA-42 (US Military Spec WWII–1980s), UM 2 (JIS), #2 (China), 6135-99-199-4779 (NSN)(carbon-zinc), 6135-99-117-3212 (NSN)
LR20	Common alkaline round cell identified by the IEC name LR20 and the common names : D, U2 or HP2 (In Britain until the 1980s), Flashlight Battery, MN1300, MX1300, Mono, Goliath, Type 373 (Soviet Union/Russia), BA-30 (US Military Spec WWII–1980s), UM 1 (JIS), #1 (China), 6135-99-464-1938 (NSN)(carbon-zinc), 6135-99-109-9428 (NSN)(alkaline)
LR25	Alkaline round single-cell identified by IEC name LR25 and common name F
LR41	Alkaline button cells identified by IEC name LR736 and other common names : LR41, AG3/SG3/G3-A, 192/384/392, 6135-99-949-0402 (NSN)(S)
LR42	Alkaline button cells identified by IEC name LR1136 and other name LR42.

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LR43	Alkaline button cells identified by IEC name LR1142 and other common names : LR43, AG12/SG12, L1142, 186/301/386, 6135-99-547-0573 (NSN)(S), VINNIC
LR44	Alkaline button cells identified by IEC name LR1154 and other common names : LR44, AG13/SG13, LR44/LR154, 6135-99-792-8475 (NSN)(alkaline), 6135-99-651-3240 (NSN)(S), A76/S76/EPX76, 157/303/357, 1128MP, 208-904, A-76, A613, AG14, AG-14, CA18, CA19, CR44, D76A, G13A, G13-A, GDA76, GP76A, GPA7, GPA75, GPA76, GPS76A, KA, KA76, AG76, L1154, L1154C, L1154F, L1154G, L1154H, LR44G, LR44GD, LR44H, MS76H, PX76A, PX675A, RPX675, RW82, SB-F9, V13G, 357A
LR48	Alkaline button cells identified by IEC name LR754 and other common names : AG5/SG5, LR48, 193/309/393,
LR54	Alkaline button cells identified by IEC name LR1131 and other common names : LR54, AG10/SG10, 189/387/389/390, LR1130/SR1130, 6135-99-796-0471 (NSN)(S)
LR55	Alkaline button cells identified by IEC name LR1121 and other common names LR55, AG8/SG8, 191/381/391, LR1120
LR57	Alkaline button cells identified by IEC name LR926 and other common names LR57, AG7/SG7, LR57, 195/395/399, LR927/SR927, SR927W/GR927, 6135-99-796-0471 (NSN)(S)
LR58	Alkaline button cells identified by IEC name LR721 and other common name : LR58, AG11/SG11, 162/361/362
LR59	Alkaline button cells identified by IEC name LR726 and other common names LR59, AG2/SG2, 196/396/397
LR6	"Common alkaline round cell identified by IEC name LR6 and other common names : AA,D14 or HP7 (In Britain until the 1980s), Pencil-sized, Penlight, Mignon, MN1500, MX1500 Type 316 (Soviet Union/Russia), UM 3 (JIS), #5 (China), 6135-99-052-0009 (NSN)(carbon-zinc), 6135-99-195-6708 (NSN)(alkaline)",
LR60	Alkaline button cells identified by IEC name LR621 and other common names : LR60, AG1/SG1, LR60, 164/364
LR61	Alkaline round cell identified by IEC name LR8D425 and other common name : AAAA
LR63	Alkaline button cell identified by IEC name LR521 and other common names : LR63, AG0/SG0, LR63, 379
LR68	Alkaline button cell identified by IEC name LR916 and other common names : LR68, SR916SW, 373
LR69	Alkaline button cell identified by IEC name LR921 and other common names : LR69, AG6/SG6, 171/371, LR920/SR920
N	Round cell identified by IEC name R1(carbon-zinc), LR1(alkaline), KR1(NiCd), HR1(NiMH). Other common names : Lady, MN9100, UM-5 (JIS), E90, 6135-99-661-4958 (NSN), N
NR50	Camera button battery identified by IEC name NR50
NR52	Camera button battery identified by IEC name NR52
PR41	Zinc air button cells identified by IEC name PR41 and other names : 312, brown tab, 6135-99-752-3528 (NSN)
PR43	Zinc air button cells identified by IEC name PR43 and other name AC41E
PR44	Zinc air button cells identified by IEC name PR44, and other names 675, blue tab
PR48	Zinc air button cells identified by IEC name PR48 and other names : 13,orange tab
PR70	Zinc air button cells identified by IEC name PR70 and other names : 10, yellow tab
R03	carbon–zinc commun round identified by the IEC name R03 and the other common names : AAA, U16 or HP16 (In Britain until the 1980s), Micro, Microlight, MN2400, MX2400, Type 286 (Soviet Union/Russia), UM 4 (JIS)[2], #7 (China), 6135-99-117-3143
R14C	carbon–zinc commun round cell identified by IEC name R14C
R14S	carbon–zinc commun round cell identified by IEC name R14S
R20C	carbon–zinc commun round cell identified by IEC name R20C

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R20S	carbon–zinc commun round cell identified by IEC name R20S
R25	Carbon-Zinc round cell identified by the IEC name R25 and the other name N.
R40	Carbon-Zinc round cell identified by the IEC name R40 and the other name : No. 6.
R6C	carbon–zinc commun round cell identified by IEC name R6C
R6S	carbon–zinc commun round cell identified by IEC name R6C
RCRV3	Li-ion Camera Cell/Battery identified by IEC name CR-V3, other common names : CRV3, RCR-V3
SR41	Sylver oxide button cells identified by IEC name SR736 and other common names : SR41, AG3/SG3/G3-A, 192/384/392, 6135-99-949-0402 (NSN)(S)
SR42	Sylver oxide button cells identified by IEC name SR1136 and other common name SR42
SR43	Sylver oxide button cells identified by IEC name SR1142 and other common SR43, AG12/SG12, L1142, 186/301/386, 6135-99-547-0573 (NSN)(S), VINNIC
SR44	Sylver oxide button cells identified by IEC name SR1154 identified by other common names : AG13/SG13, SR44, 6135-99-792-8475 (NSN)(alkaline), 6135-99-651-3240 (NSN)(S), A76/S76/EPX76, 157/303/357, 1128MP, 208-904, A-76, A613, AG14, AG-14, CA18, CA19, CR44, D76A, G13A, G13-A, GDA76, GP76A, GPA7, GPA75, GPA76, GPS76A, KA, KA76, AG76, L1154, L1154C, L1154F, L1154G, L1154H, LR44G, LR44GD, LR44H, MS76H, PX76A, PX675A, RPX675, RW82, SB-F9, V13G, 357A
SR45	Sylver oxide button cells identified by IEC name SR936 and other names AG9/SG9, SR45, 194/394, 135-99-782-4675 (NSN)(S)
SR48	Sylver oxide button cells identified by IEC name SR754 and other name SR48, AG5/SG5, 193/309/393
SR54	Sylver oxide button cells identified by IEC name SR1131 and other names SR54, AG10/SG10, 189/387/389/390, SR1130, 6135-99-796-0471 (NSN)(S)
SR55	Sylver oxide button cells identified by IEC name SR1121 and other common names : AG8/SG8, SR55, 191/381/391, SR1120
SR57	Sylver oxide button cells identified by IEC name SR926 and other common names : SR57, AG7/SG7, 195/395/399, SR927, SR927W, 6135-99-796-0471 (NSN)(S)
SR58	Sylver oxide button cells identified by IEC name SR721 and other common names SR58, AG11/SG11, 162/361/362
SR59	Sylver oxide button cells identified by IEC name SR726 and other common names SR59, AG2/SG2, 196/396/397
SR60	Sylver oxide button cells identified by IEC name SR621 and other common names : AG1/SG1, SR60, 164/364
SR63	Sylver oxide button cells identified by IEC name SR521, and other common names : AG0/SG0, SR63, 379
SR66	Sylver oxide button cells identified by IEC name SR626, and other common names : AG4/SG4, SR66, 177/376/377, SR626SW
SR68	Sylver oxide button cells identified by IEC name SR916 and other common names : SR68, SR916SW, 373
SR69	Sylver oxide button cells identified by IEC name SR921 and other common names : SR69, AG6/SG6, 171/371, LR920/SR920
SUB_C	Round single cell identified by IEC name KR22C429 (NiCd) and HR22C429 (NiMH).
LANTERN_SCREW	Non round multiple cell identified by IEC name 4R25X (carbon-zinc) or 4LR25X (alkaline), other common names : Lantern Screw, Lantern, 6 volt, Screw Top, 6135-99-645-6443 (NSN)
LANTERN_BIG	Common Non-round batteries identified by IEC name 4R25-2 (carbon-zinc) or 4LR25-2 (alkaline), other common names : 918, R25-2, Big Lantern, Double Lantern, MN918, Energizer 521
LANTERN_SPRING	Common Non-round batteries identified by IEC name 4LR25Y (alkaline) or 4R25 (carbon-zinc), other common names : Lantern, 6 volt, Spring Top, MN908 (UK), 996 or PJ996, Energizer 529, 6135-99-910-1145 (NSN), 908A
OTHER	Other type of battery.

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6.21. Bend Angle Code

GS1 Code List	BendAngleCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
180	A 180 degree angle commonly called a Return Bend
22_5	A 22.5 degree angle commonly called a 1/16 (Sixteenth) Bend
45	A 45 degree angle commonly called a 1/8 (Eighth) Bend
60	A 60 degree angle commonly called a 1/6 (Sixth) Bend
72	A 72 degree angle commonly called a 1/5 (Fifth) Bend
90	A 90 degree angle commonly called a 1/4 (Quarter) Bend

6.22. Brand Distribution Type Code

GS1 Code List	BrandDistributionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
~~PRIVATE_LABEL_DISTRIBUTION~~	~~A product that is produced strictly for a trading partner or a purchasing group. The brand label is owned by the recipient trading partner or purchasing group.~~
RESTRICTED_DISTRIBUTION	The Data Source has restrictions on where, how and/or to whom the product may be sold. The brand label is NOT owned by the trading partner recipient or purchasing group
UNRESTRICTED_DISTRIBUTION	The Data Recipient has the permission to sell the Trade Item as per their trading partner agreement. The brand label is NOT owned by the trading partner recipient or purchasing group

6.23. Catch Area Code

GS1 Code List	CatchAreaCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
18	Arctic Sea
21	Atlantic, Northwest

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27	Atlantic, Northeast
31	Atlantic, Western Central
34	Atlantic, Eastern Central
37	Mediterranean and Black Sea
41	Atlantic, Southwest
47	Atlantic, Southeast
48	Atlantic, Antartic
51	Indian Ocean, Western
57	Indian Ocean, Eastern
58	Indian Ocean, Antarctic and Southern
61	Pacific, Northwest
67	Pacific, Northeast
71	Pacific, Western Central
77	Pacific, Eastern Central
81	Pacific, Southwest
87	Pacific, Southeast
88	Pacific, Antarctic

6.24. Cheese Maturation Process Container Type Code

GS1 Code List	**CheeseMaturationProcessContainerTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
BRINE_SOLUTION	A salt water or whey solution that cures cheese during the maturing process.
FOIL	A type of container used in the process of cheese making, usually made in small forms and wrapped and then wrapped in foil to mature.
MOULD	A type of container used in the process of cheese making, usually the maturing is performed in a wooden, metal, plastic type container. This is not the type of mould like spores which also can be referenced in cheese making
OTHER	The type of container in which the process of maturing cheese is not specified or is of a type other than the codes available
TEXTILE	A method that a cheese is matured while wrapped in a cloth or textile of some sort during the maturing process.

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6.25. Chemical Physical State Code

GS1 Code List	ChemicalPhysicalStateCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
GAS	A material, which has a vapor pressure greater than 300 kPa (43.5 psia) at 50°C (122°F) or is completely gaseous at 20°C (68°F) at a standard pressure of 101.3 kPa (14.7 psia). Including: Aerosol: Any non-refillable receptacle containing a gas compressed, liquefied or dissolved under pressure, the sole purpose of which is to expel a nonpoisonous (other than a Division 6.1 Package Group III Material) liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas. Asphyxiant Gas: A gas, which dilutes or replaces the oxygen normally in the atmosphere. Compressed Gas in Solution: A non-liquefied compressed gas, which is dissolved in a solvent. Liquefied Compressed Gas: A gas, which when packaged under pressure for transportation is partially liquid at temperatures above -50° C (-58° F). A liquefied compressed gas is further categorized as follows: High Pressure Liquefied Gas: A gas with a critical temperature between -50 °C (-58° F) and + 65° C (149° F). Low Pressure Liquefied Gas: A gas with a critical temperature above + 65° C (149° F). Non-Liquefied Compressed Gas: A gas, which when packaged under pressure for transportation is entirely gaseous at -50° C (-58° F) with a critical temperature less than or equal to -50° C (-58° F). Oxidizing Gas: A gas, which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does.
LIQUID	A material, other than an elevated temperature material, with a melting point or initial melting point of 20°C (68°F) or lower at a standard pressure of 101.3 kPa (14.7 psia). A viscous material for which a specific melting point cannot be determined must be subjected to the procedures specified in ASTM D 4359 "Standard Test Method for Determining Whether a Material is Liquid or Solid".
MIXED	Any combination of the other states.
REFRIGERANT_OR_DISPERSANT_GAS	All non-toxic refrigerant gases, dispersant gases (fluorocarbons) and mixtures thereof, or any other compressed gas having a vapor pressure not exceeding 260 psia at 54°C (130°F), used only as a refrigerant, dispersant or blowing agent.
REFRIGERATED_LIQUID	Cryogenic Liquid . A refrigerated liquefied gas having a boiling point colder than -90°C (-130°F) at 101.3 kPa (14.7 psia).
SOLID	A material that does not meet the definition of a liquid or gas (i.e., powder, pellet, flake).

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6.26. Chemical Property Type Code

GS1 Code List	ChemicalPropertyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Any other chemical property not include in this list.
REACTIVITY	The tendency of a substance to undergo chemical reaction, either by itself or with other materials, and to release energy.
STABILITY	The thermodynamic stability of a chemical system.
TOXICITY	Degree to which a substance can damage an organism

6.27. Closed Captioning Code

GS1 Code List	ClosedCaptioningCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
NO	Movie does not have subtitles for hard of hearing and deaf.
UNKNOWN	Having an unknown value.
YES	Movie has subtitles for hard of hearing and deaf.

6.28. Comb Filter Technology Type Code

GS1 Code List	CombFilterTechnologyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
2_LINE_DIGITAL	A comb filter able to consecutively interpret two horizontal lines at once.
3_LINE_DIGITAL	A comb filter that averages the signal from the line before and after it to obtain a more accurate cancellation.
3D_DIGITAL	A comb filter which compares 3 horizontal scan lines and analyzes frames in advance.
DIGITAL	A comb filter separates the luminance and chrominance parts of a video signal in the digital domain.

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NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.

6.29. Consumer Sales Condition Type Code

GS1 Code List	ConsumerSalesConditionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
~~BTC~~	~~Behind the Counter- products that are sold without a prescription but must be distributed through a pharmacy.~~
~~OTC~~	~~Over the Counter- products that may be sold without a prescription. These products are generally available without restrictions.~~
~~PRESCRIPTION_REQUIRED~~	~~Trade item may only be sold or dispensed under the direction of a prescription.~~
1	Regulated products controlled and handled by authorized personnel for an authorized user for example prescription pharmaceutical, narcotics, prescription strength acetaminophen.
2	Regulated Product and controlled, a user must consult with authorized personnel to acquire product and user does not need authorization to purchase. The user may or may not be of certain legal age to obtain though. For example Model Glue, Spray Paint in the US, Diabetes Kits in CA
3	Products requiring to be sold in authorized location to distribute regulated item without consulting personnel at location. For example Items only available in a Pharmacy store in the EU, but available for general purchase without any preauthorization, In the European Union non-prescription strength acetaminophen.
RESTRICTED_TO_SELL_6	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 6 years old.
RESTRICTED_TO_SELL_12	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 12 years old.
RESTRICTED_TO_SELL_16	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 16 years old.
RESTRICTED_TO_SELL_18	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 18 years old.
RESTRICTED_TO_SELL_21	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 21 years old.
UNRESTRICTED	Product available in any outlet with or without authorized personnel present and no authorization needed by user to acquire. For example: In the United States, non-prescription strength acetaminophen and in many markets shampoo, toothpaste, etc.

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6.30. Country Code (GDSN)

GS1 Code List	CountryCode
GS1 Code List Version	1 (September 2011)
Managing Agency	ISO
Based on Code List	ISO 3166-1
Type Of Management	Extended. GDSN uses the ISO 3166-1 numeric (e.g. 250). It is further extended by the following value
Code Value	**Code Definition**
NON_EU	A country that is not in the European Union.

6.31. Cumulative Energy Demand Protocol Code

GS1 Code List	CumulativeEnergyDemandProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Code value not available in code list.
VDI_4600_CED	VDI 4600 CED

6.32. Cumulative Energy Demand Reference Substance Code

GS1 Code List	CumulativeEnergyDemandReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MJ_PER_FU	MJ per Functional Unit.
OTHER	Code value not available in code list.

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6.33. Cumulative Energy Demand Type Code

GS1 Code List	CumulativeEnergyDemandTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CUMULATIVE_ENERGY_DEMAND_NON_RENEWABLE	A statement of the entire energy demand for a given product or service for a non-renewable part (CED_{NR}).
CUMULATIVE_ENERGY_DEMAND_RENEWABLE	A statement of the entire energy demand for a given product or service for a renewable part (CED_{R}).
OTHER	Code value not available in code list.

6.34. Criteria Join Type Code

GS1 Code List	CriteriaJoinTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code List Description**
AND	All previous qualifiers plus the current record.
OR	Any one qualifier but not more than one.

6.35. Criteria Operator Type Code

GS1 Code List	CriteriaOperatorTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EQUAL_TO	Equal to (=) a specific value.
GREATER_THAN	Greater than (>) a specific value.
LESS_THAN	Less than (<) a specific value.
LIKE	Like a specified pattern.
NOT_EQUAL_TO	Not like a specified pattern.

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6.36. Dangerous Goods Regulation Code

GS1 Code List	DangerousGoodsRegulationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	N/A
Type Of Management	N/A
Code Value	**Code Definition**
ZCG	Contains Dangerous Goods: Trade item contains goods that have been deemed to be dangerous by regulatory and transport agencies.
ZGE	Contains Dangerous Goods Exception - Trade item contains goods that have been deemed to be dangerous by regulatory and transport agencies but there are exceptions contained for transport
ZNA	Trade Item is not a dangerous good nor contains dangerous good(s)
ZNB	No Dangerous Goods Additional Information - Trade item does not contain goods that have been deemed to be dangerous but transportation additional information is claimed.
ZZZ	Mutually Defined

6.37. Dangerous Goods Transport Category Code

GS1 Code List	DangerousGoodsTransportCategoryCode
GS1 Code List Version	R1
Managing Agency	ADR
Based on Code List	ADR Section 1.1.3.6.3
Type Of Management	External
Code Value	**Code Definition**
0	Class 1: 1.1A/1.1L/1.2L/1.3L and UN No. 0190 Class 3: UN No. 3343 Class 4.2: Substances belonging to packing group I Class 4.3: UN Nos. 1183, 1242, 1295, 1340, 1390, 1403, 1928, 2813, 2965, 2968, 2988, 3129, 3130, 3131, 3134, 3148, 3396, 3398 and 3399 Class 5.1: UN No. 2426 Class 6.1: UN Nos. 1051, 1600, 1613, 1614, 2312, 3250 and 3294 Class 6.2: UN Nos. 2814 and 2900 Class 7: UN Nos. 2912 to 2919, 2977, 2978 and 3321 to 3333 Class 8: UN No. 2215 (MALEIC ANHYDRIDE, MOLTEN) Class9: UN Nos. 2315, 3151, 3152 and 3432 and apparatus containing such substances or mixtures and empty uncleaned packagings, except those classified under UN No. 2908, having contained substances classified in this transport category.
1	Substances and articles belonging to packing group I and not classified in transport category 0 and substances and articles of the following classes: Class 1: 1.1B to 1.1J a /1.2B to 1.2J/1.3C/1.3G/1.3H/1.3J/1.5D a Class 2: groups T, TC a, TO, TF, TOC a and TFC, aerosols: groups C, CO, FC, T, TF, TC, TO, TFC and TOC

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	Class 4.1: UN Nos. 3221 to 3224 and 3231 to 3240 Class 5.2: UN Nos. 3101 to 3104 and 3111 to 3120
2	Substances or articles belonging to packing group II and not classified in transport categories 0, 1 or 4 and substances of the following classes: Class 1: 1.4B to 1.4G and 1.6N Class 2: group F, aerosols: group F Class 4.1: UN Nos. 3225 to 3230 Class 5.2: UN Nos. 3105 to 3110 Class 6.1: substances and articles belonging to packing group III Class 9: UN No. 3245
3	Substances and articles belonging to packing group III and not classified in transport categories 0, 2 or 4 and substances and articles of the following classes: Class 2: groups A and O, aerosols: groups A and O Class 3: UN No. 3473 Class 4.3: UN No. 3476 Class 8: UN Nos. 2794, 2795, 2800, 3028 and 3477 Class 9: UN Nos. 2990 and 3072
4	Class 1: 1.48 Class 4.1: UN Nos. 1331, 1345, 1944, 1945, 2554 and 2623 Class 4.2: UN Nos. 1361 and 1362 packing group III Class 7: Un Nos. 2908 to 2911 Class 9: UN No. 3268 and empty, uncleaned packagings having contained dangerous goods, except for those classified in transport category 0

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6.38. Dangerous Substances Water Solubility Code

GS1 Code List	DangerousSubstancesWaterSolubilityCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DISPERSIBLE	Dispersing agents have been added to the substance. Dispersing agents are added to process liquids to prevent unwanted deposits by keeping them finely dispersed. They function in both aqueous and non-aqueous media.
EMULSIFIABLE	An emulsion is a mixture of two immiscible (unblendable) liquids. One liquid is dispersed in the other. Many emulsions are oil/water emulsions, with dietary fats being one common type of oil encountered in everyday life. Examples of emulsions include butter and margarine, milk and cream, and vinaigrettes. In butter and margarine, fat surrounds droplets of water (a water-in-oil emulsion). In milk and cream, water surrounds droplets of fat (an oil-in-water emulsion).
INSOLUBLE	The substance is not capable of being dissolved in a solvent.
NOT_OR_HARDLY_MISCIBLE	The substance is immiscible or nearly immiscible. Substances are said to be immiscible if in any proportion, they do not form a solution. For example, diethyl ether is fairly soluble in water, but these two solvents are not miscible since they are not soluble in all proportions.
SUSPENDED	The substance is in suspension. A suspension is a homogeneous fluid containing solid particles that are sufficiently large for sedimentation. When the solid is mixed with liquid, suspended particles will eventually settle. An example of a suspension would be sand in water. The suspended particles are visible under a microscope and will settle over time if left undisturbed.
WATER_SOLUBLE	The substance is soluble. Solubility is the ability of a given substance to dissolve in a solvent. It is measured in terms of the maximum amount of solute dissolved in a solvent at equilibrium. Certain liquids are soluble in all proportions with a given solvent, such as ethanol in water.

6.39. Data Carrier Presense Code

GS1 Code List	DataCarrierPresenceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALWAYS	Trade Item ALWAYS includes an AI in AIDC format.
NEVER	Trade Item NEVER includes an AI in AIDC format
SOMETIMES	Trade Item SOMETIMES includes an AI in AIDC format

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6.40. Data Carrier Family Type Code

GS1 Code List	DataCarrierFamilyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EAN_UPC	A family of barcodes consisting of EAN-13, EAN-13 with Two-Digit Add-On, EAN-13 with Five-digit Add-On, EAN-8, UPC-A, UPC A with Two-Digit Add-On, UPC A with Five-digit Add-On, UPC-E, UPC-E Two-Digit Add-On, UPC-E Five-digit Add-On
EAN_UPC_COMPOSITE	A family of barcodes consisting of EAN-13 Composite, EAN-8 Composite, UPC-A Composite,UPC-E Composite
ITF_14	A family of barcodes consisting of ITF-14.
GS1_128	A family of barcodes consisting of GS1-128
GS1_128_COMPOSITE	A family of barcodes consisting of GS1-128 Composite.
GS1_DATABAR	A family of barcodes consisting of GS1 DataBar Omnidirectional, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked, .
GS1_DATABAR_COMPOSITE	A family of barcodes consisting of GS1 DataBar Omnidirectional Composite, GS1 DataBar Truncated Composite, GS1 DataBar Stacked Composite, GS1 DataBar Stacked Omnidirectional Composite, GS1 DataBar Limited Composite, GS1 DataBar Expanded Composite, GS1 DataBar Expanded Stacked Composite
GS1_DATAMATRIX	A family of barcodes consisting of GS1 DataMatrix
GS1_QR_CODE	A family of barcodes consisting of the GS1 QR Code.
NO_BARCODE	Item packaging does not contain bar code.
RFID_EPC_TAG	Tagged with an EPC RFID tag,

6.41. Data Carrier Type Code

GS1 Code List	DataCarrierTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	GDSN Restricted
Code Value	**Code Definition**
EAN_13	A bar code of the EAN/UPC Symbology that encodes GTIN-13, Coupon-13, RCN-13, and VMN-13.
EAN_13_COMPOSITE	An EAN-13 symbol with an additional CC-A or CC-B Composite symbol included at the top of the EAN-13 symbol
EAN_13_WITH_FIVE_DIGIT_ADD_ON	An EAN-13 with an additional five-digit

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	symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
EAN_13_WITH_TWO_DIGIT_ADD_ON	An EAN-13 with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
EAN_8	A bar code of the EAN/UPC Symbology that encodes GTIN-8 or RCN-8.
EAN_8_COMPOSITE	An EAN-8 symbol with an additional CC-A or CC-B symbol included at the top of the EAN-8 symbol
EPC_ENABLED_RFID_TAG	A data carrier conforming to the GS1 UHF Gen2 RFID air interface standard, whose EPC memory bank contains an Electronic Product Code encoded according to the GS1 EPC Tag Data Standard.
GS1_128	A subset of Code 128 that is utilised exclusively for GS1 System data structures.
GS1_128_COMPOSITE	A GS1-128 symbol with an additional CC-A, CC-B or CC-C Composite symbol included at the top of the GS1-128 symbol
GS1_DATA_MATRIX	GS1 implementation specification for use of Data Matrix
GS1_DATABAR_EXPANDED	A bar code with a variable width (from 4 to 22 symbol characters, or a minimum of 102X wide and a maximum of 534X wide) and is 34X high (where X is the width of a module).
GS1_DATABAR_EXPANDED_COMPOSITE	A GS1 DataBar Expanded symbol with an additional CC-A or CC-B Composite symbol included at the top of theGS1 DataBar Expanded symbol
GS1_DATABAR_EXPANDED_STACKED	A multi-row stacked version of GS1 DataBar Expanded.
GS1_DATABAR_EXPANDED_STACKED_COMPOSITE	A GS1 DataBar Expanded Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Expanded Stacked symbol
GS1_DATABAR_LIMITED	A bar code designed for small items that will not need to be read by omnidirectional Point-of-Sale (POS) scanners. Its dimensions are 74X wide, starting with a 1X space and ending with a 1X bar, by 10X high (where X is the width of a module).
GS1_DATABAR_LIMITED_COMPOSITE	A GS1 DataBar Limited Symbol symbol with an additional CC-A or CC-B Composite symbol included at the top of theGS1 DataBar Limited symbol
GS1_DATABAR_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed to be read by an omnidirectional scanner, such +as a retail slot scanner. Code that is designed to be read by an omnidirectional scanner, such +as a retail slot

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	scanner.
GS1_DATABAR_OMNIDIRECTIONAL_COMPOSITE	A GS1 DataBar Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Omnidirectional Stacked symbol
GS1_DATABAR_STACKED	The GS1 DataBar Stacked Bar Code is a reduced height two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_STACKED_COMPOSITE	A GS1 DataBar Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked symbol
GS1_DATABAR_STACKED_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed to be read by an omnidirectional scanner, such as a retail slot scanner.
GS1_DATABAR_STACKED_OMNIDIRECTIONAL_COMPOSITE	A GS1 DataBar Stacked Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked Omnidirectional symbol
GS1_DATABAR_TRUNCATED	A reduced height version of the GS1 DataBar Omnidirectional Bar Code that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_TRUNCATED_COMPOSITE	A GS1 DataBar Truncated symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Truncated symbol
GS1_QR_CODE	GS1 implementation specification for use of QR Code
ITF_14	ITF-14 (A subset of Interleaved 2-of-5) Bar Codes carry GTINs only on trade items that are not expected to pass through the Point-of-Sale.
NO_BARCODE	Item packaging does not contain bar code.
UPC_A	A bar code of the EAN/UPC Symbology that encodes GTIN-12, Coupon-12, RCN-12, and VMN-12.
UPC_A_COMPOSITE	A UPC-A symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-A symbol
UPC_A_WITH_FIVE_DIGIT_ADD_ON	A UPC-A with an additional five-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
UPC_A_WITH_TWO_DIGIT_ADD_ON	A UPC-A Symbol with with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.

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UPC_E	A bar code of the EAN/UPC Symbology representing a GTIN-12 in six explicitly encoded digits using zero-suppression techniques.
UPC_E_COMPOSITE	A UPC-E symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-E symbol
UPC_E_FIVE_DIGIT_ADD_ON	A UPC-E with an additional five-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
UPC_E_WITH_TWO_DIGIT_ADD_ON	A UPC-E Symbol with with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.

6.42. Date On Packaging Format Type Code

GS1 Code List	DateOnPackagingFormatTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ORDINAL_DATE	A calendar date consisting of a year and a day of year ranging between 1 and 366 (starting on January 1). The two numbers can be formatted as YYYY-DDD. The date uses a format based on the year and the number of the day within the year. Example: 2009-036 = 5 February 2009. This format is sometimes referred to as a Julian Date.
CALENDAR_DATE	A date in a calendar is a reference to a particular day represented within a calendar system. The calendar date allows the specific day to be identified. The date uses a format expressed in three parts: year, month and day. Other format orders may be used – The month may be expressed as a number or in alphabetic form (optionally abbreviated). This format is sometimes referred to as Numeric Date.

6.43. Detachable Speaker Type Code

GS1 Code List	DetachableSpeakerTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
WIRED	Speakers are connected to the unit via wires.
WIRELESS	The communication is the transfer of sound over a distance without the use

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	wires.

6.44. Diet Type Code

GS1 Code List	DietTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
COELIAC	Denotes a product that can be safely consumed by a person with coeliac disease. Coeliac disease is caused by a reaction to gladin (a gluten protein found in wheat) and similar proteins found in other crops.
DIETETIC	Denotes a product that is specially prepared or processed for people on restrictive diets.
FREE_FROM_GLUTEN	Denotes a product that can be used in a gluten free diet, as specified by the appropriate authority within a target market.
HALAL	Denotes selling or serving food ritually fit according to Islamic dietary laws.
KOSHER	Denotes selling or serving food ritually fit according to Jewish dietary laws.
~~ORGANIC~~	~~Denotes a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.~~
VEGAN	Denotes a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.
VEGETARIAN	Denotes a product that contains no meat, fish or other animal products.
WITHOUT_BEEF	Denotes a product that contains no beef or beef-products. Beef is considered to be a taboo food product by some religions most notable Hinduism, Buddhism and Jainism.
WITHOUT_PORK	Denotes a product that contains no pork meat.

6.45. Digitalisation Level Type Code

GS1 Code List	DigitalisationLevelTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AAD	The record was produced as follows: Recording = analogue, editing/mixing = analogue dubbing/transfer = digital.
ADD	The record was produced as follows:

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	Recording = analogue, editing/mixing = digital dubbing/transfer = digital.
DDD	The record was produced as follows: Recording = digital, editing/mixing = digital dubbing/transfer = digital.
DTS	Digital Theatre Sound

6.46. Dimension Type Code

GS1 Code List	DimensionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DIRECT_SHIP_TO_CONSUMER	Item is measured as it is shipped to consumer plus packaging.
DISPLAY_ITEM_FOLDED_ON_SHELF	Item has been folded before being placed on display in a shelf or other container.
DISPLAY_ITEM_HANGING	Item has been assembled for display and it has been set to hang from a frame or ceiling. The product may have a hanger in some cases (e.g. apparel).
DISPLAY_ITEM_HANGING_FROM _SHELF	Item has been assembled for display and it has been set to hang from the shelf itself. The product may have a hanger in some cases.
DISPLAY_ITEM_STANDING	Item has been assembled for display and it has been placed for display directly on the floor.
DISPLAY_ITEM_STANDING_ON_SHELF	Item has been assembled for display and it has been placed for display on the shelf.
IN_PACKAGE	Product is measured as the package was supplied.
MAX_DOOR_DRAWER_LID_CLEARANCE	Item is displayed with the door or lid open to require the maximum clearance. Applies for example to Refrigerators, dishwashers, ovens, Washers, dryers, furniture, and laptop computers.
MAX_DOOR_DRAWER_LID_CLEARANCE_W_HDL	Item is displayed with the door or lid including its handle open to require the maximum clearance. Applies for example to refrigerators, dishwashers ovens and furniture.
OUT_OF_PACKAGE	Product is removed from consumer packaging, assembled if necessary for final use and its dimensions. For example: Computer desk; entertainment centre; microwave oven; lawnmower; a floor cleaner; a grouping of table and chairs; stove; telephone; camera; large appliance (e.g. washing machines); small appliance (e.g. food processors).
RETAIL_DISPLAY	Product is measured as modified for display. For example: Display Ready Packaging with fold-up lid or fold-forward

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	front; a box of chocolate bars with display flap; display stand for dishware; merchandise for consumer purchase that is in a 'display' carton that requires modification, such as a product in cans contained within a carton; free-standing displays for a variety of grocery products, candles, decorative items like picture frames); a laptop computer.

6.47. Display Resolution Code

GS1 Code List	DisplayResolutionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
320_200	320 by 200
320_240	320 by 240
480_I	480i (720 by 480 split into two 240-line fields)
480_P	640 by 480
640_480	720 by 480
720_I	720p (1280 by 720)
720_P	720 by 480
768_576	768 by 576
800_600	800_600
854_480	854 by 480
1024_768	1024 by 768
1080_I	1080i
1080_P	1080p (1920 by 1080 progressive scan)
1152_768	1152 by 768
1280_720	1280 by 720
1280_854	1280 by 854
1280_960	1280 by 960
1280_1024	1280 by 1024
1440_900	1440 by 900
1440_960	1440 by 960
1400_1050	1400 by 1050
1600_1200	1600 by 1200
1680_1050	1680 by 1050
1920_1080	1920 by 1080
1920_1200	1920 by 1200

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2048_1536	2048 by 1536
2560_1600	2560 by 1600
2560_2048	2560 by 2048

6.48. Display Screen Type Code

GS1 Code List	DisplayScreenTypeCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value		**Code Definition**
CRT_FLAT	CRT Flat	CRT Flat: a type of tube television with a non-curved screen surface.
CRT_ROUND	CRT Round	CRT Round: a type of tube television with a curved screen surface.
EL	Electroluminescence (EL) LED	The result of radiative recombination of electrons and holes in a material
FLUORESCENT	Fluorescent:	A vacuum tube containing an electron gun (a source of electrons) and a fluorescent screen.
LCD	LCD	An electro-optical amplitude modulator realized as a thin, flat display device made up of any number of colour or monochrome pixels arrayed in front of a light source or reflector.
LCOS	Liquid Crystal on Silicone (LCoS)	A "micro-projection" or "micro-display" technology typically applied in projection televisions.
LEP	Light emitting polymer (LEP)	Any Light Emitting Diode whose emissive electroluminescent layer is composed of a film of organic compounds.
NOT_APPLICABLE	Not Applicable	Not Applicable
OEL	Organic electroluminescent	Any Light Emitting Diode (LED) whose emissive electroluminescent layer is composed of a film of organic compounds.
OLED	Organic Light Emitting Diode (OLED)	Any Light Emitting Diode (LED) whose emissive electroluminescent layer is composed of a film of organic compounds.
OTHER	Other	Other
PLASMA	Plasma	A type of flat panel display now commonly used for large TV displays.
REAR_PROJECTION	Rear Projection	Type of large-screen television display technology.
SED	SED Surface Conduction Electronic Emitter Display:	A flat panel display technology that uses surface conduction electron emitters for every individual display pixel.
TDEL	Thick-film dielectric	Phosphor-based flat panel display technology.

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	electroluminescent (TDEL)	
VFD	Vacuum fluorescent display (VFD)	Vacuum fluorescent display (VFD)

6.49. Display Type Code

GS1 Code List	DisplayTypeCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
SDR	Shelf Display Ready Packaging	Shelf Display Ready Packaging – A display unit that is ready for display on a shelf or counter.
FDR	Floor Display Ready Packaging	Floor Display Ready Packaging – A display unit that is ready for display on the floor.
SND	Shelf Non-Assembled Display Packaging	Shelf Non-Assembled Display Packaging – A display unit that needs to be assembled before display on a shelf or counter.
FND	Floor Non-Assembled Display Packaging	Floor Non-Assembled Display Packaging – A display unit that needs to be assembled before display on the floor.
UNS	Unspecified	Unspecified for cases where the supplier is unable to provide the precise type at that moment (or the type of display does not exist in the list yet), but still wants to communicate a display of a sort is present.

6.50. Distribution Method Code

GS1 Code List	DistributionMethodCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
CD	Cross Dock	Cross Dock: The supplier picks and packs the goods per retail store location and delivers the goods to the retailers' distribution centre for transfer across the loading dock to local delivery vehicles. In this case the goods are not stored in the distribution centre.
D2C	Direct to Consumer	Direct to Consumer: The supplier delivers the goods direct to the end consumer's location.
DC	Distribution Centre	Distribution Centre: The supplier delivers the goods to the retailers' distribution centre. The goods are typically warehoused in the distribution centre prior to distribution.
DS	Drop Ship	Drop Ship: Customer orders and shipment details to either the

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		manufacturer or a wholesaler, who then ships the goods directly to the customer.
DSD	Direct Store Delivery	Direct Store Delivery: The supplier delivers the goods direct to the retailers' retail store location.
FG	Factory Gate	Factory Gate: The supplier makes the goods available to the retailer at the supplier's loading dock (factory gate). The retailer assumes responsibility for planning, scheduling, collection and transportation of the goods.
UNS	Unspecified	Unspecified

6.51. Distribution Media Type Code

GS1 Code List	DistibutionMediaTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
12_INCH_VINYL_SINGLE	A type of gramophone record that has wider groove spacing compared to other types of records measuring 12 inches.
3_INCH_CD_SINGLE	A mini Compact Disc that measures 8 cm (3.1 in) in diameter, rather than the standard 12 cm (4.7 in).
5_INCH_CD_SINGLE	CD measuring 5 inches used for singles.
5_INCH_CDV	5 inch cd video format.
7_INCH_VINYL_SINGLE	A type of gramophone record that has wider groove spacing compared to other types of records measuring 7 inches.
8_MM	A motion picture film format in which the filmstrip is eight millimeters wide. It exists in two main versions: the original standard 8mm film, also known as regular 8 mm or Double 8 mm, and Super 8.
AUDIO_BLANK_TAPE	Tape format designed for audio.
BETA	A consumer-level analog videocassette magnetic tape recording format developed by Sony
BLU_RAY	An optical disc storage medium . The plastic disc is 120 mm in diameter and 1.2 mm thick, the same size as DVDs and CDs
BLU_RAY_3D	A BLU RAY disc that has 3 Dimensional data inherent in the content
CASSETTE_FULL_LENGTH	A compact cassette considered to be full length.
CASSETTE_SINGLE	A music single in the form of a Compact Cassette
CD_DVD_AUDIO	A digital format for delivering high-fidelity audio content on a DVD.
CD_DVD_VIDEO	A digital format for delivering video content.
CD_FULL_LENGTH	Compact Disc format of full length.
CD_PLUS_GRAPHICS	An extension of the compact disc standard that can present low resolution graphics with the audio data.
CD_ROM_INTERACTIVE	An interactive multimedia CD format developed and marketed by Royal Philips Electronics N.V.

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DAT_FULL_LENGTH	Digital Audio Tape
DATAPLAY	An optical disc system developed by DataPlay Inc. DataPlay was intended primarily for portable music playback, including both pre-recorded disks and user-recorded disks (and disks that combined pre-recorded information with a writable area).
DC_SACD	Super Audio CD.
DCC_FULL_LENGTH	Full length Digital Compact Cassette
DIGITAL_RENTAL	Distribution of digital file for the purposes of renting.
DIGITIAL_SELL_THROUGH	Distribution of digital file for the purposes of owning.
DVD	An optical disc storage media format, invented and developed by Philips, Sony, Toshiba, and Panasonic in 1995. DVDs offer higher storage capacity than Compact Discs while having the same dimensions.
DVD_ALBUM	A format that contains the same kind of content delivered on CD/DVD combos but normally on a single disc. This configuration is playable in any DVD player (not CD players) and requires no other special equipment. This configuration can contain the same tracks as the CD, plus optional content that could include some or all of the following: 48khz/24 - bit stereo, high res stereo, surround, high res surround, video, behind the scenes, making of * interviews , lyrics , interactive booklet, portable MP3 audio files, ROM interactive (applications for ring-tones), online enablement for post release content updates.
HD_DVD	A high-density optical disc format for storing data and high-definition video
LASERDISC	A home video format and the first commercial optical disc storage medium
LP_FULL_LENGTH	33⅓ rpm microgroove vinyl record full length.
MAXI_CASSETTE_SINGLE	A cassette format with more intricate packaging that looks similar to the packaging of a regular cassette.
MAXI_CD	A musical single on CD format.
MINI_DISC_FULL_LENGTH	The MiniDisc (MD) is a magneto-optical disc-based data storage device.
MVI	Stands for Music Video Interactive and is a DVD loaded with many features that plays in all standard DVD Players, computers, and game consoles with DVD drives. Digital files are compatible with all MP3 devices. Features include: * Full album audio with superior sound quality * Video content * MP3 files of every audio track for easy transfer to a computer or MP3 device * Interactive features to create user content * Digital booklets * Online access to additional artist information * May also contain digital extras including song lyrics, photo galleries, posters, wallpaper, screen savers, buddy icons, etc.
RINGLE	This value represents a physical CD with 3 audio tracks (A-side, B-side & Remix) which can also include ringtones and wallpaper. This is a technology feature of the product and is used by consumers in arriving at a buying decision.
SACD	Super Audio CD (SACD) is a high-resolution, read-only optical disc for audio storage
UMD	This value represents Universal Media Disc. It is an optical disc medium developed by Sony for use on the PlayStation Portable. It can hold up to 1.8 gigabytes of data, which can include games, movies, music, or a combination thereof.
USB	Pre-recorded Media stored on a USB (Universal Serial Bus) flash drive that will interface with any USB capable device.
VHS	Video Home System-a consumer-level analog recording videocassette standard.
VIDEO_BLANK_TAPE	Blank video cassette.

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6.52. Dubbed Subtitled Code

GS1 Code List	DubbedSubtitledCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BOTH	Movie has both a translated alternative soundtrack and a caption translating dialogue.
DUBBED	The movie has a translated alternative soundtrack.
SUBTITLED	The movie has caption translating dialogue.

6.53. DVD Region Code

GS1 Code List	DVDRegionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AUSTRALIA_NEW_ZEALAND_ LATIN_AMERICA	Australia, New Zealand and Latin America
CHINA	China
EUROPE_MIDDLE_EAST_ JAPAN_SOUTH_AFRICA	Europe, Middle East, Japan and South Africa.
EX_SOVIET_UNION_INDIAN_ SUBCONTINENT_AFRICA	Former Soviet Union, Subcontinental Africa and Indian subcontinent.
INTERNATIONAL_TERRITORY _AIRPLANES_CRUISE_SHIPS_ ETC	International territories (e.g. planes, ships, etc).
RESERVED	Reserved for future use.
SOUTH_KOREA_TAIWAN_HONG_KONG_ASEAN	South Korea, Taiwan, Hong Kong and ASEAN states.
UNCODED	Not targeted for any specific market.
US_CANADA_US_TERRITORIES	US, Canada and US territories.

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6.54. Exception Message Type Code

GS1 Code List	ExceptionMessageTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
GDSN	An exception message generated due to an error within the GDSN data synchronisation process.
GLN_REGISTRIES	An exception message generated due to an error within the GLN registries process.

6.55. External Memory Type Code

GS1 Code List	ExternalMemoryTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
COMPACT_FLASH	A mass storage device format used in portable electronic devices.
HC_MMC_PLUS	A flash memory card standard.
IMPACT_FLASH	Impact Flash
MEMORY_STICK	A removable flash memory card format.
MEMORY_STICK_DUO	A smaller flash memory card for pocket-sized digital cameras and cell phones.
MEMORY_STICK_PRO	A removable flash memory card format.
MEMORY_STICK_PRO_DUO	A removable flash memory card format.
MICRODRIVE	A miniature, 1-inch hard disk designed to fit in a CompactFlash (CF) Type II slot.
MINI_SD	A small form factor removable and portable memory device intended for use in cell phones/mobile phones, digital cameras, MP3 players and many other gadgets.
NOT_APPLICABLE	Not Applicable
SDHC	Secure Digital High-Capacity, a type of flash memory card.
SD_MMC	A format of memory card.
TRANSFLASH_MICRO_SD	A format for removable flash memory cards.
XD_MMC_PLUS	A type of flash memory card, used mainly in digital cameras.

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6.56. Feature Code

GS1 Code List	FeatureCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AC_DC_ADAPTER	A power supply that is built into a plug and is not built into the unit it is powering.
ASPECT_RATIO_CONTROL	A feature providing the means to set different viewing window sizes for a television.
AUTO_CHANNEL_SETUP	A feature which automatically sets up all channels available and tunes the television channels at the touch of a button.
BUILT_IN_ALARM_CLOCK	A clock that is designed to make a loud sound at a specific time and is built into the unit.
CENTRE_CHANNEL_CAPABLE	A fifth speaker output for replication of crisp and clear sound.
CHILD_LOCK_SOFTWARE	Software security used to prevent unwanted tampering with feature settings.
COMMON_INTERFACE_MODULE	An extensible digital interconnect found in digital Televisions. This feature enables the viewing of pay channels without the need for cable box or set top boxes.
DIGITAL_CABLE_READY	The ability to project digital cable with the use of a separate tuner.
DVBC_CABLE_READY	The ability to project DVB-C cable with the use of a separate tuner. DVB-C stands for Digital Video Broadcasting.
EXTREMELY_CLEAN	The package is physically marked as extremely clean which slightly lower level of cleanness than sterile is. This means that it is free from bacteria and other microorganisms to a level defined as extremely clean by the appropriate authorities of the target market.
FLICKER_FREE	A feature that increases the frequency of which the picture refreshes measured in hertz (50 to 200Hz) Flicker-free technology noticeably improves viewing quality.
FROST_RESISTANT	Resistant to frost and can thus be used outside.
HIGH_DEFINITION_COPY_PROTECTION	High Definition Copy Protection (HDCP) is a chip that descrambles a High Definition (HD) broadcast to allow one to watch HD broadcasts.
HIGH_DEFINITION_READY	The ability to receive a High Definition signal. The Television can show the required screen resolution and have the necessary connections to be able to show High Definition content.

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MEMORY_CARD_READER	A computer peripheral that is used to transfer the content of a memory card without the use of another device.
ON_SCREEN_MENU	Interactive menus that come up when changing television set-up options such as brightness and contrast.
ON_SCREEN_CLOCK	A clock visible on the screen.
PARENTAL_CONTROLS	Options that allow parents to monitor or limit what a child can see or do and/or time-limit these activities.
PICTURE_ENHANCEMENT	A brand owner enhancement to the picture quality which may be created by hardware, or software, or both.
PICTURE_VIEWING_CAPABILITY	The ability to view digital photographs via a digital card reader.
QUADRATURE_AMPLITUDE_MODULATION	Quadrature amplitude modulation (QAM) enables direct reception of digital cable channels without the use of a set top box.
SIMULTANEOUS_PICTURE_TELETEXT	The ability to view teletext while still watching the picture (subtitled or captioned). Teletext is a television information retrieval service.
SOUND_LEVELLING_CAPABILITY	Sound levelling reduces the spikes in sound levels during programming typically from commercials.
STERILE	The package is physically marked as sterile, which is the highest level of cleanness. This means that it is free from bacteria and other microorganisms to a level defined as sterile by the appropriate authorities of the target market.
XVYCC_COLOR_GAMUT_TECHNOLOGY	An expanded version of the YCC color gamut, with 1.8-times more reds, greens, and blues of sRGB color. It is often made synonymous with Deep Color, which is an increased bit depth.

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6.57. File Colour Scheme Code

GS1 Code List	FileColourSchemeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CMY	Cyan, Magenta, Yellow
CMYK	Cyan, Magenta, Yellow, Black
HMMD	Hue, Max, Min, Difference
HSV	A colour model that describes colours in terms of hue (or "tint"), saturation (or "shade") and value (or "tone" or "luminance").
MONOCHROME	A monochromatic object or image is one whose range of colours consists of shades of a single colour or hue; monochrome images in neutral colours are also known as gray scale or black-and-white.
RGB	Red, Green, Blue
RGBA	Red, Green, Blue, Alpha
UNSPECIFIED	Value not stated.
YCBCR	Luminance, Blue and Red Chromaticity

6.58. Fixed Speaker Location Code

GS1 Code List	FixedSpeakerLocationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BOTTOM	At the bottom of the unit.
FRONT	In the front of the unit.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
SIDE	On the sides of the unit.

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6.59. Flammable Aerosol Containment Code

GS1 Code List	FlammableAerosolContainmentCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FLAMMABLE_AEROSOL	Item is an aerosol which contains flammable gas
NONFLAMMABLE_AEROSOL	Item is an aerosol but does not contain flammable gas
NOT_APPLICABLE	Item is not an aerosol

6.60. Flash Point Test Method Code

GS1 Code List	FlashPointTestMethodCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
D_56_87	Test Method for Flash Point by Tag Closed Tester.
D_92_85	Test Method for Flash and Fire Points by Cleveland Open Cup.
D_93_85	Test Method for Flash Point by Pensky-Martens Closed Tester.
D_1310_86	Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup Apparatus.
D_3278_82	Test Methods for Flash Point of Liquids by Setaflash Closed-Cup Apparatus.
D_3828_87	Test Method of Flash Point by Setaflash Closed Tester.
D_ 3934_84	Test Method for Flash/No Flash Test-Equilibrium Method by Closed-Cup Apparatus.
D_3941_84	Test Method for Flash Point by the Equilibrium Method With a Closed-Cup Apparatus.

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6.61. Food Beverage Composition Database Code

GS1 Code List	FoodBeverageCompositionDatabaseCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANSES	CIQUAL French food composition table.
BGU	BGU Israeli Food Nutrient Database
DTU	Danish Food Composition Databank
ETHZ	Swiss Food Composition Database
FRI	Slovak Food Composition Data Bank
GOVERNMENT_OF_CANADA	Canadian Nutrient Files
HHF	Composition tables of foods and Greek dishes
IEO	Food Composition Database for Epidemiological Studies in Italy
IFR	McCance and Widdowson's The Composition of Foods integrated dataset.
IMR	Serbian Food and Nutrition Database
INRAN	Banca Dati di Composizione degli Alimenti
INSA	Tabela de Composição dos Alimentos - INSA
MATIS	ÍSGEM
MEDICAL_SCHOOL_OF_CRETE	Medical School of Crete
MEDPHARM	Souci-Fachman-Kraut: Food Composition and Nutrition Tables
MRI	German Food Code and Nutrient Data Base
NCH	Food composition tables - Bulgaria
NFA	NFA Food Composition Database
NFNI	Food Composition Tables
NNC	Respublikinis Mitybos Centras - EuroFIR Food Classification
NUBEL	NIMS
NZIP	The New Zealand Institute for Plant and Food Research Limited or the New Zealand Ministry of Health.
RIVM	National Institute for Public Health and the Environment (Netherlands)
THL	Fineli
TUBITAK	Turkish food composition database system.
UCC	Irish Food Composition Database
UGR	Base de Datos Española de Composición de Alimentos - RedBEDCA
UIO	Norwegian Food Composition Tables
USDA	United States Department of Agriculture (USDA)-The National Nutrient Data Bank is a repository of information for up to 146 nutrients for over 7,900

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	foods. It is made available in a principle database--the USDA National Nutrient Database for Standard Reference (SR)—online (http://www.ars.usda.gov/Services/docs.htm?docid=8964).
UVI	German "Bundeslebensmittelschlüssel"

6.62. Freshwater Ecotoxicity Model Code

GS1 Code List	FreshwaterEcotoxicityModelCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CML_2002	CML_2002
GPPS_2DOT0	GPPS_2DOT0
OTHER	Code value not available in code list.
RECIPE	RECIPE
TRACI	TRACI
USETOX	USETOX

6.63. Freshwater Ecotoxicity Reference Substance Code

GS1 Code List	FreshwaterEcotoxicityReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CTU_PER_FU	CTU Per Functional Unit
KG_1_4_DB_EQUIVALENT_PER_FU	Kilograms 1 4 DB equivalent per functional unit.
KG_2_4_DB_EQUIVALENT_PER_FU	Kilograms 2 4 DB equivalent per functional unit.
OTHER	Code value not available in code list.

6.64. Functional Basis Unit Code

GS1 Code List	FunctionalBasisUnitCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
23	Grams Per Cubic Centimetre: Grams Per Cubic Centimetre

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58	Net kilogram: A unit of mass defining the total number of kilograms after deductions.
59	Part per million: A unit of proportion equal to 10-6 (ppm).
4G	Microlitre: A microlitre is one millionth of a litre
4H	Micrometre: A micrometre is one millionth of a metre, also termed Micron.
5B	Batch: A unit of count defining the number of batches (batch: quantity of material produced in one operation or number of animals or persons coming at once).
ANN	Year: Unit of time equal to 365,25 days.
APZ	Troy ounce or apothecary ounce: The troy ounce is a unit of imperial measure. In the present day it is most commonly used to gauge the weight and therefore the price of precious metals. One troy ounce equals 480 grains or 31.1035 grams.
AS	Assortment: A unit of count defining the number of assortments (assortment: set of items grouped in a mixed collection).
BB	Base box: A unit of area of 112 sheets of tin mil products (tin plate, tin free steel or black plate) 14 by 20 inches, or 31,360 square inches.
BFT	Board Foot: A specialized unit of measure for the volume of rough lumber (before drying and planing with no adjustments) or planed/surfaced lumber. It is the volume of a one-foot length of a board one foot wide and one inch thick. Some countries utilize the synonym super foot or superficial foot.
BLL	Barrel US: There are varying standards for barrel for some specific commodities, including 31 gal for beer, 40 gal for whiskey or kerosene, and 42 gal for petroleum. The general standard for liquids is 31.5 gal or half a hogshead; the general standard for dry contents is 7,056 Cubic Inches.
BP	Hundred board foot: A unit of volume equal to one hundred board foot.
BTU	British thermal unit: The British thermal unit (BTU or Btu) is a traditional unit of energy. It is approximately the amount of energy needed to heat one pound of water one degree Fahrenheit. One Btu is equal to about 1.06 kilojoules. It is used in the power, steam generation, heating and air conditioning industries.
BUA	Bushel (US): A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture
BUI	Bushel (UK): A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture
C18	Millimole: a millimole is one thousandth of a mole.
C26	Millisecond: A millisecond (from milli- and second; abbreviation: ms) is a thousandth (1/1000) of a second.
CGM	Centigram: A centigram is one hundredth (1/100) of a gram
CLT	Centilitre: A centilitre is one hundredth (1/100) of a litre
CMK	Square centimetre: A square centimetre is an area of a square whose sides are exactly 1 centimetre in length.
CMQ	Cubic centimetre: A cubic centimetre is the volume of a cube of side length one centimetre (0.01 m) equal to a millilitre.
CMT	Centimetre: A centimetre is equal to one hundredth of a metre.
CWA	Hundred pound (cwt) / hundred weight (US): A unit of weight in the U.S. Customary System equal to 100 pounds (45.36 kilograms); also called cental.
CWI	Hundred weight (UK): A unit of weight in the British Imperial System equal to 112 pounds (50.80 kilograms); also called quintal.
D30	Terajoule: A terajoule is 10^{12} joules
D32	Terawatt hour: A terawatt hour is 109 * kilowat hour or 3.6 petajoules.
D70	Calorie - International Table (IT): A calorie is 1/100 of the amount of energy required to warm one gram of air-free water from 0 °C to 100 °C at standard atmospheric pressure; this is about 4.190 J. Its use is archaic, having been replaced by the SI unit of energy, the joule. However, in many countries it remains in common use as a unit of food energy. In the context of nutrition, and especially food labeling, the calorie is approximately equal to 4.1868 joules (J), and energy values are normally quoted in kilojoules (kJ) and kilocalories (kcal).
DAY	Days: A day is one three hundreds and sixty fifth (1/365) of a year

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DG	Decigram: A decigram is one tenth (1/10) of a gram.
DLT	Decilitre: A decilitre is one tenth (1/10) of a litre.
DMK	Square decimetre: A square deciimetre is an area of a square whose sides are exactly 1 deciimetre in length.
DMQ	Cubic decimetre: A cubic decimetre is the volume of a cube of side length one decimetre (0.1 m)
DMT	Decimetre: A decimetre is equal to one tenth of a metre.
DRA	"Dram (US): The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidram. The term also refers to the fluid dram, a measure of capacity equal 1⁄8 of a fluid ounce, which means it is exactly equal to 3.696 691 195 312 5 mL in the United States.
DRI	Dram (UK): The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidram. The fluid dram is defined as 1⁄8 of a fluid ounce, which means it is exactly equal to 3.551 632 812 500 0 mL in the Commonwealth and Ireland. In England dram came to mean a small draught of cordial or alcohol; hence the term dram-house for the taverns where one could purchase a dram.
DZN	Dozen: A unit of count defining the number of units in multiples of 12.
E14	Kilocalorie (international table): A unit of energy equal to 1000 calories.
E27	Dose: A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug).
E4	Gross kilogram: A unit of mass defining the total number of kilograms before deductions.
E55	Use: A unit of count defining the number of times an object is used.
EA	Each: A unit of count defining the number of items regarded as separate units.
FH	Micromole: One millionth (10 -6) of a mole.
FOT	Foot: The international foot is defined to be equal to 0.3048 meters.
FTK	Square foot: A square foot is an area of a square whose sides are exactly 1 foot in length.
FTQ	Cubic foot: A cubic foot is the volume of a cube of side length one foot (0.3048 m) .
G23	Peck: A peck is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 2 gallons, 8 dry quarts, or 16 dry pints.
G24	Tablespoon: Tablespoon. 1/2 fluid ounces, 3 teaspoons, 15 millilitres
G25	Teaspoon: Teaspoon. 1/6 fluid ounces or 5 millilitres
GLI	Gallon (UK): The imperial (UK) gallon was legally defined as 4.54609 litres.
GLL	Gallon (US): The U.S. liquid gallon is legally defined as 231 cubic inches, and is equal to exactly 3.785411784 litres or about 0.133680555 cubic feet.
GM	"Gram per square metre: In the metric system, the density of all types of paper, paperboard, and fabric, is expressed in terms of grams per square meter (g/m²). This quantity is commonly called grammage both in English and French (ISO 536), though many English-speaking countries still refer to the "weight". The term density here is used somewhat incorrectly, as density is mass by volume. More precisely, it is a measure of the area density, areal density, or surface density."
GRM	Gram: A gram is defined as one one-thousandth of the kilogram (1×10-3 kg).
GRN	Grain: A grain or troy grain is precisely 64.79891 milligrams. Exactly 7,000 grains per avoirdupois pound.
GRO	Gross: A unit of count defining the number of units in multiples of 144 (12 x 12).
GWH	Gigawatt hour: A gigaawatt hour is 109 kilowat hour or 3.6 terajoules.
H87	Piece: A unit of count defining the number of pieces (piece: a single item, article or exemplar).
HC	Hundred count: A unit of count defining the number of units counted in multiples of 100.
HD	Half dozen: A unit of count defining the number of units in multiplt of six (6).

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HGM	Hectogram: A hectogram is one hundred (100) grams
HLT	Hectolitre: A hectolitre is one hundred (100) litres.
HUR	Hour: An hour is a unit of measurement of time of the duration of 60 minutes, or 3600 seconds. It is 1/24 of a median Earth day.
INH	Inches: An international inch is defined to be equal to 25.4 millimeters.
INK	Square inch: A square inch is an area of a square whose sides are exactly 1 inch in length.
INQ	Cubic inch: A cubic inch is the volume of a cube of side length one inch (0.254 m).
JOU	Joule: A joule is the energy exerted by a force of one newton acting to move an object through a distance of one metre.
K6	Kilolitre: A kilolitre is one thousand (1000) litres.
KGM	Kilogram: A unit of mass equal to one thousand grams.
KJO	Kilojoule: A kilojoule is 1000 joules
KMT	Kilometre: A kilometre is one thousand (1000) metres
KT	Kit: A unit of count defining the number of kits (kit: tub, barrel or pail).
KWH	Kilowatt hour: A kilowatt hour is a unit of energy equal to 3.6 megajoules. It is also a common commercial unit of electric energy representing the amount of energy delivered at a rate of 1,000 watts over a period of one hour.
KWT	Kilowatt: A kilowatt is one thousand (1000) watts
LBR	Pound: The international avoirdupois pound of exactly 0.45359237 kilogram.
LF	Linear foot: A unit of count defining the number of feet (12-inch) in length of a uniform width object.
LK	Link: A unit of distance equal to 0.01 chain.
LM	Linear metre: A unit of count defining the number of metres in length of a uniform width object.
LR	Layer: A unit of count defining the number of layers.
LTN	Ton (UK) or long ton (US): Ton (UK) = 1016 Kg or 2240 Lb.
LTR	Litre: A litre is defined as a special name for a cubic decimetre (1 L = 1 dm3 = 103 cm3).
MAW	Megawatt: A unit of power defining the rate of energy transferred or consumed when a current of 1000 amperes flows due to a potential of 1000 volts at unity power factor.
MC	Microgram: A microgram is one millionth of a gram (0.000001)
MGM	Milligram: A milligram is one thousandth of a gram (0.001)
MIK	Square mile: A square mile is an area of a square whose sides are exactly 1 mile in length.
MIN	Minute (unit of time): A minute is a unit of time equal to 1/60th of an hour or 60 seconds
MLT	Millilitre: A millilitre is one thousandth of a litre (0.001)
MMK	Square millimetre: A square millimetre is an area of a square whose sides are exactly 1 millimetre in length.
MMQ	Cubic millimetre: A cubic millimetre is the volume of a cube of side length one milliimetre (0.001 m)
MMT	Millimetre: A millimetre is one thousandth of a metre (0.001)
MON	Month: Unit of time equal to 1/12 of a year of 365,25 days
MTK	Square metre: A square metre is an area of a square whose sides are exactly 1 metre in length.
MTQ	Cubic metre: A cubic metre is the volume of a cube of side length one metre.
MTR	Metre: The metre is the basic unit of length in the International System of Units (SI).
MWH	Megawatt hour (1000 kW.h): A unit of energy defining the total amount of bulk energy transferred or consumed.
NL	Load: A unit of volume defining the number of loads (load: a quantity of items carried or processed at one time).
ON	Ounces per square yard: The weight of one square yard of the material expressed in ounces. Commonly used to express the density or weight of all types of paper,

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	paperboard, and fabric, e.g. 20 OZ or 20 weight denim has an area density of 20 oz/yd2. The term density here is used somewhat incorrectly, as density is mass by volume. More precisely, it is a measure of the area density, areal density, or surface density.
ONZ	Ounce: A unit of mass with several definitions, the most commonly used of which are equal to approximately 30 grams
OZA	Fluid ounce (US): A fluid ounce (US) is equal to one sixteenth (1/16) of a US pint or 29.5735295625 millilitres.
OZI	Fluid ounce (UK): A fluid ounce (UK) is equal to one thirtieth (1/30) of a UK pint or 28.4130625 millilitres.
P1	Percent: A unit of proportion equal to 0.01.
PD	Pad: A unit of count defining the number of pads (pad: block of paper sheets fastened together at one end).
PR	Pair: A unit of count defining the number of pairs (pair: item described by two's).
PTD	Dry Pint (US): The United States dry pint is equal one eighth of a US dry gallon or one half US dry quarts. It is used in the United States but is not as common as the liquid pint.
PTI	Pint (UK): A pint (UK) is equal to 1/8 Gallon (UK); used primarily as a measure for beer and cider when sold by the glass.
PTL	Liquid pint (US): The US liquid pint is equal one eighth of a United States liquid gallon.
QB	Page - hardcopy: A unit of count defining the number of hardcopy pages (hardcopy page: a page rendered as printed or written output on paper, film, or other permanent medium).
QTD	Quart (US dry): A US dry quart is equal to 1/32 of a US bushel, exactly 1.101220942715 litres.
QTL	Liquid quart (US): A US liquid quart exactly equals 57.75 cubic inches, which is exactly equal to 0.946352946 litres.
SEC	Second (unit of time): A second is a unit of time equal to 1/60th of a minute.
SET	Set: A unit of count defining the number of sets (set: a number of objects grouped together).
SMI	Mile (statute mile): A statute mile of 5,280 feet (exactly 1,609.344 meters).
SRV	Serving: The recommended portion of food to be eaten
STN	Ton (US) or short ton (UK): Ton (US) = 2000 Lb. or 907 Kg.
SX	Shipment: A unit of count defining the number of shipments (shipment: an amount of goods shipped or transported).
TNE	Tonne: Metric ton = 1000 Kg
U2	Tablet: A unit of count defining the number of tablets (tablet: a small flat or compressed solid object).
WEE	Week: A week is a time unit equal to seven days.
WHR	Watt hour: The watt-hour is a unit of energy equivalent to one watt of power expended for one hour of time; it is equal to 3.6 kilojoules. The watt-hour is rarely used to express energy in any form other than electrical.
WTT	Watt: A watt is a derived unit of power; one watt is equivalent to 1 joule (J) of energy per second.
X_NGM	Nanogram: A nano gram is 10-9 gram or a billionth of a gram.
YDK	Square Yard: A square yard is the area of a square with sides of one yard (three feet, thirty-six inches, 0.9144 metres) in length
YRD	Yard: A yard is It is equal to 3 feet or 36 inches or 0.9144 meter.
ZZ	Mutually Defined: A unit of measure as agreed in common between two or more parties.

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6.65. Game Format Code

GS1 Code List	GameFormatCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
8_BIT_NINTENDO	8 bit format developed by Nintendo.
16_BIT_SUPER_NINTENDO	16 bit format developed by Nintendo.
ATARI	A game system developed by ATARI.
DREAMCAST	A video game console that was released by Sega
GAME_BOY_ADVANCED	A 32-bit handheld video game console developed, manufactured and marketed by Nintendo
JAGUAR	A 64 bit video game console that was released by Atari Corporation in 1993
LYNX	A format for ATARI.
MAC_GAMES	New Format that in effect separates PC_GAMES into PC_GAMES and MAC_GAMES
NEO_GEO	A family of video game hardware developed by SNK Playmore Corporation
NINTENDO_3DS	Nintendo 3DS is a new gaming system that is a 3 Dimensional gaming experience that does not require 3D glasses. Existing Nintendo DS games can be played using the 3DS gaming system, but will be displayed in 2D. The 3DS games are only compatible on the 3DS gaming system.
NINTENDO_GAME_CUBE	A sixth generation video game console released by Nintendo
NINTENDO_PORTABLE_DUAL_SCREEN	Trade name of the Nintendo DS (Dual Screen System) electronic game format.
NINTENDO_WII	Trade name of the Nintendo Wii electronic game format.
NINTENDO_WII_U	WII U is a stationary console which comes with a controller that has its own Output device in a 6.2” Screen for viewing thus eliminating the need for a TV or allowing gamer to have different displays on the TV and Gaming controller.
NINTENDO_64	Game system sold by Nintendo.
PC_GAMES	A computer game, is a video game played on a personal computer
PLAYSTATION	The trade marked brand name and model for a specific electronic game format manufactured by Sony Corporation.
PLAYSTATION_2	The trade marked brand name and model for a specific electronic game format manufactured by Sony Corporation.
PLAYSTATION_3	The trade marked brand name and model for a specific electronic game format manufactured by Sony Corporation.
PLAYSTATION_4	The trade marked brand name and model for a specific electronic game format manufactured by Sony Corporation.

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PLAYSTATION_VITA	PSVITA Gaming Platform is a unit of the Portable PlayStation, thus it is a portable handheld device. PSVITA is 3G and Wi-Fi enabled.
SEGA_GENESIS	A fourth-generation video game console developed and produced by Sega
SONY_PORTABLE_PLAYSTATION	Trade name of the SONY PSP (PlayStation Portable) electronic game format.
XBOX	The trade marked brand name and model for a specific electronic game format manufactured by Microsoft Corporation.
XBOX_360	The trade marked brand name and model for a specific electronic game format manufactured by Microsoft Corporation.
XBOX_ONE	The trade marked brand name and model for a specific electronic game format manufactured by Microsoft Corporation.

6.66. GHS Signal Words Code

GS1 Code List	GHSSignalWordsCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DANGER	A word used for more severe hazard categories.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
UNSPECIFIED	Value not stated.
WARNING	A word used for less severe hazard categories.

6.67. GHS Symbol Description Code

GS1 Code List	GHSSymbolDescriptionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CORROSION	Depicts corrosives to skin, eyes and/or metals.
ENVIRONMENT	Tree and dead fish. Depicts hazards to the aquatic environment.
EXCLAMATION_MARK	Depicts other health hazards.
EXPLODING_BOMB	Depicts explosives and some self-reactives and/or organic peroxides.
FLAME	Depicts flammable substances.
FLAME_OVER_CIRCLE	Depicts oxidizing gases, liquids or solids.
GAS_CYLINDER	Depicts gases under pressure
HEALTH_HAZARD	Depicts severe health hazards.

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NO_PICTOGRAM	No Pictogram symbol is available.
SKULL_AND_CROSSBONES	Depicts acute toxicity.

6.68. Global Warming Potential Equivalent Basis Years Code

GS1 Code List	GlobalWarmingPotentialEquivalentBasisYearsCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
20	20 Years
100	100 Years
500	500 Years

6.69. Global Warming Potential Equivalent Protocol Code

GS1 Code List	GlobalWarmingPotentialEquivalentProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
IPCC_3RD_ASSESSMENT_REPORT	IPCC 3rd Assessment Report
IPCC_4TH_ASSESSMENT_REPORT	IPCC 4th Assessment Report
OTHER	Code value not available in code list.

6.70. Global Warming Potential Equivalent Substance Code

GS1 Code List	GlobalWarmingPotentialEquivalentSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_CO2_EQ_PER_FU	Kilograms CO2 equivalent per functional unit.
OTHER	Code value not available in code list.

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6.71. Grape Variety Code

GS1 Code List	GrapeVarietyCode
GS1 Code List Version	GS1 GPC Schema as of 01062015
Managing Agency	GS1
Based on Code List	GPC Attribute Descriptions for Grape Variety (e.g. MERLOT).
Type Of Management	n/a

6.72. Growing Method Code

GS1 Code List	GrowingMethodCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CAGE_FREE	The item comes from a chicken able to move about inside a barn without being confined to cages.
CLONED_FOODS	Product is a result of genetic engineering.
CONVENTIONAL	Foods grown non-organically, either indoors or outdoors without any special processes.
FARM_RAISED	The item comes from an animal (bird, fish, or mammal), that is raised on a farm.
FIELD_GROWN	Plants Grown Outdoors
FLY_FREE	Citrus Grown in an area certified to be free of all Caribbean Fruit Flies based on trappings
FREE_RANGE	The item comes from a chicken able access to an outdoor area.
GRASS_FED	The item comes from an animal (bird, fish, or mammal), that is grass fed.
GREENHOUSE	Plants that are grown and cultivated in an indoor covered place.
HUMANELY_RAISED	A process where animals are raised such that the welfare of the animal is a foremost concern.
HYDROPONIC	Plants grown using mineral nutrient solutions instead of soil.
INTEGRATED_PEST_MANAGEMENT	(IPM) Plants grown using a pest control strategy that uses an array of complimentary methods: mechanical devices, physical devices, genetic, biological, legal, cultural management and chemical management. These methods are done in three stages: prevention, observation, and intervention. It is an ecological approach with a main goal of significantly reducing or eliminating the use of pesticides.
ORGANIC	Foods grown organically, either indoors or outdoors
SHADE_GROWN	Plant grown under shade of a canopy of trees; typically used in the cultivation of coffee
SUSTAINABLE	A method of growing a resource so that the resource is not depleted or permanently damaged

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WILD	The item from an animal (bird, fish, or mammal), caught in the wild not in captivity.

6.73. GS1 Trade Item Identification Key Type Code

GS1 Code List	GS1TradeItemIdentificationKeyTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
GTIN_8	The 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_12	The 12-digit GS1 Identification Key composed of a U.P.C. Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_13	The 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_14	The 14-digit GS1 Identification Key composed of an Indicator digit (1-9), GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.

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6.74. Hanger Standard Agency Code

GS1 Code List	HangerStandardAgencyCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	TypeHangerAgencyList
Type Of Management	n/a
Code Value	**Code Definition**
SKRS	Standard-Kleiderbügel-Rückführsystem
VICS	Voluntary Interindustry Commerce Solutions Association

6.75. Hazardous Materials Transportation Mode Agency Code

GS1 Code List	HazardousMaterialsTransportationModeAgencyCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ADR	Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route.
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
OTHER	Any other hazardous materials transportation scheme or agency not specifically included in this list.
USDOT	United States Department of Transportation

6.76. Hazardous Materials Transportation Mode Code

GS1 Code List	HazardousMaterialsTransportationModeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DOMESTIC_AIR_CARGO	Transported by aircraft within a single country with no paid passengers.
DOMESTIC_AIR_PASSENGER	Transported by aircraft within a single country with paid passengers.
GROUND	Transportation of the goods is done by road or rail, but not by air.

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INTERNATIONAL_AIR_CARGO	Transported by aircraft across borders with no paid passengers.
INTERNATIONAL_AIR_PASSENGER	Transported by aircraft across borders with no paid passengers.
VESSEL_DOMESTIC	Transported by ship within a single country.
VESSEL_INTERNATIONAL	Transported by ship across borders.

6.77. Hazardous Substances Minimization Code

GS1 Code List	HazardousSubstancesMinimizationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EN_13428	Packaging - Requirements specific to manufacturing and composition Prevention by source reduction
ISO_18602	ISO, Packaging and the environment -- Optimization of the packaging system
OTHER	Code value not available in code list.

6.78. Health Claim Code

GS1 Code List	HealthClaimCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
PROBIOTIC	To indicate the value of probiotics

6.79. HDMI Feature Code

GS1 Code List	HDMIFeatureCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DEEP_COLOR	A term used to describe a method of representing graphical image data using an extremely large number of shades, hues and luminosities, capable of displaying billions of possible colors.
DOLBY_TRUE_HD	an advanced lossless multi-channel audio codec developed by Dolby Laboratories which is intended primarily for high-definition home-entertainment equipment
DTS_HD_MASTER_AUDIO	A lossless audio codec created by Digital Theater System.

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HIGH_SPEED_CABLE	For use with high definition content.
HDMI_CEC	Consumer Electronics Control
LIP_SYNC_CORRECTION	The relative timing of audio (sound) and video (image) portions during creation, post-production (mixing), transmission, reception and play-back processing.
MINI_CONNECTOR	For use in linking two units together for a digital connection.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
X_V_COLOR	x.v.Color;

6.80. HDMI Testing Agency Code

GS1 Code List	HDMITestingAgencyCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	Not Certified
2	No HDMI ports
3	SimplayHD
4	Silicon Image Inc - Sunnyvale CA
5	Silicon Image Inc - Shenzhen China
6	Silicon Image Inc - Shanghai China
7	Philips Semiconductors – Europe
8	Matsushita Electrical Industrial Co Ltd - Osaka Japan
9	Sony Corporation - Tokyo Japan

6.81. Healthcare Trade Item Reusability Type Code

GS1 Code List	HealthcareTradeItemReusabilityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
LIMITED_REUSABLE	Manufacturer has indicated that product may be reused but has provided special instructions, limitations or guidelines around the reuse of this trade item.
REUSABLE	Product can be reused
REUSABLE_SAME_PATIENT	Product can only be reused for the same patient.
SINGLE_USE	Item is not intended to be reused.

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6.82. Import Classification Type Code

GS1 Code List	ImportClassificationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CUSTOMS_TARIFF_NUMBER	NOT AVAILABLE
CTCURBK	Customs Tariff Of The Customs Union Between Russia Belarus And Kazakhstan.
EU_EXCISE_PRODUCT_CODE	EU classification of the products that are subjected to excise duties : http://goo.gl/Q671jF.
FEACNRF	Foreign Economic Activity Commodity Nomenclature of Russian Federation.
HARMONIZED_COMMODITY_DESCRIPTION_AND_CODING_SYSTEM	An internationally standardized system of names and numbers for classifying traded products developed and maintained by the World Customs Organization (WCO)
HARMONIZED_TARIFF_SCHEDULE_OF_THE_US	Tariff classifications for goods imported into the United States.
INTRASTAT	A system for collecting information and producing statistics on the trade in goods between countries of the European Union (EU).
INTRASTAT_COMBINED_NOMENCLATURE	Collection of commodity codes used with the European Union.
MERCOSUR	A regional trade agreement created in 1991, and it is integrated by Brazil, Argentina, Uruguay, Paraguay and Venezuela.
NETHERLANDS	Netherlands
NOMENCLATURE_GENERALE_DES_PRODUITS	This import classification type is a French supplement to the European combined nomenclature.
TARIF_INTEGRE_DE_LA_COMMUNAUTE	Integrated Tariff of the European Community.
TN_VED	A commodity nomenclature of foreign-economic activity in Commonwealth of Independent States.

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6.83. Ingredient of Concern Code

GS1 Code List	IngredientOfConcernCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
IODISED_SALT	Iodised Salt
RAW_MILK	Raw Milk

6.84. Internal Memory Type Code

GS1 Code List	InternalMemoryTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DDR3	A random access memory technology used for high speed storage of the working data of a computer or other digital electronic device.
HARD_DRIVE	A storage device that stores digitally encoded data on rotating platters with magnetic surfaces.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.

6.85. Item Depiction Code

GS1 Code List	ItemDepictionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ASSEMBLED	The item has been put together.
GIFT_WRAPPED	The item has been wrapped as a gift, with decorative paper, ribbon, etc.
OTHER	Other
UNSPECIFIED	Value not stated.

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6.86. Item Position Code

GS1 Code List	ItemPositionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
HELD	The item is being held by a model.
LIMBO	The item is suspending in such a fashion as to appear to have nothing holding it.
OTHER	Other
PROPPED	The item is propped or leaning against some other object.
UNSPECIFIED	Value not stated.

6.87. Level Of Containment Code

GS1 Code List	LevelOfContainmentCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
30	The substance is not intentionally nor inherently included in the product, however because it is assessed to not require a cross contact declaration, product testing may not always be conducted for confirmation for example milk not inherently containing shellfish or peanuts or cheese sticks with no declaration of shellfish.
50	Derived From: The product has been derived from ingredients with the specified condition as defined by the regulatory authority in the target market.
60	Not Derived From: The product has not been derived from ingredients with the specified condition as defined by the regulatory authority in the target market.
CONTAINS	Intentionally included in the product.
FREE_FROM	The product is free from the indicated substance.
MAY_CONTAIN	The substance is not intentionally included, but due to shared production facilities or other reasons, the product may contain the substance.
UNDECLARED	Not intentionally included in the product and assessed not to require a cross-contact declaration.

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6.88. Mass Equivalent Code

GS1 Code List	MassEquivalentCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FRESH_WATER_CONSUMPTION	Fresh water consumption.
IONIZING_RADIATION_HUMAN	The measurement protocol used to determine Ionizing Radiation.
LAND_USE	Land use
NON_RENEWABLE_RESOURCE_DEPLETION	A measure of the depletion of non-renewable resources, i.e. a decrease in the availability of resources.
OTHER	Code value not available in code list.
OZONE_DEPLETION	Indicates the amount of materials contributing to the degradation of the earth's stratospheric ozone layer caused by certain types of pollutants, such as chlorofluorocarbons.
PARTICULATE_RESPIRATORY_EFFECTS	Measurement of emissions of particulate matter having human health effects such as asthma, lung cancer, cardiovascular issues and premature death in cases of chronic exposure.
PHOTOCHEMICAL_OZONE_CREATION_POTENTIAL_POCP	Mass of non-methane volatile organic compound equivalents: A measurement of the potential of ozone creation at ground level (i.e. tropospheric ozone) through photochemical transformation of ozone precursor emissions.

6.89. Mass Equivalent Fresh Water Consumption Protocol Code

Use when mass equivalent code= FRESH_WATER_CONSUMPTION

GS1 Code List	MassEquivalentFreshWaterConsumptionProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
GPPS_2DOT0	GPPS_2DOT0
OTHER	Code value not available in code list.

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6.90. Mass Equivalent Fresh Water Consumption Substance Code

Use when mass equivalent code= FRESH_WATER_CONSUMPTION

GS1 Code List	MassEquivalentFreshWaterConsumptionSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
M3_PER_FU	M3 per functional unit.
OTHER	Code value not available in code list.

6.91. Mass Equivalent Ionizing Radiation Human Protocol Code

Use when mass equivalent code= IONIZING_RADIATION_HUMAN

GS1 Code List	MassEquivalentIonizingRadiationHumanProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FRISCHKNECHT_2000	FRISCHKNECHT 2000
OTHER	Code value not available in code list.

6.92. Mass Equivalent Ionizing Radiation Human Substance Code

Use when mass equivalent code= IONIZING_RADIATION_HUMAN

GS1 Code List	MassEquivalentIonizingRadiationHumanSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_U235_EQ_PER_FU	Kilogram U235 equivalent per functional unit.
OTHER	Code value not available in code list.

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6.93. Mass Equivalent Land Use Protocol Code

Use when mass equivalent code= LAND_USE

GS1 Code List	MassEquivalentLandUseProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ECOINDICATOR_99	ECOINDICATOR 99
RECIPE_LAND_OCCUPATION	Recipe land occupation.
IMPACT_2002_PLUS	IMPACT 2002 PLUS
OTHER	Code value not available in code list.

6.94. Mass Equivalent Land Use Substance Code

Use when mass equivalent code= LAND_USE

GS1 Code List	MassEquivalentLandUseSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
M2_YEAR_EQ_PER_FU	m^2 year per functional unit
M2_YEAR_ORGANIC_ARABLE_LAND_EQ_PER_FU	m^2 year organic arable land equivalent per functional unit
M2_YEAR_URBAN_LAND_EQ_YEAR_PER_FU	m^2 year urban land equivalent per functional unit
OTHER	Code value not available in code list.

6.95. Mass Equivalent Nonrenewable Resource Depletion Protocol Code

Use when mass equivalent code= NON_RENEWABLE_RESOURCE_DEPLETION

GS1 Code List	MassEquivalentNonrenewableResourceDepletionProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CML_2002	CML_2002
EDIP_1997	EDIP_1997

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OTHER	Code value not available in code list.

6.96. Mass Equivalent Non Renewable Resource Depletion Substance Code

Use when mass equivalent code= NON_RENEWABLE_RESOURCE_DEPLETION

GS1 Code List	MassEquivalentNonrenewableResourceDepletionSubstance Code
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_ANTIMONY_EQUIVALENTS_PER_FU	Kilograms antimony equivalent per functional unit.
OTHER	Code value not available in code list.
PERSON_RESERVE_KG_PER_FU	Person reserve kilograms per functional unit.

6.97. Mass Equivalent Ozone Depletion Protocol Code

Use when mass equivalent code= OZONE_DEPLETION

GS1 Code List	MassEquivalentOzoneDepletionProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
WMO_1990	WMO_1990
OTHER	Code value not available in code list.

6.98. Mass Equivalent Ozone Depletion Reference Substance Code

Use when mass equivalent code= OZONE_DEPLETION

GS1 Code List	MassEquivalentOzoneDepletionReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_CFC_11_EQ_PER_FU	Kilograms CFC-11 equivalent per functional unit.
OTHER	Code value not available in code list.

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6.99. Mass Equivalent Particulate Respiratory Effects Protocol Code

Use when mass equivalent code= PARTICULATE_RESPIRATORY_EFFECTS

GS1 Code List	MassEquivalentParticulateRespiratoryEffectsProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Code value not available in code list.
RECIPE	RECIPE

6.100. Mass Equivalent Particulate Respiratory Effects Reference Substance Code

Use when mass equivalent code= PARTICULATE_RESPIRATORY_EFFECTS

GS1 Code List	MassEquivalentParticulateRespiratoryEffectsReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_PM10_EQ_PER_FU	Kilograms PM10 equivalent per functional unit.
KG_PM2DOT5_EQ_PER_FU	Kilograms PM2DOT5 equivalent per functional unit.
OTHER	Code value not available in code list.

6.101. Mass Equivalent Photochemical Ozone Creation Potential Protocol Code

Use when mass equivalent code= PHOTOCHEMICAL_OZONE_CREATION_POTENTIAL_POCP

GS1 Code List	MassEquivalentPhotochemicalOzoneCreationPotentialProtocolCode
GS1 Code List Version	r1 (February2012)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Code value not available in code list.
RECIPE	Recipe

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6.102. Mass Equivalent Photochemical Ozone Creation Potential Substance Code

Use when mass equivalent code= PHOTOCHEMICAL_OZONE_CREATION_POTENTIAL_POCP

GS1 Code List	MassEquivalentPhotochemicalOzoneCreationPotentialSubstanceCode
GS1 Code List Version	r1 (February2012)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
KG_NMVOC_EQ_PER_FU	KG non-methane volatile organic compounds equivalent per functional unit.
OTHER	Code value not available in code list.

6.103. Material Agency Code

GS1 Code List	MaterialAgencyCode	
GS1 Code List Version	r1 (February2012)	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
ANSI	American National Standards Institute	American National Standards Institute (ANSI) oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards.- http://www.ansi.org/
ASME	American Society of Mechanical Engineers	The American Society of Mechanical Engineers (ASME) is a professional body, specifically an engineering society, focused on mechanical engineering. The organization's stated vision is to be the premier organization for promoting the art, science and practice of mechanical and multidisciplinary engineering and allied sciences to the diverse communities throughout the world. Its stated mission is to promote and enhance the technical competency and professional well-being of its members, and through quality programs and activities in mechanical engineering, better enable its practitioners to contribute to the well-being of humankind. Http://www.asme.org/

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ASTM	American Society for Testing and Materials	American Society for Testing and Materials International (ASTM) specification documents, test methods, classifications, practices, and guides. These standards describe the characteristics of materials, systems, products, and services. ASTM documents are divided into nine sections, Metals, Construction, Paints, Petroleum Products, Plastics, Textiles, Rubber & Electric Insulating Materials, General Test Methods, and Miscellaneous. ASTM technical committees are made up of professionals from around the globe who develop ASTM standards. There are over 130 ASTM technical committees covering diverse industry areas ranging from metals to the environment. http://www.astm.org
CISPI	Cast Iron Soil Pipe Institute	Cast Iron Soil Pipe Institute (CISPI) The Institute is dedicated to aiding and improving the plumbing industry. Through the preparation and distribution of technical reports, we seek to advance interest in the manufacture, use and distribution of cast iron soil pipe and fittings, and through a program of research and the cooperative effort of soil pipe manufacturers, we strive to improve the industry's products, achieve standardization of cast iron soil pipe and fittings, and provide a continuous program of product testing, evaluation and development. Assurance that pipe and fittings meet the approved standards and tolerances of the Institute is provided either by Ç®; or the CI NO-HUB® trademarks which are the collective marks all member companies may place on their products. www.cispi.org
CSA	Canadian Standards Association	Canadian Standards Association (CSA) As a membership-based association serving business, industry, government and consumers in Canada and the global marketplace. As a solutions-oriented organization, CSA works in Canada and around the world to develop standards that address real needs, such as enhancing public health and safety. Advancing the quality of life. Helping to preserve the environment. Facilitating trade. CSA helps people understand standards through education and information products and services.
DIN60001_PART4	Deutsches Institut für Normung 60001 Part 4.	Textile Fibres Codes managed by the Deutsches Institut für Normung.
IAPMO	International Association of Plumbing and Mechanical Officials	International Association of Plumbing and Mechanical Officials (IAPMO) As a membership-based association, IAPMO is proud to utilize an open consensus process in the development of our flagship Uniform Plumbing Code® and Uniform Mechanical Code®. These codes are established through scientific research, debate, and analysis, strengthening our position at the forefront of the plumbing and mechanical industries. www.iapmo.org
ISO	International Organization for Standardization	International Organization for Standardization (ISO) ISO is a non-governmental organization that forms a bridge between the public and private sectors. On the one hand, many of its member institutes are part of the governmental structure of their countries, or are mandated by their government.

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MSS	Manufacturers Standardization Society	The Manufacturers Standardization Society (MSS) of the Valve and Fittings Industry is a non-profit technical association organized for development and improvement of industry, national and international codes and standards for: Valves, Valve Actuators, Pipe Fittings, Valve Modification, Flanges, Pipe Hangers, and Associated Seals. The primary function of MSS is to provide its members the means to develop engineering standard practices for the use and benefit of the industry and users of its products. The Society, the only organization dedicated solely to the technical needs of the industry, is currently comprised of 25 technical committees to write, revise and reaffirm industry standards. http://mss-hq.org/
NSF	National Sanitation Foundation International	National Sanitation Foundation International (NSF) NSF Internal helps protect you by certifying products and writing standard for food, water and consumer goods. NSF International is The Public Health and Safety Company™, providing public health and safety risk management solutions to companies, governments and consumers around the world. www.nsf.org

6.104. Maturation Method Code

GS1 Code List	**MaturationMethodCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
PRECONDITIONED	Product stored at proper temperature prior to shipment to allow ripening and/or colouring, adequate for distribution and/or consumption. Pre-conditioned product is matured to a specific maturity level as a result of ripening through either temperature, gas treatment, humidity or any combination thereof.
TREE_VINE_RIPE	Product that is picked at optimum maturity or just shy of. It is almost 'ripe' or 'ready to eat'. This fruit will be shipped immediately (imported = flown) from the pack-house and stickered as Tree or Vine Ripe.
JET_FRESH	Freshly picked and immediately packed and shipped at mature stage and flown to destination for adequate distribution (i.e. imports from South America, Africa or Europe). Flown by jet to market; the carton will be labelled Jet Fresh, when applicable, stickered Jet Fresh. For the produce industry, most common with berries, stonefruits and pineapples

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6.105. Measurement Precision Code

GS1 Code List	MeasurementPrecisionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ABOUT	To indicate when the number of servings per package has rounded according to allowable rounding rules for the target market. This will add some values as exist in the TM today.
ABSENCE	The method used to analyse the products resulted in absence value of the content.
APPROXIMATELY	The method used to analyse the products resulted in approximate value of the nutritional content.
GREATER_THAN	To indicate presence when the measurement value is allowable to be designated greater than as such by target market regulations.
GREATER_THAN_OR_EQUAL	To indicate presence when the measurement value is allowable to be designated greater than or equal to as such by target market regulations.
EXACT	The method used to analyse the products resulted in exact value of the nutritional content.
LESS_THAN	To indicate presence when the measurement value is too small to be measured precisely (rule states less than 0.5).
LESS_THAN_OR_EQUAL	To indicate presence when the measurement value is allowable to be designated less than or equal to as such by target market regulations.
NOT_SIGNIFICANT_SOURCE_OF	To indicate trace amounts below measurable limits as set forth by target market regulations. This value is primarily for food, beverage and tobacco use.
TRACE	To indicate presence when the measurement value is too small to be measured precisely or measurable by target market regulations.
UNDETECTABLE	The method used to analyse the products resulted in that the measurement value was below the limit of detection.
UNSPECIFIED	Precision not specified.
USUALLY	To indicate when the servings per package are generally around a value such as when the item is referencing a drained solids (the number varies because of a natural variation in unit size, for example pickles).
VARIED	To indicate when the servings per package can be a variable number such as with random weight products.

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6.106. Measurement Unit Code (GDSN)

GS1 Code List	MeasurementUnitCode (GDSN)	
GS1 Code List Version	R1	
Managing Agency	UN/ECE	
Based on Code List	Rec 20	
Type Of Management	Restricted and Extended	
Code Value	**Code Name**	**Code Definition**
23	Grams Per Cubic Centimetre	Grams Per Cubic Centimetre
28	Kilogram per square metre	A unit of pressure equal to $9.80665*10^{-05}$ Bar
58	Net kilogram	A unit of mass defining the total number of kilograms after deductions.
59	Part per million	A unit of proportion equal to 10^{-6} (ppm).
64	Pound per square inch - Gauge	Psig (pound-force per square inch gauge) is a unit of pressure relative to the surrounding atmosphere. At sea level, Earth's atmosphere actually exerts a pressure of 14.7 psi. Humans do not feel this pressure because internal pressure of liquid in their bodies matches the external pressure. If a pressure gauge is calibrated to read zero in space, then at sea level on Earth it would read 14.7 psi. Thus a reading of 30 psig, on Earth, on a tire gauge represents an absolute pressure of 44.7 psi (lb/in^2).
80	Pound per square inch - Absolute	Psia (pound-force per square inch absolute)is a unit of pressure pressure relative to a vacuum (such as that in space). At sea level, Earth's atmosphere actually exerts a pressure of 14.7 psi. Humans do not feel this pressure because internal pressure of liquid in their bodies matches the external pressure. If a pressure gauge is calibrated to read zero in space, then at sea level on Earth it would read 14.7 psi. Thus a reading of 30 psig, on Earth, on a tire gauge represents an absolute pressure of 44.7 psi (lb/in^2).
1N	Count	Count
2N	Decibel	A measurement for sound in air and other gases, relative to 20 micropascals (μPa) = 2×10−5 Pa, the quietest sound a human can hear. This is roughly the sound of a mosquito flying 3 metres away. This is often abbreviated to just "dB"; however the correct abbreviation is dB(SPL), indicating decibel for Sound Pressure Level.
2P	Kilobyte	A unit of information equal to 10^3 (1000) bytes.
2Q	Kilo Becquerel	kBq is 10^3 Bq

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2X	Metre Per Minute	Metre Per Minute
4G	Microlitre	A microlitre is one millionth of a litre
4H	Micrometre	A micrometre is one millionth of a metre, also termed Micron.
4L	Megabyte	A unit of information equal to 10^6 (1000000) bytes.
4N	Megabecquerel	Megabecquerel: 106 Bq1 Bq is defined as the activity of a quantity of radioactive material in which one nucleus decays per second.
5B	Batch	A unit of count defining the number of batches (batch: quantity of material produced in one operation or number of animals or persons coming at once).
A24	Candela per Square Metre	Candela per Square Metre
A71	Femtometre	Femtometre- a quadrillionth of a metre (10 to the negative 15th power)
A86	Gigahertz	A unit of frenquecy equal to 10^9 Hertz
AD	Byte	A unit of information equal to 8 bits.
~~AIU~~	~~Anti XA Unit (International Units)~~	~~A unit of measure for blood potency. International units for the anti XA activity which is a measure to the anti coagulating effect at low molecular heparins. A unit of measure for blood potency~~
AMP	Ampere	Ampere
ANN	Year	Unit of time equal to 365,25 days.
APZ	Troy ounce or apothecary ounce	The troy ounce is a unit of imperial measure. In the present day it is most commonly used to gauge the weight and therefore the price of precious metals. One troy ounce equals 480 grains or 31.1035 grams.
AS	Assortment	A unit of count defining the number of assortments (assortment: set of items grouped in a mixed collection).
ATM	Standard Atmosphere	Standard Atmosphere
ATT	Technical Atmosphere	Technical Atmosphere
AWG	Gauge	Gauge- A number referring to the outer diameter of hypodermic or suture needles. Smaller gauge numbers indicate larger outer diameters. Inner diameter depends on both gauge and wall thickness. An increasing needle-gauge size corresponds to a smaller diameter needle. This is contrary to French Gauge where an increasing gauge size corresponds to a larger external diameter.
AXU	Anti XA Unit	A unit of measure for blood potency. Units for the anti XA activity which is a measure to the anti coagulating effect at low molecular heparins.

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B10	Bit per second	In telecommunications and computing, bitrate (sometimes written bit rate, data rate or as a variable R or fb) is the number of bits that are conveyed or processed per unit of time. The bit rate is quantified using the bits per second (bit/s or bps) unit.
BAR	Bar (unit of pressure)	The bar is widely used in descriptions of pressure; 1 bar = 100 kilopascals 0.987 atmospheres.
B60	Lumens per Square Meter	Lumens per Square Meter
BB	Base box	A unit of area of 112 sheets of tin mil products (tin plate, tin free steel or black plate) 14 by 20 inches, or 31,360 square inches.
BFT	Board Foot	A specialized unit of measure for the volume of rough lumber (before drying and planing with no adjustments) or planed/surfaced lumber. It is the volume of a one-foot length of a board one foot wide and one inch thick. Some countries utilize the synonym super foot or superficial foot.
BLL	Barrel US	There are varying standards for barrel for some specific commodities, including 31 gal for beer, 40 gal for whiskey or kerosene, and 42 gal for petroleum. The general standard for liquids is 31.5 gal or half a hogshead; the general standard for dry contents is 7,056 Cubic Inches.
BP	Hundred board foot	A unit of volume equal to one hundred board foot.
BPM	Beats Per Minute	Beats Per Minute
BQL	Becquerel	The becquerel (symbol Bq) is the SI derived unit of radioactivity. One Bq is defined as the activity of a quantity of radioactive material in which one nucleus decays per second. SI uses the becquerel rather than the second for the unit of activity measure to avoid dangerous mistakes: a measurement in becquerels is proportional to activity, and thus a more dangerous source of radiation gives a higher reading. A measurement in seconds is inversely proportional.
BTU	British thermal unit	The British thermal unit (BTU or Btu) is a traditional unit of energy. It is approximately the amount of energy needed to heat one pound of water one degree Fahrenheit. One Btu is equal to about 1.06 kilojoules. It is used in the power, steam generation, heating and air conditioning industries.
BUA	Bushel (US)	A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture
BUI	Bushel (UK)	A bushel is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 4 pecks or 8 gallons. It is used for volumes of dry commodities (not liquids), most often in agriculture

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C18	Millimole	a millimole is one thousandth of a mole.
C26	Millisecond	A millisecond (from milli- and second; abbreviation: ms) is a thousandth (1/1000) of a second.
C34	Mole	The mole (symbol mol) is the SI base unit of amount of substance; one of a few units used to measure this physical quantity. A mole will possess mass exactly equal to the substance's molecular or atomic weight in grams. That is to say, a substance's atomic or molecular mass in atomic mass units is the same as its molar mass in grams. Because of this, one can measure the number of moles in a pure substance by weighing it and comparing the result to its molecular or atomic weight
C45	Nanometre	Nanometre- a billionth of a metre (10 to the negative 9th power)
C52	Picometre	Picometre- a trillionth of a metre (10 to the negative 12th power)
CEL	Degree Celsius	Celsius (also historically known as centigrade) is a temperature scale, the freezing point of water is 0 degrees Celsius (°C) and the boiling point 100 °C (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 100 degrees apart.
CFU	Colony Forming Units	Colony Forming Units: is a rough estimate of the number of viable bacteria or fungal cells in a sample.
CG	Card	A unit of count defining the number of units of card (card: thick stiff paper or cardboard).
CGM	Centigram	A centigram is one hundredth (1/100) of a gram
CLT	Centilitre	A centilitre is one hundredth (1/100) of a litre
CMK	Square centimetre	A square centimetre is an area of a square whose sides are exactly 1 centimetre in length.
CMQ	Cubic centimetre	A cubic centimetre is the volume of a cube of side length one centimetre (0.01 m) equal to a millilitre.
CMT	Centimetre	A centimetre is equal to one hundredth of a metre.
CWA	Hundred pound (cwt) / hundred weight (US)	A unit of weight in the U.S. Customary System equal to 100 pounds (45.36 kilograms); also called cental.
CWI	Hundred weight (UK)	A unit of weight in the British Imperial System equal to 112 pounds (50.80 kilograms); also called quintal.
D19	Square Metre Kelvin Per Watt	Square metre kelvin per watt .The definition is the thermal resistance (or Rd value) of the material, which is measured by the thickness of the material layer divided by the thermal conductivity of the material. and is expressed in m^2K/W.
D29	Terahertz	A unit of frenquecy equal to 10^{12} Hertz
D30	Terajoule	A terajoule is 10^{12} joules

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D32	Terawatt hour	A terawatt hour is 10^9 * kilowat hour or 3.6 petajoules.
D43	Atomic Mass Units (AMU)	Atomic Mass Units
D5	Kilogram per square centimetre	A kilogram-force per square centimeter (kgf/cm2), often just kilogram per square centimeter (kg/cm2), or kilopond per square centimeter is a unit of pressure using metric units. Its use is now deprecated; it is not a part of the International System of Units (SI), the modern metric system. The unit is similar to the English unit psi (lbf/in2).
D55	Heat Transfer Coefficient	Heat Transfer Coefficient
D63	Book	A unit of count defining the number of books (book: set of items bound together or written document of a material whole).
D70	Calorie - International Table (IT)	A calorie is 1/100 of the amount of energy required to warm one gram of air-free water from 0 °C to 100 °C at standard atmospheric pressure; this is about 4.190 J. Its use is archaic, having been replaced by the SI unit of energy, the joule. However, in many countries it remains in common use as a unit of food energy. In the context of nutrition, and especially food labelling, the calorie is approximately equal to 4.1868 joules (J), and energy values are normally quoted in kilojoules (kJ) and kilocalories (kcal).
DAY	Days	A day is one three hundreds and sixty fifth (1/365) of a year
DD	Degree (Unit of Angle)	A measurement of plane angle, representing 1⁄360 of a full rotation; one degree is equivalent to π/180 radians.
DG	Decigram	A decigram is one tenth (1/10) of a gram.
DLT	Decilitre	A decilitre is one tenth (1/10) of a litre.
DMK	Square decimetre	A square deciimetre is an area of a square whose sides are exactly 1 deciimetre in length.
DMQ	Cubic decimetre	A cubic decimetre is the volume of a cube of side length one decimetre (0.1 m)
DMT	Decimetre	A decimetre is equal to one tenth of a metre.
DRA	Dram (US)	The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidram. The term also refers to the fluid dram, a measure of capacity equal 1⁄8 of a fluid ounce, which means it is exactly equal to 3.696 691 195 312 5 mL in the United States.
DRI	Dram (UK)	The dram (archaic spelling drachm) was historically both a coin and a weight. Currently it is both a small mass in the Apothecaries' system of weights

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		and a small unit of volume. This unit is called more correctly fluid dram or in contraction also fluidram. The fluid dram is defined as 1⁄8 of a fluid ounce, which means it is exactly equal to 3.551 632 812 500 0 mL in the Commonwealth and Ireland. In England dram came to mean a small draught of cordial or alcohol; hence the term dram-house for the taverns where one could purchase a dram.
DZN	Dozen	A unit of count defining the number of units in multiples of 12.
E09	Milliampere hour	Milliampere hour
E14	Kilocalorie (international table)	A unit of energy equal to 1000 calories.
E27	Dose	A unit of count defining the number of doses (dose: a definite quantity of a medicine or drug).
E32	Litre Per Hour	Litre Per Hour
E34	Gigabyte	A unit of information equal to 10^9 bytes.
E35	Terabyte	A unit of information equal to 10^{12} bytes.
E37	Pixel	A unit of count defining the number of pixels (pixel: picture element).
E39	Dots per inch	A unit of count defining the number of dots per linear inch as a measure of the resolution or sharpness of a graphic image.
E4	Gross kilogram	A unit of mass defining the total number of kilograms before deductions.
E55	Use	A unit of count defining the number of times an object is used.
EA	Each	A unit of count defining the number of items regarded as separate units.
ELU	ELISA Units	Enzyme-linked immunosorbent assay unit, is always associated with a product and a method.
F27	Gram Per Hour	Gram Per Hour
FAH	Degree Fahrenheit	The Fahrenheit temperature scale, the freezing point of water is 32 degrees Fahrenheit (°F) and the boiling point 212 °F (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 180 degrees apart.
FJ	Sizing Factor	Sizing Factor
FH	Micromole	One millionth (10 -6) of a mole.
FOT	Foot	The international foot is defined to be equal to 0.3048 meters.
FP	Pound per square foot	A non SI unit of Pressure approximately equal to 47.88025 PASCAL's.

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FTK	Square foot	A square foot is an area of a square whose sides are exactly 1 foot in length.
FTQ	Cubic foot	A cubic foot is the volume of a cube of side length one foot (0.3048 m) .
G21	Cup (US)	Cup (US)
G23	Peck	A peck is an imperial and U.S. customary unit of dry volume, equivalent in each of these systems to 2 gallons, 8 dry quarts, or 16 dry pints.
G24	Tablespoon	Tablespoon. 1/2 fluid ounces, 3 teaspoons, 15 millilitres
G25	Teaspoon	Teaspoon. 1/6 fluid ounces or 5 millilitres
GBQ	Gigabecquerel	A unit of activity equal to 10^9 becquerels.
GL	Gram Per Litre	A unit of measurement of mass concentration that shows how many grams of a certain substance are present in one litre.
GLI	Gallon (UK)	The imperial (UK) gallon was legally defined as 4.54609 litres.
GLL	Gallon (US)	The U.S. liquid gallon is legally defined as 231 cubic inches, and is equal to exactly 3.785411784 litres or about 0.133680555 cubic feet.
GM	Gram per square metre	In the metric system, the density of all types of paper, paperboard, and fabric, is expressed in terms of grams per square meter (g/m²). This quantity is commonly called grammage both in English and French (ISO 536), though many English-speaking countries still refer to the "weight". The term density here is used somewhat incorrectly, as density is mass by volume. More precisely, it is a measure of the area density, areal density, or surface density.
GRM	Gram	A gram is defined as one one-thousandth of the kilogram (1×10-3 kg).
GRN	Grain	A grain or troy grain is precisely 64.79891 milligrams. Exactly 7,000 grains per avoirdupois pound.
GRO	Gross	A unit of count defining the number of units in multiples of 144 (12 x 12).
GWH	Gigawatt hour	A gigaawatt hour is 10^9 kilowat hour or 3.6 terajoules.
H79	French gauge	The French scale (most correctly abbreviated as Fr, but also often abbreviated as FR or F) is commonly used to measure the catheter size (Circumference is in millimeters), in which 1 Fr = 0.33 mm in diameter. In the French Gauge system as it is also known, the diameter in millimeters of the catheter can be determined by dividing the French size by 3, thus an increasing French size corresponds with a larger diameter catheter. The following equations summarize the relationships:

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		D(mm) = Fr/3 or Fr = D(mm)*3
H87	Piece	A unit of count defining the number of pieces (piece: a single item, article or exemplar).
HC	Hundred count	A unit of count defining the number of units counted in multiples of 100.
HD	Half dozen	A unit of count defining the number of units in multiplt of six (6).
HEP	Histamine Equivalent Prick	Histamine equivalent prick testing for allergen.
HGM	Hectogram	A hectogram is one hundred (100) grams
HLT	Hectolitre	A hectolitre is one hundred (100) litres.
HTZ	Hertz	A unit of frequency defined as the number of complete cycles per second; it is the basic unit of frequency in the International System of Units (SI).
HUR	Hour	An hour is a unit of measurement of time of the duration of 60 minutes, or 3600 seconds. It is 1/24 of a median Earth day.
INH	Inches	An international inch is defined to be equal to 25.4 millimeters.
INK	Square inch	A square inch is an area of a square whose sides are exactly 1 inch in length.
INQ	Cubic inch	A cubic inch is the volume of a cube of side length one inch (0.254 m).
JOU	Joule	A joule is the energy exerted by a force of one newton acting to move an object through a distance of one metre.
K6	Kilolitre	A kilolitre is one thousand (1000) litres.
KEL	Kelvin	Kelvin: a unit of absolute temperature equal to 1/273.16 of the absolute temperature of the triple point of water. One kelvin degree is equal to one Celsius degree.
KGM	Kilogram	A unit of mass equal to one thousand grams.
KHZ	Kilohertz	A unit of frenquecy equal to 10^3 Hertz
KIU	Kallikrein inactivator unit.	Kallikrein Inactivator Unit per Milliliter definition: An arbitrary unit of a kallikrein inactivator concentration equal to the concentration at which one milliliter of the mixture contains one unit of the kallikrein inactivator
KJO	Kilojoule	A kilojoule is 1000 joules
KMT	Kilometre	A kilometre is one thousand (1000) metres
KNM	Kilonewton Per Square Metre	Kilonewton Per Square Metre
KO	The milliequivalence caustic potash per gram of product	The milliequivalence caustic potash per gram of product. A unit of count defining the number of milligrams of potassium hydroxide per gram of

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		product as a measure of the concentration of potassium hydroxide in the product.
KPA	Kilopascal- a thousand pascals (10 to the 3rd power)	Kilopascal- a thousand pascals (10 to the 3rd power)
KT	Kit	A unit of count defining the number of kits (kit: tub, barrel or pail).
KWH	Kilowatt hour	A kilowatt hour is a unit of energy equal to 3.6 megajoules. It is also a common commercial unit of electric energy representing the amount of energy delivered at a rate of 1,000 watts over a period of one hour.
KWT	Kilowatt	A kilowatt is one thousand (1000) watts
LBR	Pound	The international avoirdupois pound of exactly 0.45359237 kilogram.
LF	Linear foot	A unit of count defining the number of feet (12-inch) in length of a uniform width object.
LK	Link	A unit of distance equal to 0.01 chain.
LM	Linear metre	A unit of count defining the number of metres in length of a uniform width object.
LR	Layer	A unit of count defining the number of layers.
LTN	Ton (UK) or long ton (US)	Ton (UK) = 1016 Kg or 2240 Lb.
LTR	Litre	A litre is defined as a special name for a cubic decimetre (1 L = 1 dm3 = 103 cm3).
LUX	Lux	The International System unit of illumination, equal to one lumen per square meter.
MAW	Megawatt	A unit of power defining the rate of energy transferred or consumed when a current of 1000 amperes flows due to a potential of 1000 volts at unity power factor.
MBR	Millibar	Millibar- a hundred pascals (10 to the 2nd power)
MC	Microgram	A microgram is one millionth of a gram (0.000001)
MEQ	Milliequivalents	mEq or milliequivalents, the measure is used in terms of milliequivalents of solute per liter of solvent (or milliNormal where mEq/L = mN). This is especially common for measurement of compounds in biological fluids; for instance, the healthy level of potassium in the blood of a human is defined between 3.5 and 5.0 mEq/L. To better be able to denote the units of measure for nutrients as used in business today.
MGM	Milligram	A milligram is one thousandth of a gram (0.001)
MHZ	Megahertz	A unit of frenquecy equal to 10^6 Hertz
MIK	Square mile	A square mile is an area of a square whose sides are exactly 1 mile in length.

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MIN	Minute (unit of time)	A minute is a unit of time equal to 1/60th of an hour or 60 seconds
MIU	Million International Unit (NIE)	A unit of count defining the number of international units in multiples of 106.
MLT	Millilitre	A millilitre is one thousandth of a litre (0.001)
MMK	Square millimetre	A square millimetre is an area of a square whose sides are exactly 1 millimetre in length.
MMQ	Cubic millimetre	A cubic millimetre is the volume of a cube of side length one milliimetre (0.001 m)
MMT	Millimetre	A millimetre is one thousandth of a metre (0.001)
MON	Month	Unit of time equal to 1/12 of a year of 365,25 days
MPN	Most Probable Number	Most Probable Number: is a method of getting quantitative data on concentrations of discrete items from positive/negative (incidence) data..
MQH	Cubic Metre Per Hour	Cubic Metre Per Hour
MTK	Square metre	A square metre is an area of a square whose sides are exactly 1 metre in length.
MTQ	Cubic metre	A cubic metre is the volume of a cube of side length one metre.
MTR	Metre	The metre is the basic unit of length in the International System of Units (SI).
MWH	Megawatt hour (1000 kW.h)	A unit of energy defining the total amount of bulk energy transferred or consumed.
NIU	Number of International Units	A unit of count defining the number of international units. The International Unit is a unit of measurement for the amount of a substance, based on measured biological activity or effect. The unit is used for vitamins, hormones, some medications, vaccines, blood products, and similar biologically active substances
NU	Newton Metre	Newton Metre
ON	Ounces per square yard	The weight of one square yard of the material expressed in ounces. Commonly used to express the density or weight of all types of paper, paperboard, and fabric, e.g. 20 OZ or 20 Weight denim has an area density of 20 oz/yd^2. The term density here is used somewhat incorrectly, as density is mass by volume. More precisely, it is a measure of the area density, areal density, or surface density.
ONZ	Ounce	A unit of mass with several definitions, the most commonly used of which are equal to approximately 30 grams
OPM	Oscillations Per Minute	Oscillations Per Minute
OZA	Fluid ounce (US)	A fluid ounce (US) is equal to one sixteenth (1/16)

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		of a US pint or 29.5735295625 millilitres .
OZI	Fluid ounce (UK)	A fluid ounce (UK) is equal to one thirtieth (1/30) of a UK pint or 28.4130625 millilitres.
P1	Percent	A unit of proportion equal to 0.01.
PAL	Pascal	The pascal (symbol: Pa) is the SI derived unit of pressure, stress, Young's modulus and tensile strength. It is a measure of force per unit area, defined as one newton per square metre.
PD	Pad	A unit of count defining the number of pads (pad: block of paper sheets fastened together at one end).
PFU	Plaque Forming unit(s)	Plaque Forming unit(s)
PNT	Point	A single unit on a scale of measurement as part of an incentive program or pricing structure used as a means of making a quantitative evaluation.
PR	Pair	A unit of count defining the number of pairs (pair: item described by two's).
PRS	Potential Renal Solute Load	Potential Renal Solute Load
PS	Pound-force per square inch	The pound-force per square inch (symbol: psi or lbf/in2 or lbf/in2) is a unit of pressure or of stress based on avoirdupois units. It is the pressure resulting from a force of one pound-force applied to an area of one square inch. Other abbreviations are used that append a modifier to "psi". However, the US National Institute of Standards and Technology recommends that, to avoid confusion, any modifiers be instead applied to the quantity being measured rather than the unit of measure[1] For example, "Pg = 100 psi" rather than "P = 100 psig".
PTD	Dry Pint (US)	The United States dry pint is equal one eighth of a US dry gallon or one half US dry quarts. It is used in the United States but is not as common as the liquid pint.
PTI	Pint (UK)	A pint (UK) is equal to 1/8 Gallon (UK); used primarly as a measure for beer and cider when sold by the glass.
PTL	Liquid pint (US)	The US liquid pint is equal one eighth of a United States liquid gallon.
PTN	Portion:	Portion
Q30	pH (potential of Hydrogen)	The activity of the (solvated) hydrogen ion (a logarithmic measure used to state the acidity or alkalinity of a chemical solution).
Q32	Femtolitre	Femtolitre- Femtolitre is the metric unit of volume equal to one thousand trillionth (European) or one quadrillionth (American) litre. One femtolitre is the same as one cubic micrometre (µm3), , which can be represented numerically as 0.00000000000001/liter.

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Q33	Picolitre	Picoliter is the metric unit of volume equal to a trillionth (one millionth of a millionth) of a liter, which can be represented numerically as 0.000000000001/liter. just as the prefix nano denotes a billionth part
Q34	Nanolitre	Nanolitre is the metric unit of volume equal to one billionth of a litre, which can be represented numerically as 0.000000001/liter.
QB	Page - hardcopy	A unit of count defining the number of hardcopy pages (hardcopy page: a page rendered as printed or written output on paper, film, or other permanent medium).
QTD	Quart (US dry)	A US dry quart is equal to 1/32 of a US bushel, exactly 1.101220942715 litres.
QTL	Liquid quart (US)	A US liquid quart exactly equals 57.75 cubic inches, which is exactly equal to 0.946352946 litres.
RPM	Revolutions Per Minute	Revolutions Per Minute
SEC	Second (unit of time)	A second is a unit of time equal to 1/60th of an minute.
SET	Set	A unit of count defining the number of sets (set: a number of objects grouped together).
SMI	Mile (statute mile)	A statute mile of 5,280 feet (exactly 1,609.344 meters).
SQE	SQ-E	Number of allergens based on the SQ-E unit
STN	Ton (US) or short ton (UK)	Ton (US) = 2000 Lb or 907 Kg
SX	Shipment	A unit of count defining the number of shipments (shipment: an amount of goods shipped or transported).
TNE	Tonne	Metric ton = 1000 Kg
TPI	Teeth Per Inch	Teeth Per Inch
UA	Torr	Torr
U2	Tablet	A unit of count defining the number of tablets (tablet: a small flat or compressed solid object).
VLT	Volt	Volt
WEE	Week	A week is a time unit equal to seven days.
WHR	Watt hour	The watt-hour is a unit of energy equivalent to one watt of power expended for one hour of time; it is equal to 3.6 kilojoules. The watt-hour is rarely used to express energy in any form other than electrical.
WTT	Watt	A watt is a derived unit of power; one watt is equivalent to 1 joule (J) of energy per second.
X_CHD	Centisimal Hahnemannian Dilution	A count of attenuation steps or dilution levels representing the homeopathic potency of a

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	(CH)	substance using the Hahnemannian (CH) method of attenuation; commonly denoted as CH1, CH2, CH3, etc. Each centesimal attenuation step represents one part source material combined with 99 parts dilution medium; commonly denoted as C1, C2, C3, etc.
X_DBA	Decibar	Decibar
X_KVN	Korsakovian (K)	A count of attenuation steps or dilution levels representing the homeopathic potency of a substance using the Korsakovian (K) method of attenuation; commonly denoted as CK1, CK2, CK3, etc. Each centesimal attenuation step represents one part source material combined with 99 parts dilution medium; commonly denoted as C1, C2, C3, etc.
X_MLM	Millesimai (LM)	A count of attenuation steps or dilution levels representing the homeopathic potency of a substance where each attenuation step represents one part source material combined with 49,999 parts dilution medium; commonly denoted as LM1, LM2, LM3, etc.
X_MTC	Mother tincture (Dry material)	A count of a dry crud medical substance Mother tincture, when used for homeopathic preparations, are liquid preparations obtained by the solvent action of a suitable vehicle upon raw materials. The raw materials (medical substance) are usually in the fresh form but may be dried. Mother tinctures for homeopathic preparations may also be obtained from plant juices, with, or without the addition of a vehicle.
X_NGM	Nanogram	A nano gram is 10^{-9} gram or a billionth of a gram..
X_PPC	Pixel per centimetre	A unit of count defining the number of pixels per linear centimetre as a measurement of the resolution of devices in various contexts; typically computer displays, image scanners or digital camera image sensors.
X_PPI	Pixel per inch	A unit of count defining the number of pixels per linear inch (PPI) as a measurement of the resolution of devices in various contexts; typically computer displays, image scanners or digital camera image sensors.
X_SPS	Sample per second	A unit of count defining the number of samplings takes during a period of time
XRE	Retinol Equivalent (RE)	A unit used for quantifying the vitamin A value of sources of vitamin A, including both preformed retinoids and precursor carotenoids. Examples include: . One RE is equivalent to 1 mcg of retinol, 6 mcg of Beta-carotene, or 12 mcg of other pro-vitamin A carotenoids. . One RE is equivalent to 0.3 International Units of retinol or 0.1 International Units of Beta-carotene.

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YDK	Square Yard	A square yard is the area of a square with sides of one yard (three feet, thirty-six inches, 0.9144 metres) in length
YRD	Yard	A yard is It is equal to 3 feet or 36 inches or 0.9144 meter.

6.107. Mesh Material Code

GS1 Code List	MeshMaterialCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CPVC	Chlorinated polyvinyl chloride (CPVC) is a thermoplastic produced by chlorination of polyvinyl chloride (PVC) resin. Uses include hot and cold water pipe and industrial liquid handling.
PVC	Polyvinyl chloride, (IUPAC Polychloroethene) commonly abbreviated PVC, is a widely used thermoplastic polymer.
STAINLESS_STEEL	An iron carbon alloy with a minimum of 10.5% chromium content commonly called stainless steel.

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6.108. Mesh Size Code

GS1 Code List	MeshSizeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	The mesh contains 10 openings in one square inch of mesh or screen
2	The mesh contains 100 openings in one square inch of mesh or screen.
3	The mesh contains 12 openings in one square inch of mesh or screen.
4	The mesh contains 20 openings in one square inch of mesh or screen.
5	The mesh contains 24 openings in one square inch of mesh or screen.
6	The mesh contains 30 openings in one square inch of mesh or screen.
7	The mesh contains 40 openings in one square inch of mesh or screen.
8	The mesh contains 50 openings in one square inch of mesh or screen.
9	The mesh contains 60 openings in one square inch of mesh or screen.
10	The mesh contains 80 openings in one square inch of mesh or screen.
11	The mesh contains holes or openings which measure 1/8 of an inch (3.17500 millimeters)
12	The mesh contains holes or openings which measure 1/4 of an inch (6.35 millimeters).
13	The mesh contains holes or openings which measure 1/16 of an inch (1.5875 millimeters)
14	The mesh contains holes or openings which measure 1/32 of an inch (0.79375 millimeters)
15	The mesh contains holes or openings which measure 3/16 of an inch (4.7625 millimeters).
16	The mesh contains holes or openings which measure 3/64 of an inch (1.190625 millimeters)
17	The mesh is a piece of solid material with holes of various sizes or random patterns.

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6.109. Microbiological Organism Code

GS1 Code List	MicrobiologicalOrganismCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AEROBE_MESOPHILES_COLONIES	To indicate the number of colonies of aerobe mesophiles. Aerobe: an organism that grows in the presence of oxygen. There may be facultative or obligate aerobes. Mesophile: organism living in the temperature range around that of warm-blooded animals, usually between 20-45°C.
AEROBE_MESOPHILES_MICROBIAL_COUNT	To indicate the bicobial count of aerobe mesophiles determined according to local target market regulations. Aerobe: an organism that grows in the presence of oxygen. There may be facultative or obligate aerobes. Mesophile: organism living in the temperature range around that of warm-blooded animals, usually between 20-45°C.
BACILLUS_CEREUS	To indicate the value of bacillus cereus
BACILLUS_SUBTILIS	Bacillus subtilis (also known as the hay bacillus or grass bacillus) is a Gram-positive, catalase-positive bacterium, found in soil and the gastrointestinal tract of ruminants and humans.
BIOBURDEN_MICROBIAL_COUNT	To indicate the total microbial count of bioburden. Bioburden: Degree of microbial contamination or microbial load; the number of microorganisms contaminating an object.
CAMPYLOBACTOR	To indicate the value of campylobactor
CLOSTRIDIUM_PERFRINGENS	To indicate the value of clostridium perfringens
COLIFORMS_AT_30_DEGREES_C	To indicate the value of coliforms at 30_c
COLIFORM_BACTERIA_AT_35_DEGREES_C	To indicate the value of coliform bacteria. Coliform: Gram-negative, nonsporing, facultative rods that ferment lactose with gas formation within 48 hours at 35 °C. Examples of coliform bacteria are members in the genera Escherichia (e.g. E. coli), Klebsiella (e.g. K. pneumoniae), Enterobacter (e.g. E. cloacai), and Citrobacter (e.g. C. freundii). Bacteria: bacterium (plural bacteria) See prokaryote. Prokaryote: A cell or organism lacking a unit membrane-bound (true) nucleus and other organelles, usually having its DNA in a single circular molecule.
COLIFORM_GERMS_AT_35_DEGREES_C	To indicate the value of coliform germs. Coliform: Gram-negative, nonsporing, facultative rods that ferment lactose with gas formation within 48 hours at 35 °C. Examples of coliform bacteria are members in the genera Escherichia (e.g. E. coli), Klebsiella (e.g. K. pneumoniae), Enterobacter (e.g. E. cloacai), and Citrobacter (e.g. C. freundii).
COLIFORMS_AT_44_DEGREES_C	To indicate the value of coliforms at 44_c or faecal coliforms
ENTEROBACTERIA	To indicate the value of enterobacteria

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ENTEROCOCCACEA	Indication of the value of enterococcacea. The Enterococcaceae is a family of Gram-positive bacteria, placed within the order of Lactobacillales. Representative genera include Atopobacter, Enterococcus, Melissococcus, Pilibacter, Tetragenococcus, and Vagococcus. In this familiy are some important lactic acid bacterias (LAB) which produce lactic acid as the major metabolic end product.
ESCHERICHIA_COLI	To indicate the value of escherichia coli
ESCHERICHIA_COLI_O157_H7	To indicate the value of escherichia coli o157:h7
FAECAL_STREPTOCOCCI	To indicate the value of faecal_streptococci
FUNGI	To indicate the value of Fungi
HAEMOLYTIC_STREPTOCOCCI	To indicate the value of haemolytic streptococci
HAFNIA_ALVEI	To indicate the value of hafnia alvei
LISTERIA_MONOCYTOGENES	To indicate the value of listeria monocytogenes
MESOPHILIC_AEROBES	To indicate the value of mesophilic aerobes
MESOPHILIC_ANAEROBES	To indicate the value of mesophilic anaerobes
MILK_ACID	To indicate the value of milk-acid
MOULDS	To indicate the value of moulds
PATHOGENEN	To indicate the value of Pathogenen
POSITIVE_COAGULASE_STAPHYLOCOCCI	To indicate the value of positive coagulase staphylococci
PRESUMPTIVE_BACILLUS_CEREUS	Indication of the value of Presumptive Bacillus cereus. Presumptive *Bacillus cereus:* Members of Bacillur species that do not ferment mannitol, usually produce lecithinase, and exhibit ß-haemolysis on blood agar.
PSEUDOMONAS	To indicate the value of pseudomonas
SALMONELLA	To indicate the value of Salmonella mesophilic aerobes
SHIGELLA	Indication of the value of Shigella. Shigella: Shigella is a genus of Gram-negative, non-spore forming rod-shaped bacteria closely related to Escherichia coli and Salmonella. Shigella is a genus of bacteria that are a major cause of diarrhea and dysentery – diarrhea with blood and mucus in the stools – throughout the world. The bacteria are transmitted by ingestion of contaminated food or water, or through person-to-person contact. In the body, they can invade and destroy the cells lining the large intestine, causing mucosal ulceration and bloody diarrhea.
STAPHYLOCOCCUS_AUREUS	To indicate the value of staphylococcus aureus
STAPHYLOCOCCUS_ENTEROTOXIN	To indicate the value of staphylococcus enterotoxin
SULPHITE_REDUCER_ANAEROBES_AT_46_DEGREES_C	To indicate the value of sulphite-reducer anaerobes 46_c
SULPHITE_REDUCER_CLOSTRIDIUM_AT_46_DEGREES_C	To indicate the value of sulphite-reducer clostridium 46_c

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SULPHITE_REDUCING_CLOSTRIDA_SPORES	Indication of spores of sulphite reducing clostrida. Sulphite reducing clostrida: Anaerobic, spore-forming organisms, of which the most characteristics, Clostridium perfringens (C. welchii), is normally present in faeces, although in much smaller numbers then E. coli.
THERMOPHILIC_AEROBES	To indicate the value of thermophilic aerobes
THERMOPHILIC_ANAEROBES	To indicate the value of thermophilic anaerobes
VIBRIO_CHOLERAE	To indicate the value of vibriocholerae
VIBRIO_PARAHAEMOLYTICUS	To indicate the value of vibrio parahaemolyticus
YEASTS	To indicate the value of yeasts

6.110. MRI Compatibility Code

GS1 Code List	**MRICompatibilityCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
MRI_COMPATIBLE	Indicates that a healthcare trade item is safe to use in the presence of a Magnetic Resonance Imaging (MRI) System
MRI_SAFE	Indicates that the healthcare trade item is safe to use within a Magnetic Resonance Imaging (MRI) system.
MRI_UNSAFE	Indicates that a healthcare trade item is not safe to use in an MRI system.
UNSPECIFIED	The manufacturer of the Trade Item has not communicated information on the compatibility of this trade item with a Magnetic Resonance Imaging (MRI) System.

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6.111. Multipicture Display Capability TypeCode

GS1 Code List	MultipictureDisplayCapabilityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
PICTURE_AND_TEXT	Picture and Text: used in the UK. Teletext services with second source in the corner.
PICTURE_AND_PICTURE	Picture and Picture: split screen of the same size picture, would be the same as picture-in-picture
PICTURE_IN_PICTURE	Picture in Picture: full screen with second source in the corner.

6.112. Nesting Direction Code

GS1 Code List	NestingDirectionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
HORIZONTAL	A nesting arrangement where the items hang against each other, like spatulas on a long hanging peg.
VERTICAL	A nesting arrangement where the items stack on top of each other, like bowls.

6.113. Nesting Type Code

GS1 Code List	NestingTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
NEGATIVE	A nesting arrangement where higher items fit partially inside and are partially obscured by lower ones for example bowls.
POSITIVE	A nesting arrangement where the higher item fits over and partially obscures the lower one for example sports caps.

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6.114. Nutrient Basis Quantity Type Code

GS1 Code List	NutrientBasisQuantityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BY_MEASURE	Nutrient measurement is based on a measurement value for example grams or ounces.
BY_SERVING	Nutrient measurement is based on a specified serving amount.

6.115. Nutritional Claim Type Code

GS1 Code List	NutritionalClaimTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ADDED	A claim stating that a substance (e.g. sugar) has been added to a food.
CONTAINS	A claim that a food contains the ingredient/nutrition/etc specified in the nutritionalClaimNutrientElementCode. Note the amount that determines containment or lack of containment is based on target market regulations.
ENRICHED_WITH	A claim that a food is enriched or fortified with the substance in the nutritionalClaimNutrientElementCode. Note the amount that determines enrichment is based on target market regulations.
FREE_FROM	A claim that a food is free from specific ingredient/nutrition/etc.in the nutritionalClaimNutrientElementCode. Note the amount that determines containment or lack of containment is based on target market regulations.
GUARANTEED_FREE_FROM	A claim that a food is regularly analysed to guarantee that the product is free from the substance in the nutritionalClaimNutrientElementCode.
GUARANTEED_SOURCE_OF	A claim that a food is regularly analysed to guarantee that the product contains the substance in the nutritionalClaimNutrientElementCode.
HIGH	A claim that a food is high in specific ingredient/nutrition/etc. and any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment or lack of containment is based on target market regulations. In the case of foods naturally high in specific ingredient/nutrition/etc., the term "naturally" may be used as a prefix to this claim.
INCREASED	A claim that a food is increased specific ingredient/nutrition/etc. and any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment or lack of containment is based on target market regulations. In the case of foods naturally increased amount specific ingredient/nutrition/etc.in the nutritionalClaimNutrientElementCode, the term "naturally" may be used as a prefix to this claim.

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LIGHT_LITE	A claim stating that a product is "light" or "lite", and any claim likely to have the same meaning for the consumer, shall follow the same conditions as those set for the term "reduced"; the claim shall also be accompanied by an indication of the characteristic(s) which make the food "light" or "lite".
LOW	A claim that a food is low in specific ingredient/nutrition/etc in the nutritionalClaimNutrientElementCode. Any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment or lack of containment is based on target market regulations.
MADE_WITH	A claim that a food is made with specific ingredient/nutrition/etc. and any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment is based on target market regulations.
NATURAL	A claim that a food product does not contain synthetic or artificial ingredients. Note the definition of natural is based on target market regulations.
NATURAL_SOURCE_OF	A claim that a food is a natural source of the substance in the nutritionalClaimNutrientElementCode. Note the amount that determines if the product is a significant source of a given substance is based on target market regulations.
NO_ADDED	A claim that the manufacturer has not added the substance in the nutritionalClaimNutrientElementCode.
NON_ALCOHOLIC	A claim that a food contains no alcohol. Note the amount that determines containment or lack of containment is based on target market regulations.
REDUCED_LESS	A claim that a food has a reduced amount of the substance in the nutritionalClaimNutrientElementCode. Note the amount that determines a reduced amount is based on target market regulations.
SOURCE_OF	A claim that a food is a source of the substance in the nutritionalClaimNutrientElementCode . Note the amount that determines containment is based on target market regulations.
SWEETENED_WITH	A claim that a food is sweetened with a specific ingredient/nutrition/etc. and any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment or lack of containment is based on target market regulations.
UNSWEETENED	Without sugar or a similar substance having been added
VERY_LOW	A claim that a food is very low in specific ingredient/nutrition/etc in the nutritionalClaimNutrientElementCode Any claim likely to have the same meaning for the consumer, may only be made where the product contains the amount that determines containment or lack of containment is based on target market regulations.

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6.116. Nutritional Claim Nutrient Element Code

GS1 Code List	NutritionalClaimNutrientElementCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
ALMONDS	The almond is a species of tree native to the Middle East and South Asia. "Almond" is also the name of the edible and widely cultivated seed of this tree. Within the genus Prunus, it is classified with the peach in the subgenus Amygdalus, distinguished from the other subgenera by the corrugated shell (endocarp) surrounding the seed. The fruit of the almond is a drupe, consisting of an outer hull and a hard shell with the seed (which is not a true nut) inside.
ADDITIVES	Substances added to foods to prevent spoilage, improve appearance, enhance flavor or texture, or increase nutritional value.
AGAVE_SYRUP	Syrup from the Agave plant.
ALCOHOL	Alcohol
ANTIOXIDANTS	Antioxidants are defined as substances which inhibit oxidation. Oxidation reactions or oxidative stress can damage or kill cells, and are thought to play an important part in many human diseases.
ARTIFICIAL_FLAVOUR	Artificial flavours are defined as flavours formed by chemical synthesis and not identical to substances found in nature.
ARTIFICIAL_SWEETENERS	Artificial sweeteners are sugar substitutes that are synthetic.
BIOTIN	Biotin
BARLEY	Barley a hardy cereal that has coarse bristles extending from the ears. It is widely cultivated, chiefly for use in brewing and stock feed. The grain of the barley plant.
BRAZIL_NUTS	The Brazil nut (Bertholletia excelsa) is a South American tree in the family Lecythidaceae, and also the name of the tree's commercially harvested edible seed. Order[edit]. The Brazil nut family is in the order Ericales, as are other well-known plants such as blueberries, cranberries, sapote, gutta-percha, tea, gooseberries, phlox, and persimmons.
CALCIUM	Calcium
CALORIE	Calories.
CANE_SUGAR	Sugar from sugar cane.
CASHEWS	The cashew nut is served as a snack or used in recipes, like other nuts, although it is actually a seed. The cashew apple is a fruit, whose pulp can be processed into a sweet, astringent fruit drink or distilled into liqueur. The shell of the cashew nut yield derivatives that can be used in many applications from lubricants to paints, and other parts of the tree have traditionally been used for snake-bites and other folk remedies.
CHLORIDE	Chloride
CHOLESTEROL	Cholesterol
CHROMIUM	Chromium
COLOURING_AGENTS	Natural or synthetic dyes used as coloring agents in processed foods.
COPPER	Copper
CORN_SYRUP	Corn syrup.
CRUSTACEAN	The crustacean is an arthropod of the large, mainly aquatic group Crustacea, such as a crab, lobster, shrimp, or barnacle.
DAIRY	Milk or milk products including ingredients, processing aids and additives.
EGGS	Eggs
ENERGY	Energy
FAT	Fat

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FIBRE	The undigestible material in the fruits, vegetables and whole grains.
FLUORIDE	Fluoride
FOLIC_ACID	Folic Acid
FRUCTOSE	Fructose.
FRUIT_JUICE	Fruit juice.
FRUIT_SYRUP	A syrup made from fruit and other ingredients such as sugar, corn syrup and water.
GLUTEN	Gluten.
GLYZYRRHIZIN	Glyzyrrhizin
HAZELNUTS	A hazelnut is the nut of the hazel and is also known as cobnut or filbert nut according to species. A cob is roughly spherical to oval, about 15–25 mm long and 10–15 mm in diameter, with an outer fibrous husk surrounding a smooth shell. A filbert is more elongated, being about twice as long as it is round. The nut falls out of the husk when ripe, about seven to eight months after pollination. The kernel of the seed is edible and used raw or roasted, or ground into a paste. Hazelnuts are also used for livestock feed, as are chestnuts and acorns. The seed has a thin, dark brown skin, which is sometimes removed before cooking.
HONEY	Honey
IODINE	Iodine
IRON	Iron
LACTOSE	Lactose.
LIQUORICE	Liquorice
MACADAMIA	Macadamia is a genus of four species of trees indigenous to Australia and constituting part of the plant family Proteaceae.[1][2] They grow naturally in north eastern New South Wales and central and south eastern Queensland. Common names include macadamia, macadamia nut, Queensland nut, bush nut, maroochi nut, queen of nuts and bauple nut; and from Indigenous Australians' languages bauple, gyndl, jindilli, and boombera. Previously, more species, with disjunct distributions, were named as members of this genus Macadamia.
MAGNESIUM	Magnesium
MALT	Malt
MANGANESE	Manganese
MILK	Milk
MILK_PROTEIN	Milk proteins.
MOLLUSCS	The mollusc is an invertebrate of a large phylum that includes snails, slugs, mussels, and octopuses. They have a soft, unsegmented body and live in aquatic or damp habitats, and most kinds have an external calcareous shell.
MOLYBDENUM	Molybdenum
MONO_UNSATURATED_FAT	Monounsaturated Fat
MULTIGRAIN	More than one type of grain. Could be several whole grains, several refined grains or a combination of both.
MUSTARD	Mustard is a pungent-tasting yellow or brown paste made from the crushed seeds of certain plants, typically eaten with meat or used as a cooking ingredient. The yellow-flowered Eurasian plant of the cabbage family whose seeds are used to make this paste.
NATURALLY_OCCURING_SUGARS	Naturally Occuring Sugars
NIACIN	Niacin
NUTS	Nuts
OAT	The oat is a cereal plant cultivated chiefly in cool climates and widely used for animal feed as well as human consumption. The grain yielded by this, used as food.
OMEGA_3_FATTY_ACIDS	Omega-3 Fatty Acids
PANTOTHENIC_ACID	Pantothenic Acid
PEANUTS	Peanuts
PECANS	A species of hickory, native to south-central North America, in Mexico from Coahuila south to Jalisco and Veracruz,[1][2] in the United States in Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Kansas,

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	Kentucky, Louisiana, Mississippi, Missouri, Oklahoma, South Carolina, Tennessee, and Texas.
PHOSPHORUS	Phosphorus
PINENUTS	The edible seed of various pine trees.
PISTACHIOS	The pistachio is the edible pale green seed of an Asian tree. The pistachio is the evergreen tree of the cashew family that produces this nut, with small brownish-green flowers and reddish wrinkled fruit borne in heavy clusters. It is widely cultivated, especially in the US and around the Mediterranean.
PLANT_STEROLS	Plant sterols are defined as cholesterol-like substances that occur naturally at low levels in many fruits, vegetables, nuts and cereals. Plant sterols can help to improve cholesterol levels.
POLYUNSATURATED_FAT	Polyunsaturated Fat
POTASSIUM	Potassium
PRESERVATIVES	A preservative is a natural or synthetic substance or chemical that is added to products to prevent decomposition by microbial growth or by undesirable chemical changes.
PROBIOTICS	Probiotics.
PROTEIN	Protein
RAW_BEET_SUGAR	Raw sugar derived from the sugar beet.
RIBOFLAVIN	Riboflavin
RYE	A wheat like cereal plant that tolerates poor soils and low temperatures.
SATURATED_FAT	Saturated Fat
SELENIUM	Selenium
SESAME	The edible seeds of the sesame plant, which are used whole or have the oil extracted.
SODIUM_SALT	Sodium or salt.
SOY	Soy
SUGARS	Includes sugars that are present naturally in the food such as lactose in milk and fructose in fruit, sucrose in fruits and vegetables, as well as sugars added to the food during processing, such as sugar / sucrose, corn syrup, honey, high fructose corn syrup, fruit juice concentrates and dextrose."
SWEETENERS	Any substance that sweetens such as sugar or a low-calorie synthetic product used instead of sugar.
THIAMIN	Thiamin
TRANS_FAT	Trans fatty acids
TREE_NUTS	Tree nuts include, but are not limited to, walnut, almond, hazelnut, cashew, pistachio, and Brazil nuts.
TRITICALE	Triticale is a hybrid grain produced by crossing wheat and rye, grown as a fodder crop.
UNSATURATED_FAT	Unsaturated Fat
VITAMIN_A	Vitamin A
VITAMIN_B12	Vitamin B12
VITAMIN_B6	Vitamin B6
VITAMIN_C	Vitamin C
VITAMIN_D	Vitamin D
VITAMIN_E	Vitamin E
VITAMIN_K	Vitamin K
VITAMINS_AND_OR_MINERALS	Vitamins and/or minerals.
WALNUTS	A large wrinkled edible seed of a deciduous tree, consisting of two halves contained within a hard shell that is enclosed in a green fruit.
WHEAT	Wheat
WHITE_SUGAR	White or granulated sugar is refined sugar (pure white crystalline sucrose) ground to granules or grains.
WHOLE_GRAIN	The intact grain or the dehulled, ground, milled, cracked or flaked grain where the constituents – endosperm, germ and bran – are present in such proportions that represent the typical ratio of those fractions occurring in the whole cereal.
WHOLE_WHEAT	Whole wheat refers to wheat which contains all constituents of the wheat grain.

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YEAST	A microscopic fungus consisting of single oval cells that reproduce by budding, and capable of converting sugar into alcohol and carbon dioxide.
ZINC	Zinc

6.117. Nutritional Label Type Code

GS1 Code List	NutritionalLabelTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	The USDA Child Nutrition (CN) Labelling Program provides food manufacturers the option to include a standardised food crediting statement on their product label. Labels must be approved by USDA, FNS prior to use and manufacturers must have quality control procedures and inspection oversight that meet the FNS requirements. Products produced in accordance with the CN Labelling Program are generally purchased by foodservice providers for FNS meal programs.

6.118. Nutritional Program Code

GS1 Code List	NutritionalProgramCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	5 a day. A program designed to encourage the consumption of at least five portions of fruit and vegetables per day,

6.119. ONIX Audience Code Value Code

GS1 Code List	ONIXAudienceCodeValueCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	n/a	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	General/trade	For a non-specialist adult audience
02	Children/juvenile	For a juvenile audience, not specifically for any educational purpose
03	Young adult	For a teenage audience, not specifically for any educational purpose
04	Primary and	Kindergarten, pre-school, primary/elementary or secondary/high school education

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	secondary/elementary and high school	
05	College/higher education	For universities and colleges of further and higher education
06	Professional and scholarly	For an expert adult audience, including academic research
07	ELT/ESL	Intended for use in teaching English as a second language
08	Adult Education	For centres providing academic, vocational or recreational courses for adults

6.120. ONIX Audience Precision Code

GS1 Code List	ONIXAudiencePrecisionCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 31	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Exact	Not Available
02	From	Not Available
03	To	Not Available

6.121. ONIX Audience Type Code List Code

GS1 Code List	ONIXAudienceTypeCodeListCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 29	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	ONIX audience codes	Using List 28
02	Proprietary	Not Available
03	MPAA rating	Motion Picture Association of America rating applied to movies
04	BBFC rating	British Board of Film Classification rating applied to movies
05	FSK rating	German FSK (Freiwillige Selbstkontrolle der Filmwirtschaft) rating applied to movies
06	BTLF audience code	French Canadian audience code list, used by BTLF for Memento
07	Electre audience code	Audience code used by Electre (France)
08	ANELE Tipo Spain	educational audience and material type code of the Asociación Nacional de Editores de Libros y Material de Enseñanza
09	AVI	Code list used to specify reading levels for

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		children's books, used in Flanders, and formerly in the Netherlands - see also code 18
10	USK rating	German USK (Unterhaltungssoftware Selbstkontrolle) rating applied to video or computer games
11	AWS	Audience code used in Flanders
12	Schulform Type of school	codelist maintained by VdS Bildungsmedien eV, the German association of educational media publishers
13	Bundesland School region	codelist maintained by VdS Bildungsmedien eV, the German association of educational media publishers, indicating where products are licensed to be used in schools
14	Ausbildungsberuf Occupation	codelist for vocational training materials, maintained by VdS Bildungsmedien eV, the German association of educational media publishers
15	Suomalainen kouluasteluokitus	Finnish school or college level
16	CBG age guidance	UK Publishers Association, Children's Book Group, coded indication of intended reader age, carried on book covers
17	Nielsen Book audience code	Audience code used in Nielsen Book Services
18	AVI (revised)	Code list used to specify reading levels for children's books, used in the Netherlands - see also code 09
19	Lexile measure	Lexile measure (the measure in may optionally be prefixed by the Lexile code). Examples might be '880L', 'AD0L' or 'HL600L'

6.122. ONIX Audience Range Qualifier Code

GS1 Code List	ONIXAudienceRangeQualifierCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 30	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
11	US school grade range	Values for are specified in List 77
12	UK school grade	Values are defined by BIC for England and Wales, Scotland and N Ireland
15	Reading speed words per minute	Values in must be integers
16	Interest age months	For use up to 30 months only: values in must be integers
17	Interest age years	Values in must be integers
18	Reading age years	Values in must be integers

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19	Spanish school grade Spain	combined grade and region code, maintained by the Ministerio de Educación
20	Skoletrinn	Norwegian educational grades (4704)
21	Nivå	Swedish educational qualifier (code)
22	Italian school grade	Not Available
23	Schulform	DEPRECATED - assigned in error: see List 29
24	Bundesland	DEPRECATED - assigned in error: see List 29
25	Ausbildungsberuf	DEPRECATED - assigned in error: see List 29
26	Canadian school grade range	Values for are specified in List 77
27	Finnish school grade range	Not Available
28	Finnish Upper secondary school course	Lukion kurssi

6.123. ONIX Content Date Role Type Code

GS1 Code List		ONIXContentDateRoleTypeCode
GS1 Code List Version		R1
Managing Agency		ONIX
Based on Code List		n/a
Type Of Management		External
Code Value	**Code Name**	**Code Definition**
01	Publication Date	Nominal date of publication
04	Broadcast Date	Date when a TV or radio program was / will be broadcast
14	From Date	Date from which a content item or supporting resource may be referenced or used
15	Until Date	Date until which a content item or supporting resource may be referenced or used
17	Last Updated	Date when a resource was last changed or updated

6.124. ONIX Contributor Place Type Code

GS1 Code List		ONIXContributorPlaceTypeCode
GS1 Code List Version		R1
Managing Agency		ONIX
Based on Code List		n/a
Type Of Management		External
Code Value	**Code Name**	**Code Definition**
01	Born in	Born in
02	Died in	Died in
03	Resided in	Resided in
04	Currently	Currently resides in

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	resides in	
05	Educated in	Educated in
06	Worked in	Worked in
07	Flourished in	Flourished in

6.125. ONIX Contributor Role Code

GS1 Code List		ONIXContributorRoleCode
GS1 Code List Version		R1
Managing Agency		ONIX
Based on Code List		n/a
Type Of Management		External
Code Value	**Code Name**	**Code Definition**
A01	By (author)	Author of a textual work
A02	With	With or as told to: 'ghost' author of a literary work
A03	Screenplay by	Writer of screenplay or script (film or video)
A04	Libretto by	Writer of libretto (opera): see also A31
A05	Lyrics by	Author of lyrics (song): see also A31
A06	By (composer)	Composer of music
A07	By (artist)	Visual artist when named as the primary creator of, eg, a book of reproductions of artworks
A08	By (Photographer)	Photographer when named as the primary creator of, eg, a book of photographs)
A09	Created by	Not Available
A10	Form an idea by	Not Available
A11	Designed by	Not Available
A12	Illustrated by	Artist when named as the creator of artwork which illustrates a text, or of the artwork of a graphic novel or comic book
A13	Photographs by	Photographer when named as the creator of photographs which illustrate a text
A14	Text by	Author of text which accompanies art reproductions or photographs, or which is part of a graphic novel or comic book
A15	Preface by	Author of preface
A16	Prologue by	Author of prologue
A17	Summary by	Author of summary
A18	Supplement by	Author of supplement
A19	Afterword by	Author of afterword
A20	Notes by	Author of notes or annotations: see also A29
A21	Commentaries by	Author of commentaries on the main text
A22	Epilogue by	Author of epilogue
A23	Foreword by	Author of foreword
A24	Introduction by	Author of introduction: see also A29

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A25	Footnotes by	Author/compiler of footnotes
A26	Memoir by	Author of memoir accompanying main text
A27	Experiments by	Person who carried out experiments reported in the text
A29	Introduction and notes by	Author of introduction and notes: see also A20 and A24
A30	Software written by	Writer of computer programs ancillary to the text
A31	Book and lyrics by	Author of the textual content of a musical drama: see also A04 and A05
A32	Contributions by	Author of additional contributions to the text
A33	Appendix by	Author of appendix
A34	Index by	Compiler of index
A35	Drawings by	Not Available
A36	Cover design or artwork by	Use also for the cover artist of a graphic novel or comic book if named separately
A37	Preliminary work by	Responsible for preliminary work on which the work is based
A38	Original author	Author of the first edition (usually of a standard work) who is not an author of the current edition
A39	Maps by	Maps drawn or otherwise contributed by
A40	Inked or colored by	When separate persons are named as having respectively drawn and colored artwork, eg for a graphic novel or comic book, use A12 for 'drawn by' and A40 for 'colored by'
A41	Pop-ups by	Designer of pop-ups in a pop-up book, who may be different from the illustrator
A42	Coninued by	Use where a standard work is being continued by somebody other than the original author
A43	Interviewer	Not Available
A44	Interviewee	Not Available
A99	Other primary creator	Other type of primary creator not specified above
B01	Edited by	Not Available
B02	Revised by	Not Available
B03	Retold by:	Not Available
B04	Abridged by:	Not Available
B05	Adapted by:	Not Available
B06	Translated by:	Not Available
B07	As told by:	Not Available
B08	Translated with commentary by	This code applies where a translator has provided a commentary on issues relating to the translation. If the translator has also provided a commentary on the work itself, codes B06 and A21 should be used.
B09	Series edited by	Name of a series editor when the product belongs to a series
B10	Edited and translated by	Not Available
B11	Editor-in-chief	Not Available
B12	Guest editor	Not Available
B13	Volume editor	Not Available
B14	Editorial board member	Not Available

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B15	Editorial coordination by	Not Available
B16	Managing editor	Not Available
B17	Founded by	Usually the founder editor of a serial publication: Begruendet von
B18	Prepared for publication by	Not Available
B19	Associate editor	Not Available
B20	Consultant editor	Use also for 'advisory editor'
B21	General editor:	Not Available
B22	Dramatized by:	Not Available
B23	General rapporteur	In Europe, an expert editor who takes responsibility for the legal content of a collaborative law volume
B24	Literary editor	An editor who is responsible for establishing the text used in an edition of a literary work, where this is recognised as a distinctive role (in Spain, 'editor literario')
B25	Arranged by (music):	Not Available
B99	Other adaptation by	Other type of adaptation or editing not specified above
C01	Compiled by:	Not Available
C02	Selected by:	Not Available
C99	Other compilation by	Other type of compilation not specified above
D01	Producer	Not Available
D02	Director	Not Available
D03	Conductor	Conductor of a musical performance
D99	Other direction by	Other type of direction not specified above
E01	Actor	Not Available
E02	Dancer	Not Available
E03	Narrator	Not Available
E04	Commentator	Not Available
E05	Vocal soloist	Singer etc
E06	Instrumental soloist	Not Available
E07	Read by	Reader of recorded text, as in an audiobook
E08	Performed by (orchestra, band, ensemble)	Name of a musical group in a performing role
E99	Performed by	Other type of performer not specified above: use for a recorded performance which does not fit a category above, eg a performance by a stand-up comedian.
F01	Filmed/photographed by	Not Available
F99	Other recording by	Other type of recording not specified above
Z01	Assisted by	May be associated with any contributor role, and placement should therefore be controlled by contributor sequence numbering
Z99	Other	Other creative responsibility not falling within A to F above

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6.126. ONIX Date Type Code

GS1 Code List	ONIXDateTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 55	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
00	YYYYMMDD	Year month day (default)
01	YYYYMM	Year and month
02	YYYYWW	Year and week number
03	YYYYQ	Year and quarter (Q = 1, 2, 3, 4)
04	YYYYS	Year and season (S = 1, 2, 3, 4, with 1 = 'Spring')
05	YYYY	Year
06	YYYYMMDDYYYYMMDD	Spread of exact dates
07	YYYYMMYYYYMM	Spread of months
08	YYYYWWYYYYWW	Spread of week numbers
09	YYYYQYYYYQ	Spread of quarters
10	YYYYSYYYYS	Spread of seasons
11	YYYYYYYY	Spread of years
12	Text string	For complex, approximate or uncertain dates
20	YYYYMMDD	Year month day (Hijri calendar)
21	YYYYMM	Year and month (Hijri calendar)
25	YYYY	Year (Hijri calendar)
32	Text string	For complex, approximate or uncertain dates (Hijri calendar), text would be in Arabic script

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6.127. ONIX Edition Type Code

GS1 Code List	ONIXEditionTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 21	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
ABR	Abridged	Content has been shortened: use for abridged, shortened, concise, condensed.
ADP	Adapted	Content has been adapted to serve a different purpose or audience, or from one medium to another: use for dramatization, novelization etc. Use to describe the exact nature of the adaptation.
ALT	Alternate	Do not use. This code is now DEPRECATED, but is retained in the list for reasons of backwards compatibility.
ANN	Annotated	Content is augmented by the addition of notes
BLL	Bilingual edition	Both languages should be specified in the 'Language' group. Use MLL for an edition in more than two languages.
BRL	Braille	Braille edition
CMB	Combined volume	An edition in which two or more works also published separately are combined in a single volume; AKA 'omnibus' edition.
CRI	Critical	Content includes critical commentary on the text
CSP	Coursepack	Content was compiled for a specified educational course.
DGO	Digital original	A digital product which has no print counterpart and is not expected to have a print counterpart.
ENH	Enhanced	Use for e-publications that have been enhanced with additional text, speech, other audio, video, interactive or other content.
ENL	Enlarged	Content has been enlarged or expanded from that of a previous edition.
EXP	Expurgated	'Offensive' content has been removed
FAC	Facsimile	Exact reproduction of the content and format of a previous edition.
FST	Festschrift	A collection of writings published in honor of a person, an institution or a society.
ILL	Illustrated	Content includes extensive illustrations which are not part of other editions
LTE	Large type / large print	Large print edition, print sizes 14 to 19 pt - see also ULP
MCP	Microprint	A printed edition in a type size too small to be read without a magnifying glass
MDT	Media tie-in	An edition published to coincide with the release of a film, TV program, or electronic game based on the same work. Use to describe the exact nature of the tie-in.
MLL	Multilingual edition	All languages should be specified in the 'Language' group. Use BLL for a bilingual edition.
NED	New edition	Where no other information is given, or no other coded type is applicable

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NUM	Edition with numbered copies	A limited edition in which each copy is individually numbered
PRB	Prebound edition	In the US, a book that was previously bound, normally as a paperback, and has been rebound with a library-quality hardcover binding by a supplier other than the original publisher. See also the and composites
REV	Revised	Content has been revised from that of a previous edition.
SCH	School edition	An edition intended specifically for use in schools.
SMP	Simplified language edition	An edition that uses simplified language (Finnish 'Selkokirja')
SPE	Special edition	Use for anniversary, collectors', de luxe, gift, limited, numbered, autographed edition. Use to describe the exact nature of the special edition.
STU	Student edition	Where a text is available in both student and teacher's editions.
TCH	Teacher’s edition	Where a text is available in both student and teacher's editions; use also for instructor's or leader's editions.
UBR	Unabridged	Where a title has also been published in an abridged edition; also for audiobooks, regardless of whether an abridged audio version also exists.
ULP	Ultra large print	For print sizes 20pt and above, and with typefaces designed for the visually impaired - see also LTE
UXP	Unexpurgated	Content previously considered 'offensive' has been restored
VAR	Variorum	Content includes notes by various commentators, and/or includes and compares several variant texts of the same work.

6.128. ONIX Epub Technical Protection Type Code

GS1 Code List	**ONIXEpubTechnicalProtectionTypeCode**	
GS1 Code List Version	**R1**	
Managing Agency	**ONIX**	
Based on Code List	**ONIX List 144**	
Type Of Management	**External**	
Code Value	**Code Name**	**Code Definition**
00	None	Has no technical protection
01	DRM	Has DRM protection
02	Digital watermarking	Has digital watermarking
03	Adobe DRM	Has DRM protection applied by the Adobe CS4 Content Server Package or by the Adobe ADEPT hosted service
04	Apple DRM	FairPlay' DRM protection applied via Apple proprietary online store
05	OMA DRM	Has OMA v2 DRM protection applied, as used to protect some mobile phone content

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6.129. ONIX Extent Type Code

GS1 Code List	ONIXExtentTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 23	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
00	Main content page count	The highest-numbered page in a single numbered sequence of main content, usually the highest Arabic-numbered page in a book; or, for books without page numbers or (rarely) with multiple numbered sequences of main content, the total number of pages that carry the main content of the book. This is the preferred page count for most books for the general reader. For books with substantial front and/or back matter, include also Front matter and Back matter page counts, or Total numbered pages.
02	Number of words	Number of words of natural language text
03	Front matter page count	The total number of numbered (usually Roman-numbered) pages that precede the main content of a book. This usually consists of an introduction, preface, foreword, etc.
04	Back matter page count	The total number of numbered (usually Roman-numbered) pages that follow the main content of a book. This usually consists of an afterword, appendices, endnotes, index, etc.
05	Total numbered pages	The sum of all Roman- and Arabic-numbered pages.
06	Production page count	The total number of pages in a book, including unnumbered pages, front matter, back matter, etc. This includes any blank pages at the back that carry no content and are present only for convenience of printing and binding
07	Absolute page count	The total number of pages of the book counting the cover as page 1. This page count type should be used only for digital publications delivered with fixed pagination.
08	Number of pages in print counterpart	The total number of pages in the print counterpart of a digital product delivered without fixed pagination.
09	Duration	Duration in time, expressed in the specified extent unit
10	Notional number of pages in digital product	An estimate of the number of 'pages' in a digital product delivered without fixed pagination, and with no print counterpart, given as an indication of the size of the work.
11	Content page count	The sum of all Roman- and Arabic-numbered and contentful unnumbered pages.
12	Total unnumbered insert page count	The total number of unnumbered pages with content inserted within the main content of a book - for example inserts/plate sections that are not numbered.

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22	Filesize	The size of a digital file, expressed in the specified extent unit

6.130. ONIX Illustration Type Code

GS1 Code List	ONIXIllustrationTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 25	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
00	Unspecified, see description	See description in the element
01	Illustrations, black and white	Not available
02	Illustrations, color:	Not available
03	Halftones, black and white	Including black and white photographs
04	Halftones, color	Including color photographs
05	Line drawings, black and white	Not available
06	Line drawings, color	Not available
07	Tables, black and white	Not available
08	Tables, color	Not available
09	Illustrations, unspecified:	Not available
10		Halftones, unspecified: Including photographs
11	Tables, unspecified	Not available
12	Line drawings, unspecified	Not available
13	Halftones, duotone	Not available
14	Maps	Not available
15	Frontispiece	Not available
16	Diagrams	Not available
17	Figures	Not available
18	Charts	Not available
19	Recorded music items	Recorded music extracts or examples, or complete recorded work(s), accompanying textual or other content
20	Printed music items	Printed music extracts or examples, or complete music score(s), accompanying textual or other content
21	Graphs	To be used in the mathematical sense of a diagram that represents numerical values plotted against an origin and axes, cf codes 16 and 18
22	Plates, unspecified	'Plates means illustrations that are on separate pages bound into the body of a book
23	Plates, black and white	'Plates' means illustrations that are on separate pages bound into the body of a book
24	Plates, color	'Plates' means illustrations that are on separate pages bound into the body of a book
25	Index	Not available
26	Bibliography	Not available

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27	Inset maps	Larger-scale inset maps of places or features of interest included in a map product
28	GPS grids	GPS grids included in a map product

6.131. ONIX Name Type Code

GS1 Code List	OnixNameTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 18	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
00	Unspecified	Not available
01	Pseudonym	May be used to give a well-known pseudonym, where the primary name is a 'real' name
02	Authority-controlled name	Not available
03	Earlier name	Not available
04	'Real' name	May be used to identify a real name, where the primary name is a pseudonym

6.132. ONIX Publication Description Type Code

GS1 Code List	OnixPublicationDescriptionTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 153	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Sender-defined text:	To be used only in circumstances where the parties to an exchange have agreed to include text which (a) is not for general distribution, and (b) cannot be coded elsewhere. If more than one type of text is sent, it must be identified by tagging within the text itself.
02	Short description/annotation:	Limited to a maximum of 350 characters
03	Description	Length unrestricted
04	Table of contents	Used for a table of contents sent as a single text field, which may or may not carry structure expressed as XHTML
05	Flap / cover copy:	Descriptive blurb taken from the back cover and/or flaps
06	Review quote:	A quote taken from a review of the product or of the work in question where there is no need to take account of different editions
07	Review quote: previous edition	A quote taken from a review of a previous edition of the work
08	Review quote: previous work:	A quote taken from a review of a previous work by the same author(s) or in the same series

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09	Endorsement:	A quote usually provided by a celebrity to promote a new book, not from a review
10	Sender-defined text:	To be used only in circumstances where the parties to an exchange have agreed to include text which (a) is not for general distribution, and (b) cannot be coded elsewhere. If more than one type of text is sent, it must be identified by tagging within the text itself.
11	Short description/annotation:	Limited to a maximum of 350 characters
12	Description:	Length unrestricted
13	Table of contents:	Used for a table of contents sent as a single text field, which may or may not carry structure expressed as XHTML
14	Flap / cover copy	Descriptive blurb taken from the back cover and/or flaps

6.133. ONIX Publisher Role Type Code

GS1 Code List	ONIXPublisherRoleTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	N/A	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Publisher	Not available
02	Co-publisher	Not available
03	Sponsor	Not available
04	Publisher of original-language version	Of a translated work
05	Host/distributor of electronic content	Not available
06	Published for/on behalf of	Not available
07	Published in association with	Use also for 'Published in cooperation with'
08	Published on behalf of	DEPRECATED: use code 06
09	New or acquiring publisher	When ownership of a product or title is transferred from one publisher to another
10	Publishing group	The group to which a publisher (publishing role 01) belongs: use only if a publisher has been identified with role code 01
11	Publisher of facsimile original	The publisher of the edition of which a product is a facsimile
12	Repackager of prebound edition	The repackager of a prebound edition that has been assigned its own identifier. (In the US, a 'prebound edition' is a book that was previously bound, normally as a paperback, and has been rebound with a library-quality hard
13	Former publisher	When ownership of a product or title is transferred from one publisher to another (complement of code 09)

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6.134. ONIX Sales Rights Type Code

GS1 Code List	ONIXSalesRightsTypeCode
GS1 Code List Version	R1
Managing Agency	ONIX
Based on Code List	ONIX List 46
Type Of Management	External
Code Value	**Code Definition**
00	Sales rights unknown or unstated for any reason. May only be used with the ONIX 3 element
01	For unrestricted sale with exclusive rights in the specified countries or territories
02	For unrestricted sale with non-exclusive rights in the specified countries or territories
03	Not for sale in the specified countries or territories (reason unspecified)
04	Not for sale in the specified countries (but publisher holds exclusive rights in those countries or territories):
05	Not for sale in the specified countries (publisher holds non-exclusive rights in those countries or territories):
06	Not for sale in the specified countries (because publisher does not hold rights in those countries or territories):
07	For sale with exclusive rights in the specified countries or territories (sales restriction applies). Only for use with ONIX 3
08	For sale with non-exclusive rights in the specified countries or territories (sales restriction applies). Only for use with ONIX 3

6.135. ONIX Series Identifier Type Code

GS1 Code List	ONIXSeriesIdentifierTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 13	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Proprietary	For example, publisher's own series ID
02	ISSN	International Standard Serial Number, unhyphenated, 8 digits
03	German National Bibliography series ID	Maintained by the Deutsche Bibliothek
04	German Books in Print series ID	Maintained by VLB
05	Electre series ID	Maintained by Electre Information, France
06	DOI	Digital Object Identifier (variable length and character set)
22	URN	Uniform Resource Name

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6.136. ONIX Subject Scheme Identifier Code

GS1 Code List	ONIXSubjectSchemeIdentifierCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	n/a	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Dewey	Dewey Decimal Classification
02	Abridged Dewey	Not available
03	LC classification	US Library of Congress classification
04	LC subject heading	US Library of Congress subject heading
05	NLM classification	US National Library of Medicine medical classification
06	MeSH heading	US National Library of Medicine Medical subject heading
07	NAL subject heading	US National Agricultural Library subject heading
08	AAT	Getty Art and Architecture Thesaurus heading
09	UDC	Universal Decimal Classification
10	BISAC Subject Heading	BISAC Subject Headings are used in the North American market to categorize books based on topical content. They serve as a guideline for shelving books in physical stores and browsing books in online stores.
11	BISAC region code	A geographical qualifier used with a BISAC subject category
12	BIC subject category	For all BIC subject codes and qualifiers, see http://www.bic.org.uk/7/BIC-Standard-Subject-Categories/.
13	BIC geographical qualifier	Not available
14	BIC language qualifier (language as subject)	Not available
15	BIC time period qualifier	Not available
16	BIC educational purpose qualifier	Not available
17	BIC reading level and special interest qualifier	Not available
18	DDC-Sachgruppen der Deutschen Nationalbibliografie	Used for German National Bibliography since 2004 (100 subjects). Is different from value 30.
19	LC fiction genre heading	Not available
20	Keywords	Where multiple keywords or keyword phrases are sent in a single instance of the element, it is recommended that they should be separated by semi-colons (this is consistent with Library of Congress preferred practice)
21	BIC children's book marketing category	See http://www.bic.org.uk/8/Children's-Books-Marketing-Classifications/

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22	BISAC Merchandising Theme	BISAC Merchandising Themes are used in addition to BISAC Subject Headings to denote an audience to which a work may be of particular appeal, a time of year or event for which a work may be especially appropriate, or to further d
23	Publisher's own category code	Not available
24	Proprietary subject scheme	As specified in
25	Tabla de materias ISBN	Latin America
26	Warengruppen-Systematik des deutschen Buchhandels	Not available
27	Schlagwort-Normdatei (SWD)	Subject heading text
28	Thèmes Electre	Subject classification used by Electre (France)
29	CLIL	France
30	DNB-Sachgruppen	Deutsche Bibliothek subject groups. Code. Used for German National Bibliography until 2003 (65 subjects). Is different from value 18.
31	NUGI	Nederlandse Uniforme Genre-Indeling (former Dutch book trade classification)
32	NUR	Nederlandstalige Uniforme Rubrieksindeling (Dutch book trade classification, from 2002)
33	ECPA Christian Book Category	ECPA Christian Product Category Book Codes, consisting of up to three x 3-letter blocks, for Super Category, Primary Category and Sub-Category. See http://www.ecpa.org/ECPA/cbacategories.xls
34	SISO	Schema Indeling Systematische Catalogus Openbare Bibliotheken (Dutch library classification)
35	Korean Decimal Classification (KDC)	A modified Dewey Decimal Classification used in the Republic of Korea
36	DDC 22 ger	Code. German Translation of DDC 22. Also known as DDC Deutsch 22
37	Bokgrupper	Norwegian book trade product categories (4701)
38	Varegrupper	Norwegian bookselling subject categories (4702)
39	Læreplaner	Norwegian school curriculum version (4703)
40	Nippon Decimal Classification	Japanese subject classification scheme
41	BSQ	BookSelling Qualifier: Russian book trade classification
42	ANELE Materias Spain	subject coding scheme of the Asociación Nacional de Editores de Libros y Material de Enseñanza
43	Skolefag	Norwegian primary and secondary school subject categories (4705)
44	Videregående	Norwegian list of categories used in higher secondary education and vocational training (4706)
45	Undervisningsmateriell	Norwegian list of categories for books and other material used in education (4707)
46	Norsk DDK	Norwegian version of Dewey Decimal Classification
47	Varugrupper	Swedish bookselling subject categories
48	SAB	Swedish classification scheme
49	Läromedel	Swedish bookselling educational subject
50	Förhandsbeskrivning	Swedish publishers preliminary subject classification
51	Spanish ISBN UDC subset	Controlled subset of UDC codes used by the Spanish ISBN Agency
52	ECI subject categories	Subject categories defined by El Corte Inglés and used widely in the Spanish book trade

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53	Soggetto CCE	Classificazione commerciale editoriale (Italian book trade subject category based on BIC)
54	Qualificatore geografico CCE	Not available
55	Qualificatore di lingua CCE	Not available
56	Qualificatore di periodo storico CCE	Not available
57	Qualificatore di livello scolastico CCE	Not available
58	Qualificatore di età di lettura CCE	Not available
59	VdS Bildungsmedien Fächer	Subject code list of the German association of educational media publishers
60	Fagkoder	Undervisningsdirektoratets fagkoder for kunnskapsløftet I videregående (Norwegian educational curriculum for secondary schools) (4708)
61	JEL classification	Journal of Economic Literature classification scheme
62	CSH	National Library of Canada subject heading (English)
63	RVM	Répertoire de vedettes-matière (Bibliothèque et Archives Canada et Bibliothèque de l'Université Laval) (French)
64	YSA	Yleinen suomalainen asiasanasto: Finnish General Thesaurus
65	Allärs: Allmän tesaurus på svenska	Swedish translation of the Finnish General Thesaurus
66	YKL	Yleisten kirjastojen luokitusjärjestelmä: Finnish Public Libraries Classification System
67	MUSA	Musiikin asiasanasto: Finnish Music Thesaurus
68	CILLA	Specialtesaurus för musik: Swedish translation of the Finnish Music Thesaurus
69	Kaunokki	Fiktiivisen aineiston asiasanasto: Finnish thesaurus for fiction
70	Bella	Specialtesaurus för fiktivt material: Swedish translation of the Finnish thesaurus for fiction
71	YSO	Yleinen suomalainen ontologia: Finnish General Upper Ontology
72	Paikkatieto ontologia	Finnish Place Ontology
73	Suomalainen kirja-alan luokitus	Finnish book trade categorisation
74	Sears	Sears List of Subject Headings
75	BIC E4L	BIC E4Libraries Category Headings
76	CSR	Code Sujet Rayon: subject categories used by bookstores in France
77	Suomalainen oppiaineluokitus	Finnish school subject categories
78	Japanese book trade C-Code:	Not available
79	Japanese book trade Genre Code:	Not available
80	Fiktiivisen aineiston lisäluokitus	Finnish fiction genre classification
81	Arabic Subject heading scheme	Not available
82	Arabized BIC subject category	Arabized version of BIC subject category scheme developed by El Kotob
83	Arabized LC subject headings	Arabized version of Library of Congress scheme

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84	Bibliotheca Alexandrina Subject Headings	Classification scheme used by Library of Alexandria

6.137. ONIX Title Type Code

GS1 Code List	ONIXTitleTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 15	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
00	Undefined	Not available
01	Distinctive title (book); Cover title (serial); Title on item (serial content item or reviewed resource)	The full text of the distinctive title of the item, without abbreviation or abridgement. For books, where the title alone is not distinctive, elements may be taken from a set or series title and part number etc to create a distinctive title. Where the item is an omnibus edition containing two or more works by the same author, and there is no separate combined title, a distinctive title may be constructed by concatenating the individual titles, with suitable punctuation, as in Pride and prejudice / Sense and sensibility / Northanger Abbey.
02	ISSN key title of serial	Serials only
03	Title in original language	Where the subject of the ONIX record is a translated item
04	Title acronym or initialism	For serials: an acronym or initialism of Title Type 01, eg JAMA, JACM
05	Abbreviated title	An abbreviated form of Title Type 01
06	Title in other language	A translation of Title Type 01 into another language
07	Thematic title of journal issue Serials only	when a journal issue is explicitly devoted to a specified topic
08	Former title Books or serials:	when an item was previously published under another title
10	Distributor's title For the title carried in a book distributor's title file	frequently incomplete, and may include elements not properly part of the title
11	Alternative title on cover	An alternative title that appears on the cover of a book
12	Alternative title on back	An alternative title that appears on the back of a book
13	Expanded title	An expanded form of the title, eg the title of a school text book with grade and type and other details added to make the title meaningful, where otherwise it would comprise only the curriculum subject. This title type is required for submissions to the Spanish ISBN Agency.

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6.138. ONIX Unnamed Persons Code

GS1 Code List	ONIXUnnamedPersonsCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	n/a	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Unknown	Not available
02	Anonymous	Not available
03	Et ai and others	Additional contributors not listed
04	Various authors	When the product is a pack of books by different authors
05	Synthesized voice-male	Use with Contributor role code E07 'read by', for audio books for the blind
06	Synthesized voice-female	Use with Contributor role code E07 'read by', for audio books for the blind
07	Synthesized voice-unspecified	Use with Contributor role code E07 'read by', for audio books for the blind

6.139. ONIX Usage Status Code

GS1 Code List	ONIXUsageStatusCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 146	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Permitted unlimited	Not available
02	Permitted subject to limit	Limit should be specified in
03	Prohibited	Not available

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6.140. ONIX Usage Type Code

GS1 Code List	ONIXUsageTypeCode	
GS1 Code List Version	R1	
Managing Agency	ONIX	
Based on Code List	ONIX List 145	
Type Of Management	External	
Code Value	**Code Name**	**Code Definition**
01	Preview	Preview before purchase
02	Print	Print paper copy of extract
03	Copy / paste	Make digital copy of extract
04	Share	Share product across multiple concurrent devices
05	Text to speech	Read aloud' with text to speech functionality
06	Lend	Lendable to other device owner or account holder (primary copy becomes unusable while copy is 'on loan')
07	Time-limited license	E-publication license is time limited. Use with 02 from List 146 and a number of days in

6.141. Orderable Returnable Conditions Code

GS1 Code List	OrderableReturnableConditionsCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ACTIVE	Is orderable and returnable unless "Is Trade Item Returnable" = "FALSE".
CUTOUT	Is not orderable and is returnable unless the one-way flag is set to "yes".
DELETED	Not orderable and not returnable.
HOLD	Temporarily unavailable but is still returnable unless the one-way flag is set to "yes".

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6.142. Organic Claim Agency Code

GS1 Code List	OrganicClaimAgencyCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
1	EPA	EPA – US Environmental Protection Agency
2	FSA	FSA – UK Food Standards Agency
3	FDA	FDA – US Food and Drug Agency
4	IFOA	International Foundation for Organic Agriculture
5	BFA	BFA - Biological Farmers of Australia
6	USDA	USDA- US Department of Agriculture
7	QAI	Quality Assurance International www.qai-inc.com QAI is a leading USDA-accredited organic product certifying agency.
8	Südtirol Bioland	Südtirol Bioland – Bioland Association of South Tyrol The Association of South Tyrol is the largest organic association for organic farmers having to farmers in South Tyrol and the only active in association with a national association office Terlan.
9	Ecoland	Ecoland – Ecoland is a membership organisation whose members elect a governing Board which is responsible for the design and implementation of the organic certification system.
10	Demeter-Bund	Demeter-Bund – The Demeter movement as an entrepreneurial network promotes the development of bio-dynamic economy, to secure the livelihoods of the world and to strengthen the positive people in his ministry. In cooperation contribute producers, processors, traders and consumers in partnership to shape the market.
11	GÄA	GÄA – Gäa is a diverse farming association for farmers, processors and traders inside.Focal point is Germany. Gäa is a special design for the structure of the organic farming.
12	Naturland	Naturland – Naturland is active the world over in promoting organic agriculture. Its members are farmers who produce a wide range of valuable products: coffee from Mexico and Peru, olive oil from Greece, tea from the slopes of India's mountains, pineapple and other tropical fruit from Uganda, spices from Sri Lanka. Organic agriculture safeguards the existence of smallholders and helps with the sustainable management of what are often fragile ecosystems. On a global scale, over 50,000 Naturland farmers are cultivating an area of over 142,000 hectares.

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13	BVOL	Bäuerliche Vereinigung ökologischer Landbau – an association of organic farmers' associations. They represent the interests of the German organic farmers and want to strengthen the position of organic farms in the shaping of national and international conditions. For the Peasant Federation of Organic Agriculture includes the following national remit Organic Agriculture Movements: Biokreis eV, Biopark eV, composite Ökohöfe eV http://www.bvoel.de/
14	ECOVIN	ECOVIN – ECOVIN Federation Organic Viticulture Association: ECOVIN largest merger in 1985 as ecologically-working wine estates in Germany was founded. Approximately 220 member companies currently manage 1,600 hectares of vineyards in 11 German wine-growing areas.
15	IFOAM	IFOAM – The International Federation of Organic Agriculture Movements (IFOAM) is a grassroots and democratic organization that currently unites 750 member organizations in 116 countries.
16	Demeter International	Demeter-International e. V. is a non profit organisation and its member organisations work together in the spirit of an international confederation with democratic principles. Membership requires a functioning Demeter certification programme.
17	Bioland	Bioland: The leading organic farmers' association in Germany for the economy of organic-based businesses without synthetic pesticides and synthetic chemical nitrogen fertilizer. The animals are kept humanely and processed food carefully. This provides an environmentally sound and sustainable food production. http://www.bioland.de.
19	QCS	Quality Certification Services
20	WSDA	Washington State Dept. of Agriculture
999	Unspecified Agency	Unspecified Agency

6.143. Organic Product Place Of Farming Code

GS1 Code List	**OrganicProductPlaceOfFarmingCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
EU_AGRICULTURE	The agricultural raw material has been farmed in the EU,
NON_EU_AGRICULTURE	The agricultural raw material has been farmed in third countries,
EU_OR_NON_EU_AGRICULTURE	Part of the agricultural raw materials has been farmed in the Community and a part of it has been farmed in a third country.
FARMING_COUNTRY_OF_ORIGIN	All agricultural raw materials of which the product is composed have been farmed in a single country. (if this value is populated, the Farming Country of Origin target market is required

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6.144. Organic Trade Item Code

GS1 Code List	OrganicTradeItemCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	100% Organic
2	Organic (at least 95% by weight)
3	Made with organic ingredients (at least 70% by weight)
4	Some organic ingredients (less than 70% by weight)
5	Not Organic
6	In conversion (products presently in conversion to the organic standard)
7	Bio Dynamic (a cousin to the organic system)
8	Disqualified (GTINs that violate organic principles, with attributes such as tradeitemGeneticallyModifiedCode or tradeitemIrradiatedCode is true)

6.145. Orientation Type Code

GS1 Code List	OrientationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BAF_000	Back face, rotate clockwise 0°
BAF_090	Back face, rotate clockwise 90°
BAF_180	Back face, rotate clockwise 180°
BAF_270	Back face, rotate clockwise 270°
BOF_000	Bottom face, rotate clockwise 0°
BOF_090	Bottom face, rotate clockwise 90°
BOF_180	Bottom face, rotate clockwise 180°
BOF_270	Bottom face, rotate clockwise 270°
FRF_000	Front face, rotate clockwise 0°
FRF_090	Front face, rotate clockwise 90°
FRF_180	Front face, rotate clockwise 180°
FRF_270	Front face, rotate clockwise 270°
LEF_000	Left face, rotate clockwise 0°

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LEF_090	Left face, rotate clockwise 90°
LEF_180	Left face, rotate clockwise 180°
LEF_270	Left face, rotate clockwise 270°
RIF_000	Right face, rotate clockwise 0°
RIF_090	Right face, rotate clockwise 90°
RIF_180	Right face, rotate clockwise 180°
RIF_270	Right face, rotate clockwise 270°
TOF_000	Top face, rotate clockwise 0°
TOF_180	Top face, rotate clockwise 180°
TOF_270	Top face, rotate clockwise 270°
TOF_90	Top face, rotate clockwise 90°

6.146. Packaging Chain of Custody Source Certified Code

GS1 Code List	**PackagingChainOfCustodySourceCertifiedCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
KNOWN	Recognized, familiar, or within the scope of knowledge
UNKNOWN	Not known or familiar.
SOURCED_CERTIFIED	The source has been certified.

6.147. Packaging Feature Code

GS1 Code List	**PackagingFeatureCode**	
GS1 Code List Version	**R1**	
Managing Agency	**GS1**	
Based on Code List	**n/a**	
Type Of Management	**n/a**	
Code Value	**Code Name**	**Code Definition**
BASE	Base to stand up vertically	A general term applied to the support or pedestal of an object.
BEAM	Beams	Long sturdy piece of squared timber or metal used in house-building etc.
BUNG_SEAL	Bungs or seals	A bung is an apparatus used to seal a container, such as a bottle, barrel or tube" (or in this case). A bung is partially inserted inside the container to act as a seal. The most common every-day example of a bung is the stopper of a wine bottle.
CAP	Cap	A cap that seals a bottle or other form of packaging.

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CARRIER	Carriers	A device of various types attached to or hung from trolleys to support the load.
CONSUMPTION_UTENSIL	Consumption Utensils (straws, spoons)	An item which allows the user to extract and/or consume the content of a container.
CORE	Core	A tubular shape around which flexible material such as plastic film or paper are wound for purposes of transport and handling.
CREEL	Creel	A creel is a device for holding the required number of roving spools or other supply packages of reinforcement fibers for Fiber Reinforced Plastics manufacturing. This device holds the rovings in the desired position for unwinding in continuous processes like Pultrusion and Filament Winding.
EDGE_PROTECTION	Edge Protection	A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling.
HANDLE	Handles	A grip attached to an object for using or moving the object, usually with the hands.
LINER	Inner Coating or liners	An internal chamber within a container which separates the content of the container from the walls. Inner liners provide additional isolation and protection to the content of a container. Sometimes coatings of certain materials may be applied as an alternative to inner liners.
INNER_CONTAINER	Inner containers	
INTERNAL_DIVIDER	Internal Dividers	An internal divider is an object, either flat or custom-shaped, used to separate the content of a container or to prevent the content from mixing.
LABEL	Labels	A label is a piece of paper, polymer, cloth, metal, or other material affixed to a container or article (or printed directly upon it), which usually carries information about the article to.which it has been attached.
LID	Lid	In packaging, the top or bottom of a container, usually the part that closes the opening; may also be known as cap, over, or top
LUG	Lug	A small indentation or raised portion on the surface of a bottle, provided as an indexing means for operations such as multi-pass decoration or labeling.
PULL_OFF_TAB	Pull-off tab	A flexible cover which can be easily removed in order to open a container.
NESTING_EDGE	Nesting Edges	Edges which allow items of the same size to be partially stacked within one another in any direction thus reducing the space required in order to stack them.
PEG	Pegs	A fastener which allows a product to be hanged.
RING_HOLDER	Ring-Holders	A hollow circular band of material wound around itself.
RIVET	Rivets	A permanent fastener which consists of a cylindrical shaft with a head on one end and tail which is deformed to fixate the rivet in place.
SLEEVE	Sleeve	A tubular form, open at both ends, that is slipped over an item or package.
SPOUT	Spout	A spout is a protruding edge which allows the lifting and pouring of liquids contained within a container.

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TAG	Tags	A hanging card made of any material which is used to identify or provide additional information of a product.
WICKER_OUTER_CONTAINER	Wicker Outer Container	An outer container made of wicker which is fitted to the bottle usually a little less than half way up from the bottom of the bottle and is used to hold, hang or support the bottle.
WRAP	Wrap	A layer of any material which completely enclose a product. A wrap can have many purposes, from providing additional protection to an item to serving as a gift-wrap.

6.148. Packaging Function Code

GS1 Code List	PackagingFunctionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANTI_TAMPERING	A methodology used to hinder, or deter unauthorized access to a device.
ANTISEPTIC	The process by which a sterile (aseptic) product (typically food or pharmaceutical) is packaged in a sterile container in a way which maintains sterility.
ATOMIZER	A device for reducing a liquid to a fine spray. (e.g., medicine, perfume, etc). An atomizer does not rely on a pressurised container for the propellant.
COATED	Covered with a material (paraffin, wax) that protects the product or packaging.
COMPRESSED	Content has been pressed together to the maximum possible way.
DISPENSER	A device or mechanism to supply or extract contents.
GIFT_WRAPPED	Packaging is wrapped in a decorative way for the purposes of the consumer giving it as a gift.
ISOTHERMIC	Thermal carry container designed for the carriage of temperature controlled goods such as vaccines, pharmaceuticals, and medicines.
MODIFIED_ATMOSPHERE	The practice of modifying the composition of the internal atmosphere of a package, (commonly food packages, and drugs) in order to improve the shelf life.
OXYGEN_INFUSED	A barrier packaging material for an infusion solution, i.e., oxygen.
PEEL_OFF	A section of the packaging can be detached with ease in order to have access to the content or product, e.g. peel-off Lids used for packing Milk, Coffee and Cacao Powder.
PINPACK	The package is equipped to be hung up on a hook".
PROTECTED	Functionality to keep from being damaged, attacked, stolen, or injured; guard.
REINFORCED	A component is added to a container for a particular application to lend additional support under severe applications.
SIFT_PROOF	Packaging is designed to prevent leaking of the content specially when it is on powdered or liquid state.

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TAMPER_EVIDENT	The packaging is designed to show when there has been some interference with the original sealing or configuration of the packaging.
VACUUM_PACKED	Packaging in containers, either rigid or flexible, from which substantially all gases have been removed prior to final sealing of the container.
WATER_RESISTANT	Coated with materials that make the packaging impervious to the effects of water.

6.149. Packaging Level Type Code

GS1 Code List	**PackagingLevelTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
PRIMARY	Constitutes the packaging designed to come into direct contact with the product.
SECONDARY	Groups a given number of primary packaging units together into a convenient unit at the point of sale. Secondary packaging typically has one of two roles: it can be a convenient means to replenish the shelves; or it can group primary packaging units into a package for purchase. It can be removed without affecting the product's properties and generally defines the unit handled by the retailer
TERTIARY	Is designed to ensure damage free handling and transport of a number of sales or grouped packages.

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6.150. Packaging Marked Diet Allergen Code

GS1 Code List	PackagingMarkedDietAllergenCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
APPROVED_BY_ASTHMA_AND_ALLERGY_ASSOC	Definitions made by the asthma and allergist association.
APPROVED_FOR_TUBE_FEEDING	The item is physically marked that it is approved for tube feeding by the appropriate authority of the target market.
BIOLOGICAL	Indicates the product has been marked as a biological item which indicates a food product that was produced with the use of feed or fertilizer of plant or animal origin, without employment of chemically formulated fertilizers, growth stimulants, antibiotics or pesticides.
CALORIES_PER_PORTION	Indicates the product has a marking with the calories per portion contained in the product.
COELIAC	Indicates that the diet is suitable for those with Coeliac disease.
CONTAINS_LATEX	The item is physically marked as containing Latex (rubber).
CONTAINS_PVC	The item is physically marked as containing PVC (Polyvinyl chloride). Phthalate content is unspecified.
CONTAINS_PVC_WITH_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) with phthalates.
CONTAINS_PVC_WITHOUT_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) without phthalates.
~~DIET_PRODUCT_450_800_KCAL_PER_DAY~~	~~The item is physically marked that it is approved for a 450-800 kilocalorie/day diet by the appropriate authority of the target market.~~
~~DIET_PRODUCT_800_1200_KCAL_PER_DAY~~	~~The item is physically marked that it is approved for a 800-1200 kilocalorie/day diet by the appropriate authority of the target market.~~
FOOD_WITH_VERY_LOW_ENERGY_CONTENT	The item is physically marked that it is approved as containing a very low energy content by the appropriate authority of the target market.
HALAL	Indicates the product has been marked as Halal which denotes selling or serving food ritually fit according to Islamic dietary laws.
INFANT_FORMULA	The item is physically marked that it is approved as infant formula by the appropriate authority of the target market.
KOSHER	Indicates the product has been marked as Kosher

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	which denotes selling or serving food ritually fit according to Jewish dietary laws.
LACTASE_ENZYME	The item is physically marked that it is approved as lactase enzyme by the appropriate authority of the target market.
LOW_ON_PHENYLALANINE	The item is physically marked as containing a low level of phenylalanine as approved by the appropriate authority of the target market.
LOW_ON_SUGAR	The item is physically marked as containing a low level of sugar as approved by the appropriate authority of the target market.
MEAL_REPLACEMENT_FOR_WEIGHT_CONTROL	Meal replacement for weight control.
MOTHERS_MILK_SUBSTITUTE	The item is physically marked that it is approved as substitute mother's milk the appropriate authority of the target market.
NUTRITION_SUPPLEMENT	The item is physically marked that it is approved as nutrition supplement by the appropriate authority of the target market.
TOTAL_DIET_REPLACEMENT_FOR_WEIGHT_CONTROL	The item is physically marked that it is approved as total diet replacement for weight control by the appropriate authority of the target market.
VEGETARIAN	Indicates the product has been marked as vegetarian which denotes a product that contains no meat, fish or other animal products.

6.151. Packaging Marked Free From Code

GS1 Code List	**PackagingMarkedFreeFromCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
FREE_FROM_ADDED_SULPHITES	The item is physically marked as being free from added sulphites, a salt of sulfurous acid containing the anion SO32.
FREE_FROM_ALMONDS	The item is physically marked as being free from almonds. The almond is a species of tree native to the Middle East and South Asia. "Almond" is also the name of the edible and widely cultivated seed of this tree. Within the genus Prunus, it is classified with the peach in the subgenus Amygdalus, distinguished from the other subgenera by the corrugated shell (endocarp) surrounding the seed. The fruit of the almond is a drupe, consisting of an outer hull and a hard shell with the seed (which is not a true nut) inside.
FREE_FROM_BARLEY	The item is marked as being free from barley. Barley a hardy cereal that has coarse bristles extending from the ears. It is widely cultivated, chiefly for use in brewing and stockfeed. The grain of the barley plant.
FREE_FROM_BPA	Free from Bisphenol (BPA). Bisphenol is an organic compound with the chemical formula (CH3)2C(C6H4OH)2. It is a colourless solid that is

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	soluble in organic solvents, but poorly soluble in water. BPA is controversial because it exerts weak, but detectable, hormone-like properties, raising concerns about its presence in consumer products and foods contained in such products.
FREE_FROM_BRAZIL_NUTS	The item is physically marked as being free from brazil nuts. The Brazil nut (Bertholletia excelsa) is a South American tree in the family Lecythidaceae, and also the name of the tree's commercially harvested edible seed.
FREE_FROM_CASHEWS	The item is physically marked as being free from cashews. The cashew nut is served as a snack or used in recipes, like other nuts, although it is actually a seed. The cashew apple is a fruit, whose pulp can be processed into a sweet, astringent fruit drink or distilled into liqueur.
FREE_FROM_CHOLESTEROL	The item is physically marked as having no Cholesterol.
FREE_FROM_CLONED_FOOD	The item is physically marked as being free from cloned food.
FREE_FROM_CRUSTACEAN	The item is physically marked as being free from crustaceans. The crustacean is an arthropod of the large, mainly aquatic group Crustacea, such as a crab, lobster, shrimp, or barnacle.
FREE_FROM_DAIRY	The item is physically marked as being free from dairy and dairy products, as approved by the appropriate authority of the target market.
FREE_FROM_EGG	The item is physically marked as free from egg.
FREE_FROM_FISH	The item is physically marked as being free from fish, as approved by the appropriate authority of the target market.
FREE_FROM_GLUTEN	The item is physically marked as free from gluten. This level of containment is frequently determined through regulation for example per EU Regulation (EC) No 41/2009 [of 20 January 2009], this is defined as =< 20 mg/kg).
FREE_FROM_HAZELNUTS	The item is physically marked as being free from hazelnuts. A hazelnut is the nut of the hazel and is also known as cobnut or filbert nut according to species. A cob is roughly spherical to oval, about 15–25 mm long and 10–15 mm in diameter, with an outer fibrous husk surrounding a smooth shell. A filbert is more elongated, being about twice as long as it is round. The nut falls out of the husk when ripe, about seven to eight months after pollination. The kernel of the seed is edible and used raw or roasted, or ground into a paste. Hazelnuts are also used for livestock feed, as are chestnuts and acorns. The seed has a thin, dark brown skin, which is sometimes removed before cooking.
FREE_FROM_LACTOSE	The item is physically marked as being free of lactose.
FREE_FROM_LATEX	The item is physically marked being free from Latex (rubber) as approved by the appropriate authority of the target market.
FREE_FROM_LEGUME_PROTEIN	The item is physically marked as being free from legume protein, as approved by the appropriate authority of the target market.
FREE_FROM_MACADAMIA	The item is physically marked as being free from

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	macadamia nuts. Macadamia is a genus of four species of trees indigenous to Australia and constituting part of the plant family Proteaceae. They grow naturally in north eastern New South Wales and central and south eastern Queensland. Common names include macadamia, macadamia nut, Queensland nut, bush nut, maroochi nut, queen of nuts and bauple nut; and from Indigenous Australians' languages bauple, gyndl, jindilli, and boombera. Previously, more species, with disjunct distributions, were named as members of this genus Macadamia.
FREE_FROM_MILK	The item is physically marked as being free from milk and any of its derivates, as approved by the appropriate authority of the target market.
FREE_FROM_MILK_PROTEIN	The item is physically marked as being free from milk protein.
FREE_FROM_MOLLUSCS	The item is physically marked as being free from molluscs. The mollusc is an invertebrate of a large phylum that includes snails, slugs, mussels, and octopuses. They have a soft, unsegmented body and live in aquatic or damp habitats, and most kinds have an external calcareous shell.
FREE_FROM_MUSTARD	The item is physically marked as being free from mustard. Mustard is a pungent-tasting yellow or brown paste made from the crushed seeds of certain plants, typically eaten with meat or used as a cooking ingredient.
FREE_FROM_NATURAL_GLUTEN	The item is physically marked as being naturally free from gluten and not extracted as part of the manufacturing process, as approved by the appropriate authority of the target market.
FREE_FROM_OAT	The item is physically marked as being free from oats. The oat is a cereal plant cultivated chiefly in cool climates and widely used for animal feed as well as human consumption. The grain yielded by this, used as food.
FREE_FROM_PEA_PROTEIN	The item is physically marked as being free from pea protein, as approved by the appropriate authority of the target market.
FREE_FROM_PEANUTS	The item is physically marked as being free from peanuts.
FREE_FROM_PEANUTS_AND_MADE_IN_A_PEANUT_FREE_FACILITY	The item is physically marked as peanut free and made in a peanut free facility.
FREE_FROM_PECANS	The item is physically marked as being free pecans. The pecan is a species of hickory, native to south-central North America, in Mexico from Coahuila south to Jalisco and Veracruz in the United States in Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Mississippi, Missouri, Oklahoma, South Carolina, Tennessee, and Texas.
FREE_FROM_PINENUTS	The item is physically marked as being free pine nuts. The pine nut is the edible seed of various pine trees.
FREE_FROM_PISTACHIOS	"The item is physically marked as being free pistachios. The pistachio is the edible pale green seed of an Asian tree.
FREE_FROM_PROTEIN	The item is physically marked as being free from protein, as approved by the appropriate authority of the

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	target market.
FREE_FROM_PVC	The item is physically marked as being free from PVC (Polyvinyl chloride), as approved by the appropriate authority of the target market.
FREE_FROM_RYE	The item is physically marked as being free from rye. Rye is a wheat like cereal plant that tolerates poor soils and low temperatures.
FREE_FROM_SESAME	The item is physically marked as being free sesame. The sesame is a tall annual herbaceous plant of tropical and subtropical areas of the Old World, cultivated for its oil-rich seeds. The sesame is the edible seeds of the sesame plant, which are used whole or have the oil extracted.
FREE_FROM_SOYA	The item is physically marked as being free from soya.
FREE_FROM_SUGAR	The item is physically marked as being free from sugar.
FREE_FROM_TRANS_FAT	The item is physically marked being free from Trans Fatty Acids (Trans Fat) as approved by the appropriate authority of the target market.
FREE_FROM_TREE_NUTS	The item is physically marked as being free from Tree Nuts, as approved by the appropriate authority of the target market.
FREE_FROM_TRITICALE	The item is physically marked as being free from triticale. Triticale is a hybrid grain produced by crossing wheat and rye, grown as a fodder crop.
FREE_FROM_WALNUTS	Free from walnuts. The walnut is the large wrinkled edible seed of a deciduous tree, consisting of two halves contained within a hard shell that is enclosed in a green fruit. The tall tree that produces the walnut, with compound leaves and valuable ornamental timber that is used chiefly in cabinetmaking and gunstocks.
FREE_FROM_WHEAT	Free from wheat. Wheat is a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc. It is the grain of the wheat plant.
REDUCED_LACTOSE	The item is physically marked as having a reduced amount of lactose
REDUCED_PROTEIN	The item is physically marked as containing a low level of protein as approved by the appropriate authority of the target market.
REDUCED_TRANSFAT	The item is physically marked as having a reduced amount of transfats (unsaturated).
VERY_LOW_GLUTEN	The item is physically marked as as a very low amount of gluten. Very low is frequently determined through regulation for example, per EU Regulation (EC) No 41/2009 [of 20 January 2009], this is defined as containing between 20 and 100 mg/kg).
WITHOUT_ADDED_SUGAR	The item is physically marked that no sugar has been added when manufacturing the product but it still can contain sugars that are naturally part of the ingredients, as approved by the appropriate authority of the target market.
WITHOUT_ADDED_SWEETENER	The item is physically marked that no sweetener has been added when manufacturing the product as approved by the appropriate authority of the target market.

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6.152. Packaging Marked Label Accreditation Code

GS1 Code List	PackagingMarkedLabelAccreditationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
100_PERCENT_CANADIAN_MILK	The use of a "100% Canadian Milk" or "100% Canadian Dairy" claim, with or without logos, vignettes etc., when used on dairy products, indicates all of the dairy ingredients in the product are derived from Canadian sources.
ACMI	Art And Creative Materials Institute, Inc.
AGENCE_BIO	The BIO Agency is a public interest group whose mission is to develop and promote organic agriculture.
AISE	A.I.S.E., the international Association for Soaps, Detergents and Maintenance Products is the official representative body of this industry in Europe.
AISE_2005	The International Association for Soaps, Detergents and Maintenance Products: This Charter logo on a product means that the company placing this product on the market is committed to the industry Charter for Sustainable Cleaning, and that the company has successfully complied with the Charter Sustainability Procedures. Consumers and professional users who see this logo on a product can be assured that the company making this product is voluntarily committed to delivering continual improvements in safety, environmental friendliness and other key aspects of sustainability. Only those companies that have signed up to the Charter, and meet the licensing conditions, are permitted to use it.
AISE_2010	The International Association for Soaps, Detergents and Maintenance Products This logo will certify that the company which manufactured the product is following Charter update 2010 sustainability principles.
ALUMINIUM_ GESAMTVERBAND_DER_ ALUMINIUMINDUSTRIE	The packaging is recyclable aluminium by Gesamtverband der Aluminiumindustrie
AMA_ORGANIC_SEAL	Austria Ministry of Agriculture Organic Label, AMA Marketing licenses the AMA organic logo. Red, white and black indicates the majority of ingredients are of Austrian origin.
AMA_ORGANIC_SEAL_BLACK	AMA Assurance Organic products with a national origin are uniformly marked with the black AMA organic label without indication of origin.
AMA_SEAL_OF_APPROVAL	The AMA quality label ensures independent controls and stands for conventionally produced foods that meet

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	exceptional quality criteria and whose origin is traceable.
ANIMAL_WELFARE_APPROVED_GRASSFED	Guarantees the meat comes from an animal raised entirely outdoors on pasture, and fed a 100-per-cent grass and forage diet.
AQUACULTURE_STEWARDSHIP_COUNCIL	The Aquaculture Stewardship Council ASC certification and labelling programme for responsibly farmed seafood. A global organisation working with aquaculture producers, seafood processors, retail and foodservice companies, scientists, conservation groups and the public to promote the best environmental and social choice in seafood. The ASC's aquaculture certification programme and seafood label will recognise and reward responsible aquaculture.
ARGE_GENTECHNIK_FREI	ARGE logo stands for the production of food without genetically modified additives.
ASMI	ASMI, The Alaska Seafood Marketing Institute, is a marketing organisation with the mission of increasing the economic value of the Alaska seafood resource through: • Increasing the positive awareness of the Alaska Seafood brand; • Quality assurance, technical industry analysis, education, advocacy and research. http://www.alaskaseafood.org/.
ATG	If there is no BENOR-mark for a specific material, then the manufacturers can ask for a technical approval by BUtgb (Belgian Union for technical approval in the construction). This technical approval (ATG) provides a technical advice, including a description and the technical characteristics. An ATG is a favourable review of one particular building product of one manufacturer for a particular application. It's all about systems, innovative products and products that contain multiple components.
AUS_KAUP_ESTONIA	Used to specify Estonia Meat in their product. Eesti Lihatöötlejate Assotsiatsioon www.ela.ee
AUSTRIA_BIO_GARANTIE	Austria Bio Garantie GMBH (ABG) is Austria's leading inspection body. It conducts inspections throughout Austria at all levels of the organic production chain (farmers-processors-traders-import/export) as well as in different foreign countries.
AUSTRIAN_ECO_LABEL	The Austrian Eco Label guarantees “environment-friendly” products and services.
BDIH_LOGO	BDIH Germany guidelines for Certified Natural Cosmetics
BEBAT	BEBAT is a non-profit organisation, founded in 1995 under a Belgian law on environmental taxes. BEBAT gives a new life to batteries and flashlights! We do that by sorting and recycling. The federal government and the regional authorities are working with us.
BELGAQUA	Belgaqua is the Belgian Federation for the Water Sector, and verifies the conformity of devices connected to the water supply at the request of the manufacturer or the importer, and is responsible for the inspection of protections against back blends.

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BENOR	BENOR stands for BElgian NORm and points out that a product is according to Belgian standards. Is mainly used for traditional building materials such as steel, concrete, tile, brick, floor tiles and other concrete products, indicated by the abbreviation NBN. Mainly for building materials in road construction.
BERCHTESGADENER_LAND	The regional seal "Berchtesgadener Land" approved regional origin and quality of organically and conventionally produced agricultural products and services in the region of Berchtesgaden. The award criteria go in terms of the origin and support of genetic engineering ban partially beyond legal requirements.
BEST_AQUACULTURE_PRACTICES	"The Best Aquaculture Practices Certified (BAP Certified) mark on retail packaging tells consumers that seafood came from BAP certified aquaculture facilities. The Best Aquaculture Practices standards, developed by the Global Aquaculture Alliance, form the basis for BAP certification. The standards specifically protect biodiversity and worker rights within a program that addresses environmental, social, food safety and traceability issues throughout producers' operations.
BEST_AQUACULTURE_PRACTICES_2_STARS	2 Star BAP accreditation. The BAP program is the world's most comprehensive third-party certification system for aquaculture facilities, addressing every key element of responsible aquaculture, including environmental responsibility, social responsibility, food safety, animal welfare, traceability and more. BAP standards encompassing the entire aquaculture production chain, including farms, processing plants, hatcheries and feed mills.
BEST_AQUACULTURE_PRACTICES_3_STARS	3 Star BAP accreditation. The BAP program is the world's most comprehensive third-party certification system for aquaculture facilities, addressing every key element of responsible aquaculture, including environmental responsibility, social responsibility, food safety, animal welfare, traceability and more. BAP standards encompassing the entire aquaculture production chain, including farms, processing plants, hatcheries and feed mills.
BEST_AQUACULTURE_PRACTICES_4_STARS	4 Star BAP accreditation. The BAP program is the world's most comprehensive third-party certification system for aquaculture facilities, addressing every key element of responsible aquaculture, including environmental responsibility, social responsibility, food safety, animal welfare, traceability and more. BAP standards encompassing the entire aquaculture production chain, including farms, processing plants, hatcheries and feed mills.
BETER_LEVEN_1_STER	The one-star Beter Leven (better life) mark indicates that the product comes from a company that cares that animals are kept according to the minimal requirements for sanitation and wel-being for the cattle industry. See: http://beterleven.dierenbescherming.nl/1-ster
BETER_LEVEN_2_STER	The two-star Beter Leven (better life) mark indicates that the product comes from a company that provides for a higher wel-being of animals than that established by the minimal requirements for sanitation and wel-being for the cattle industry, yet the conditions are inferior to those of Biological-class products. See:

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	http://beterleven.dierenbescherming.nl/2-sterren-
BETER_LEVEN_3_STER	The three-star Beter Leven (better life) mark is awarded to products that come from companies that excel in keeping animals according to top guidelines for Biological-class products. In some cases this mark is accompanied by an EKO indication. See: http://beterleven.dierenbescherming.nl/3-sterren-
BEWUSTE_KEUZE	Identifies non-staple or non-essential products (e.g. soup, candy, desserts, etc.) that offer more nutritional value or less contain less of potentially harmful ingredients (such as sugar, salt, fat) in comparison to similar items according to the guidelines of the Dutch Wetenschappelijke Commissie. See: http://www.ikkiesbewust.nl/
BIKO_TIROL	BIKo TYROL covers Genetically Modified-free milk production, AMA seal, quality Tyrol and beef labelling are controlled and certified. The Biko Tyrol operates in accordance with EN 45011 and is an accredited certification body.
BIO_AUSTRIA_LABEL	Bio Austria is the Austrian Bio-network of Eastern organic farmers. Created from the former Association Harvest for Life
BIO_FISCH	ARGE Biofisch stands for criteria in rearing of fish according to agreed quality standards of organic fish farming in Austria.
BIO_LABEL_GERMAN	German national organic certification label (Bio-Siegel), see www.bio-siegel.de
BIO_RING_ALLGAEU	The logo of Bio-Ring Allgäu e.V. is issued by an association of consumers and organic farmers since 1987 with the aim to strengthen the organic farming in the region of Allgäu. Their focus is on the involvement of an independent, public welfare-oriented regional development processes in connection with the marketing of high quality regional agricultural products. The association represents the interests of producers, whose production in excess of the statutory requirements and their quality criteria based on a wide range of areas basic criteria (eco-certifications) and are the life cycle (raw materials, production and processing, disposal) take into account the products.
BIO_SUISSE_BUD_SEAL	Represents interests of Swiss organic farmers www.bio-suisse.ch
BIOLAND	The Bioland-Label (organic label) identifies products from organic farming. The production method based on a circular economy - without synthetic pesticides and synthetic chemical nitrogen fertilizer. The animals are kept humanely and the food will be processed carefully. The guidelines go beyond the EU criteria. The organic label is assigned by the Bioland association.
BIOLAND_ENNSTAL	The "organic farming Ennstal" was founded in 1989 as a regional initiative - today one in three farmers cultivated in Styria Liezen region its operation under the strict rules of organic farming.

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BIOS_KONTROLLE	The BIOS label ensures organic food that is not genetically modified and produced in accordance with environmental standards. The BIOS logo may be used for the labelling of certified organic products exclusively.
BLUE_ANGEL	The Blue Angel is awarded to companies as kind of a reward for their commitment to environmental protection. They use it to professionally promote their eco-friendly products in the market. The Blue Angel is an ecological beacon showing the consumer the way to the ecologically superior product and promotes environmentally conscious consumption. See: http://www.blauer-engel.de/en/index.php
BORD_BIA_APPROVED	The Bord Bia Approved logo is awarded to a company which has been audited by Bord Bia to verify that processes, from farm to fork, comply with the highest Quality Assurance Standards. These standards include: animal welfare, traceability, environment, safety, feed, water, testing, inspection, hygiene and good manufacturing practice. "Bord Bia Approved" is awarded to a company where all the ingredients including meat content satisfy the Bord Bia requirements. www.bordbia.ie
BORD_BIA_APPROVED_MEAT	Bord Bia Approved - Meat Content Only applies to companies where only the meat content satisfies certain conditions detailed in the Bord Bia requirements document. see http://www.bordbia.ie/industryservices/quality/Documents/Quality-Assurance-Scheme-Logo-GuidelinesV7.pdf for more details.
BRA_MILJOVAL_LABEL_SWEDISH	Bra Miljöval Bra Miljöval is the ecolabel of SSNC. It is referred to as "Good Environmental Choice" in English. SSNC started ecolabelling
BRC_GLOBAL_STANDARDS	BRC Global Standards is a leading safety and quality certification programme, used by over 22,000 certificated suppliers in 123 countries, with certification issued through a worldwide network of accredited certification bodies.
BRITISH_DENTAL_HEALTH	A symbol used in the UK to indicate the dental health claims are clinically proven by the British Dental Health Foundation.
BSCI	Stands for Business Social Compliance Initiative, and aims to improve the working conditions in the supply chain around the world. It shows consumers that an article is produced according to ethical practices as regards working conditions.
CAC_ABSENCE_OF_ALMOND	The Absence of Almond mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_EGG	The Absence of Egg mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food

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	processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_MILK	The Absence of Milk mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CAC_ABSENCE_OF_PEANUT	The Absence of Peanut mark indicates that the product meets The Association quebecoise des allergies alimentaires (AQAA)'s Allergen Control (CAC) Mark of Conformity. This program is intended for the food processing industry and aims to establish uniformity in allergen control measures in processed foods so that people directly or indirectly affected by food allergies can purchase safer products.
CANADIAN_AGRICULTURAL_PRODUCTS	Products which are identified by the Canadian Agricultural Products (CAP) Act, e.g. dairy, eggs, fruits, vegetables, honey, maple, meat, poultry, fish. http://laws-lois.justice.gc.ca/eng/acts/c-0.4/page-6.html#h-8 .
CCA_GLUTEN_FREE	Gluten Free Certification Program is available to those manufacturers & brand owners who produce gluten-free products. Manufacturers must comply with regulations governing gluten-free claims as set out by the Canadian Government.
CCOF	California Certified Organic Farmers (CCOF) is a full-service organic certification agency and trade association passionate about being the leading voice for organic, and certifying, educating, advocating, and promoting organic.
CEBEC	CEBEC is a Belgian label for electrical low voltage (1,000 V). It indicates that compliance is met with the rules applicable to such equipment from the European Union (including the Low Voltage Directive).
CERTIFIED_ANGUS_BEEF	A package mark awarded to products that meet the certification criteria defined by Certified Angus Beef®
CERTIFIED_OE_100	The OE 100 standard is a chain-of-custody standard that gives third party verification to a final product containing a given amount of organically grown cotton.
COMPOSTABLE_ DIN_CERTCO	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH offers the certification of compostable products of biologically degradable materials and assigns for this the label developed by the European Bioplastics (formerly Interessengemeinschaft biologisch abbaubare Werkstoffe e.V.).
COSMEBIO	COSMEBIO is the Professional Association for Natural, Ecological and Organic cosmetics. COSMEBIO federates the professional players in the industry and brings together over 390 members in France and abroad. Since 2002, COSMEBIO has been working to promote natural and ecological cosmetics made with ingredients from organic farming and developed using green technologies (green chemistry). http://www.cosmebio.org/en/ .

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COTTON_MADE_IN_AFRICA	Cotton made in Africa is the first, and as yet the only initiative of the Aid by Trade Foundation. It improves the conditions of life of cotton farmers and their families in Africa, and contributes to environmental protection by promoting sustainable methods of cultivation.
CPE_SCHARREL_EIEREN	Eggs with this Dutch packaging mark are from chicken that are held according to certain quality standards.
CPE_VRIJE_UITLOOP_EIEREN	Eggs with this Dutch packaging Mark are from chicken that have the possibility for free range in open air.
CROSSED_GRAIN_SYMBOL	Crossed grain logo is a trademark owned and administered by Coeliac. It is a worldwide symbol for safe gluten-free foods. Each country has their own Coeliac website for example UK www.coeliac.org.uk
CSA_INTERNATIONAL	CSA International tests products for compliance to national and international standards, and issue certification marks for qualified products. Certification marks tell potential customers and users that a product has been evaluated by a formal process-inv.
DEMETER_LABEL	Demeter International trademark for products of certified biodynamic production. www.demeter.net
DLG_AWARD	DLG award in bronze, silver and gold. The DLG promotes product quality of foods on the basis of binding and impartial quality standards, based on current scientific findings and the recognised test methods it has developed. With its International Tests the DLG leads quality assessment in Europe and is accredited in accordance with international norms.
DOLPHIN_SAFE	The Earth Island Institute monitors tuna companies around the world to ensure the tuna is caught by methods that do not harm dolphins and protect the marine ecosystem.
DUURZAAM_VARKENSVLEES	"This label is awarded to farmers that comply with strict regulations for the well-being of both pigs and the environment. The compliance to these guidelines is reviewed yearly by independent certification bodies.
DZG_GLUTEN_FREE	The German Coeliac Society (Deutsche Zöliakiegesellschaft – DZG) was founded 1974. Today the DZG has more than 40,000 members. The aim is to help people with coeliac disease or with Dermatitis Herpetiformis Duhring. The organisation also try to increase the publicity of coeliac disease and to improve the living conditions for coeliacs in Germany.
EARTHSURE	Earthsure is the Ecolabel program of IERE. It provides environmental product declarations, or Environmental Product Declarations. Much like a nutrition label the EPD shows some or all of the following impacts: climate change, depletion of the stratospheric ozone layer, acidification of land and water sources & other impacts.
ECO_KREIS	Corresponds to printers and fax machines, for the health and environmental criteria audited by TÜV Rheinland: www.tuv.com.

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ECO_LABEL_LADYBUG	This is a Finnish label used by the Organic union, which represents the entire Finnish organic industry, consumers and producers in a common interest group. They work as a neutral voice in various working groups and consultations, and prepare position papers and presentations. The Federation also organizes training events and professional seminars. The Organic Federation also publishes the magazine Organic.
ECO_LOGO	Formerly known as Environmental Choice. North America's leading benchmark of environmentally responsible products and services.
ECOCERT_CERTIFICATE	ECOCERT is a certification body for sustainable development. Www.ecocert.com
ECOCERT_COSMOS_NATURAL	The COSMOS-standard certification was officially launched at the Biofach in February. The COSMOS-standard is a new cosmetic certification developed to harmonize various certifications and labels in order to create one standard that is internationally recognized for natural and organic cosmetics. The new certification is a result of Europe's leading natural cosmetic certifiers coming together and forming a non-profit association, COSMOS-standard AISBL. This code is to recognize natural products.
ECOCERT_COSMOS_ORGANIC	The COSMOS-standard certification was officially launched at the Biofach in February. The COSMOS-standard is a new cosmetic certification developed to harmonize various certifications and labels in order to create one standard that is internationally recognized for natural and organic cosmetics. The new certification is a result of Europe's leading natural cosmetic certifiers coming together and forming a non-profit association, COSMOS-standard AISBL. This code is to recognize organic products.
ECOGARANTIE	Ecogarantie is an international mark for ecological products. Ecogarantie has developed standards for cosmetics, personal care, washing- and cleaning products and salt. Consumers can rely on the fact that products with the Ecogarantie label, meet strict requirements whose goal it is to guarantee quality, safety and durability for generations to come. http://www.ecogarantie.com/en .
ECOVIN	The ecovin label certifies wines produced with ecological production methods based on the EU eco regulation.
EESTI_ OKOMARK	Estonian Eco Label: Ministry of Agriculture Ökomärk (Label of Organic Food) www.agri.ee
EESTI_PARIM_TOIDUAINE	Best Food Association of Estonia Food Industry http://www.toiduliit.ee/. An organisation that supports and promote Estonian food industry and economy, and contribute to a balanced and appropriate ethics to members of a favourable business environment for development.

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EKO	This symbol stands for organic production certified by Skal that meets the requirements of the EU-regulation for organic production. Skal is the inspection body for the organic production in the Netherlands.
ENEC	ENEC is a European high quality mark for lighting equipment and related products and stands for European Norms Electrical Certification. ENEC is an alternative to the national marks within the entire European Union. This mark eliminates a producer the need for a separate label in each individual country. Each European country there are 1 or more independent testing bodies that are appointed to issue the ENEC certification mark to a product.
ENERGY_STAR	ENERGY STAR is a voluntary government-backed program dedicated to helping individuals protect the environment through energy efficiency. The ENERGY STAR mark is the national symbol for energy efficiency, making it easy for consumers and businesses to identify high-quality, energy-efficient products, homes, and commercial and industrial buildings.
EPEAT_BRONZE	Electronic Product Environmental Assessment Tool
EPEAT_GOLD	Electronic Product Environmental Assessment Tool
EPEAT_SILVER	Electronic Product Environmental Assessment Tool
ERDE_SAAT	The label of Bioberband Earth & Seed indicates organic agriculture that interacts in a constructive and life-enhancing way with natural systems and cycles.
ERKEND_STREEK_PRODUCT	The Dutch mark Erkend Streekproduct indicates that the product and its ingredients come from a specific region. During production there has been attention for preservation and maintenance of characteristic values of the landscape and the environment.
EU_ECO_LABEL	The item is physically marked with the European Union Eco label a European environmental initiative supported by the European Commission.
EU_ENERGY_LABEL	The EU adopted the Directive 2010/30/EU on energy labels. Energy labels help consumers choosing products which save energy and thus money. They also provide incentives for the industry to develop and invest in energy efficient product design.
EU_ORGANIC_FARMING	The EU organic farming logo offers consumers' confidence about the origins and qualities of their food and drink and its presence on any product ensures compliance with the EU organic farming. See www.organic-farming.europa.eu.
FAIR_FOR_LIFE	Fair for Life Social & FairTrade Certification guarantees that human rights are guaranteed at any stage of production, that workers enjoy good and fair working conditions and that smallholder farmers receive a fair share. Fair trade improves the livelihood of thousands

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	of smallholder farmers and workers by providing the means for social community projects and empowerment of people.
FAIR_TRADE_MARK	The FAIR TRADE Mark certifies that products meet the social, economic and environmental International Fair trade Standards. The FAIR TRADE Mark is usually supported by a local Fair Trade Labelling Organisation and certifies products not companies. It does not cover the companies or organizations selling the product
FAIR_TRADE_USA	Fair Trade USA- The Fair Trade certification model is designed and audited to ensure equitable trade practices at every level of the supply chain. To earn a license from Fair Trade USA to use the Fair Trade Certified™ label on their products, companies must buy from certified farms and organizations, pay Fair Trade prices and premiums and submit to a rigorous supply chain audits. This process entails a high level of transparency and traceability in their global supply chains. Today, our partner companies range from small, mission-driven coffee roasters to some of the largest transnational corporations in the world.
FAIRTRADE_COCOA	The Fairtrade Cocoa Program enables companies to buy Fairtrade cocoa in bulk, for example all the cocoa they need to produce their chocolate bars, cakes and biscuits. Companies can also commit to purchase a percentage of their total cocoa as Fairtrade, such as 10%, 30% or even all the cocoa they need.
FAIRTRADE_COTTON	For an item to bear the FAIRTRADE Cotton Mark, that cotton is tracked all the way from farm to shop shelf: that makes it fully traceable, but it's a long, complex process. Companies can buy Fairtrade cotton in bulk, mixing it with other cotton and fibres as needed. That way they can really increase the amount of Fairtrade cotton they buy, to 10%, 20%, 40% of their business, or even more.
FAIRTRADE_SUGAR	The Fairtrade Sugar Program, businesses can buy this sugar on Fairtrade terms and use it in their manufacturing. It's a new way for businesses to commit to Fairtrade, alongside labelling and certifying end consumer products with the FARTRADE Mark.
FALKEN	Not Available
FEDERALLY_REGISTERED_INSPECTED_CANADA	Federally Registered/ Inspected in Canada
FINNISH_HEART_SYMBOL	The heart symbol to inform the consumer at one glance that the product marked with this symbol is a preferred choice in its product group with regard to fat and sodium. Finnish Heart Association www.sydanmerkki.fi
FLAMME_VERTE	Flamme Verte label was launched in France in 2000 by l'Agence de l'Environnement et de la Maîtrise de l'Energie (ADEME), and manufacturers of household appliances. Its mission: to promote the use of wood processing heating appliances of which the design responds to the most demanding quality in terms of fuel efficiency and emissions. In addition, Flamme verte provides assurance that its products are environmentally friendly by emitting very few fine particles.

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FOODLAND_ONTARIO	Foodland Ontario is a consumer promotion program of the Ontario Ministry of Agriculture and Food. It has partnered with producers to champion, promote and support the consumption of fresh Ontario produce and processed agricultural foods.
FOREST_STEWARDSHIP_COUNCIL_100_PERCENT	FSC is a global, not-for-profit organisation dedicated to the promotion of responsible forest management worldwide. The 100% label stands for products containing 100% material from FSC certified forests.
FOREST_STEWARDSHIP_COUNCIL_LABEL	The item is physically marked with the Forest Stewardship Council label.
FOREST_STEWARDSHIP_COUNCIL_MIX	FSC is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. Products with material from FSC certified forests , recycled materials or other controlled sources.
FOREST_STEWARDSHIP_COUNCIL_RECYCLED	FSC is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. The label stand for products containing only recycled material.
FOUNDATION_ART	The Foundation ART has the aim to increase the level of anti-theft prevention of two-wheeled vehicles (bicycles, mopeds, scooters and motor cycles). Anti-theft prevention of two-wheeled vehicles can be promoted by influencing social behaviour, registration and tracing, guarded shelters and anti-theft provisions. The activities of Foundation ART are focussed on (mechanical) anti-theft provisions. The Foundation ART promotes the safety provisions against theft by: •arranging requirements for mechanical security systems for two-wheeled vehicles •testing (by third parties) of systems for which an application for homologation was submitted •certification of approved products •promoting the use of approved mechanical security systems
FRANCE_LIMOUSIN_MEAT	France Limousin meat is meat that is constantly monitored from birth to slaughter. Every animal has it's own unique registration number and when exported is assigned an official certificate of origin.
FREILAND	The yellow triangle with the flower is only awarded to food and firms that adhere strictly to the principles of organic farming and beyond the highest standards of animal husbandry

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FRIEND_OF_THE_SEA	Friend of the Sea Approved Fisheries: - target stocks which are not overexploited - use fishing methods which don't impact the seabed, and - generate less than average 8% discards.
GAA	Gäa is a diverse farming association for farmers, processors and traders inside. Focal point is Germany. Gäa is a special design for the structure of the organic farming.
GASKEUR	Gaskeur is a hallmark of KIWA. The label is applied voluntarily in the Netherlands to boilers. It indicates the additional standards the installation complies with, above the legal requirements that the equipment must meet. It is an addition to the CE mark.
GASTEC	GASTEC QA (Quality Approved) is a quality mark for gas related products and is issued exclusively by KIWA. GASTEC QA not only makes the quality and safety of the product itself visible but also of the whole production process.
GENUSS_REGION_AUSTRIA	GENUSS REGION ÖSTERREICH is an initiative of the Agrarmarkt Austria Marketing GesmbH. and the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management. It stands for domestic and regional agricultural products and specialities.
GEPRUEFTE_SICHERHEIT	The Geprüfte Sicherheit ("Tested Safety") or GS mark is a voluntary certification mark for technical equipment. It indicates that the equipment meets German and, if available, European safety requirements for such devices.
GEZONDERE_KEUZE	Identifies basic staple products (such as fruit, milk, bread, etc.) that constitute a healthier choice for consumers because of their higher nutritional value in comparison to similar products according to the guidelines of the Dutch Wetenschappelijke Commissie. See: http://www.ikkiesbewust.nl/
GFCO	The Gluten-Free Certification Organization (GFCO) is a program of The Gluten Intolerance Group. GFCO's Scientific and Professional Board review the practices of GFCO. GFCO inspects products and manufacturing facilities for gluten. GFCO does not certify products for other potential allergens. The contents of this site are not intended as medical advice.

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GFCP	The Gluten-Free Certification Program (GFCP), Endorsed by the National Foundation for Celiac Awareness (NFCA)- The National Foundation for Celiac Awareness endorsed Gluten-Free Certification Program (GFCP) is a voluntary certification program designed to designate trusted gluten-free products in the marketplace by displaying the NFCA certification trademark. Based on a robust third-party audit certification process at the manufacturing facility, the GFCP verifies that the manufacturing process for a product regularly meets stringent requirements for managing gluten as part of their food safety programs. The GFCP is a North American solution, using a single process to certify products for distribution in the US and Canada.
GLOBAL_GAP	GLOBALG.A.P. is a private sector body that sets voluntary standards for the certification of production processes of agricultural (including aquaculture) products around the globe. The GLOBALG.A.P. standard is primarily designed to reassure consumers about how food is produced on the farm by minimising detrimental environmental impacts of farming operations, reducing the use of chemical inputs and ensuring a responsible approach to worker health and safety as well as animal welfare.
GLOBAL_ORGANIC_TEXTILE_STANDARD	The Global Organic Textile Standard (GOTS) ensure organic status of textiles, from harvesting of the raw materials, through environmentally and socially responsible manufacturing up to labelling in order to provide credible assurance to the consumer.
GMO_MARKED	The item is physically marked as of genetically modified origin.
GMP_CERTIFIED	Good Manufacturing Practices (GMP) introduces a management systems approach to documenting and regulating the production, control, storage, and shipment of products. For example in 2011, the World Health Organization updated GMP requirements in the good manufacturing practices standard (WHO TRS 961, 2011 for certification of Pharmaceuticals). WHO has also created GMP processes for other product types. Also FDA and other organisations.
GMP_ISO_22716	Good Manufacturing Practices (GMP) introduces a management systems approach to documenting and regulating the production, control, storage, and shipment of products. ISO standard 22716 is for cosmetic products that are manufactured according to Good Manufacturing Practices (GMP).

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GOOD_HOUSEKEEPING	Good Housekeeping maintains good taste and exercises strict editorial judgment as to products that are eligible for Good Housekeeping's limited warranty to consumers. Good Housekeeping bestows its limited warranty Seal on those products that have been evaluated by the Good Housekeeping Institute and been assessed to perform as intended. These judgments are the basis of the Good Housekeeping Consumers' Refund Policy.
GOODS_FROM_FINLAND_BLUE_SWAN	http://www.finfood.fi/ Finfood Suomen Ruokatieto Ry
GRASKEURMERK	This label is awarded by the Stichting Gras Keurmerk to manufacturers of both vegetable and animal products who comply with the Dutch guidelines for pasturing and agriculture (Normering Grasdier Landbouw). These guidelines establish that cattle/animals are to be kept at stables with enough space and are allowed to go outside daily. Under these guidelines, crops are to be grown using animal fertilizer and with very limited use of other substances.
GREEN_DOT	Not Available
GREEN_RESTAURANT_ASSOCIATION_ENDORSED	The item is physically marked with the Green Restaurant Association Endorsed symbol.
GREEN_SEAL_CERTIFIED	The item is physically marked with the Green Seal Certified symbol.
GREEN_SEAL	An independent, non-profit organisation that strives to achieve a healthier and cleaner environment by identifying and promoting products.
GREEN_STAR_CERTIFIED	Green Star Certified- "GMO FREE CERTIFIED™ brand program certifies producers have provided laboratory results that their produce or products are GMO Free. The United States does not mandate GMO Free labelling or even recommend labelling, however producers want to provide peace of mind their produce and products are GMO free with the trusted GMO FREE CERTIFIED™ seal. Green Star Certified allows these same producers and manufactures to participate in the "GMO FREE CERTIFIED™" program by having there produce, seeds, feed and processed food tested by leading independent genetic testing laboratories. Once their products meet and maintain the Green Star Certified standards/threshold these producers can place the GMO FREE CERTIFED™ brand on their marketing and product labels.
GROEN_LABEL_KAS	"This label is awarded to companies which use environment-friendly greenhouses. These greenhouses are to be set up according to strict regulations which aim to ensure the impact of the environment remains at a minimal level (less water and energy waste, no chemical waste).
GUARANTEED_IRISH	Ireland: The Guaranteed Irish symbol makes shopping for Irish products and services a lot easier. Shoppers know that when they buy a product or service featuring the guaranteed Irish logo they are supporting Irish companies and safeguarding Irish jobs.

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	http://www.guaranteedirish.ie/
HALAL_CORRECT	The standard HALAL CORRECT is a standard quality and guarantees the Halal conformity of the whole chain, from slaughtering until the packaging of the Halal products.
HALAL_PLUS	The standard HALAL PLUS is high-quality Halal, certified by the Foundation Halal Correct and biologically certified by SKAL.
HEALTH_CHECK	Specifies if product has been certified by Canadian Heart & Stroke Health Check Program.
HEUMILCH	ARGE Heumilch Milk production of "hay milk" is the most natural form of milk production. Products that use "Hay Milk" in their production are awarded the certification label. Hay milk is milk that no animals feed from food that is from silage (fermented feed) is produced. The feeding is the natural course of the year: summer up to 50 different types of grasses and herbs in the meadows, pastures and meadows. In winter, the animals are fed with hay and grain meal, are just some examples of the guidelines. Heumilch from Austria is made according to a strict regulations. This is monitored by independent authorities. The AMA seal of approval guarantees 100% Austrian raw materials. http://www.heumilch.at/ .
ICADA	"The ICADA (International Cosmetic and Detergents Association) mark makes it for the consumer visible that only raw materials were used for the production of organic and natural cosmetics, which conform to the strict requirements. http://www.icada.eu/. "
ICEA	ICEA (Instituto Certicazione Etica e Ambientale, Environmental and Ethical Certification Institute) is a Consortium that control and certifies companies that carry out their activities in respect of people and nature, defending workers dignity and rights of consumers. ICEA is among most important bodies of the sector in Italy and in Europe, where it operates to favour a fair and socially sustainable development that ranges from organic farming to other bio related sectors. http://www.icea.info/en/.
ICELAND_RESPONSIBLE_FISHERIES	The Iceland Responsible Fisheries logo indicates Icelandic origin of fish catches in Icelandic waters and responsible fisheries management.
IFOAM	International Federation of Organic Agriculture Movements (IFOAM) Accreditation is primarily a means of ensuring fair and orderly trade of organic products. It is in this sense a service for the trade and producers as well as for certifiers. IFOAM Accreditation facilitates equivalency of organic certification bodies worldwide by confirming whether they meet IFOAM's international norms.
IFS_HPC	IFS Standards help to comply with all legal food and non-food safety and quality requirements and give common and transparent standards to all concerned suppliers and service providers as well as a concrete and strong answer to the high safety and quality expectations of customers.
IHTK_SEAL	Cosmetics according to the guidelines of the German Society for the Prevention of Cruelty to Animals (Deutscher Tierschutzbund e. V.) The German Society

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	for the Prevention of Cruelty to Animals and the International Manufactory Association against Animal Testing in Cosmetics (IHTK e. V.) carry on their consequent work against animal testing in 2001 http://www.ihtk.de/ihtk-en.htm.
IKB_EIEREN	IKB egg is a Dutch quality system for the production of eggs.
IKB_KIP	The Product Board for Poultry and Eggs has registered the IKB Chicken quality mark with the Benelux Trademarks Office, for the purpose of recognisability of rigorously inspected, quality poultry meat, produced and handled in conformity with the regulations of the IKB Chicken certification scheme stipulated by the management of the Product Board for Poultry and Eggs.
IKB_VARKEN	Products produced within the Dutch quality system IKB pig come from companies that are checked with regard to their use of animal feed, use of animal medication, hygiene and transportation.
INSTITUT_FRESENIUS	This INSTITUT FRESENIUS Quality Seal on a package, certify, that this item is a quality product that consumer can trust in. That's because Fresenius thoroughly examine products, that indicates it is high-class quality. The main focus on food products and related cooking products.
INT_PROTECTION	The IP Code (International Protection Rating, sometimes called Ingress Protection) on electrical appliances is an indication of the degree of protection of the design of electrical and electronic equipment against internal damage in "hostile environments" and against any danger to the user. The IP designation is internationally standardized in IEC 60529. The IP designation has two numbers: the first indicates the degree of protection against contact and ingress of objects, the second indicates the degree of protection against moisture. Companies can use their own logo.
ISEAL_ALLIANCE	ISEAL is the global association for sustainability standards. They develop guidance and facilitate coordinated efforts to improve their members' effectiveness and scale up their social and environmental impacts.
IVN_NATURAL_LEATHER	"Naturleder" is an IVN (Internationaler Verband der Naturtextilwirtschaft e. V.) standard. This is the only standard for eco-friendly leather products in Europe. All products certified with this standard offer a high level of ecology and quality.
IVN_NATURAL_TEXTILES_BEST	This IVN (Internationaler Verband der Naturtextilwirtschaft e. V.) quality seal, well known within Europe, currently sets the strictest ecological standard for textile production at the highest technical level currently feasible. BEST reflects the standards for eco-friendly textiles developed by the International Association of Natural Textile Industry (IVN) since 1990 and reviews the entire textile production chain both in terms of ecological standards and in terms of social accountability.
JODSALZ_BZGA	The "Jodsiegel" were built up by the Federal Centre for Health and Education (BZgA) on behalf of the Federal Ministry of Health. The seal is provided on packages of products by the food manufacturer, when the products made with iodized salt. With the help of the label,

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	consumers can see the use of iodized salt directly. The logo is part of a series of awareness campaigns BZgA together with the Arbeitskreis Jodmangel (working group of iodine deficiency), which aim to make the use of iodized salt to a rule.
KABELKEUR	Kabelkeur is the quality mark for television and television cables, splitters and amplifiers and is an initiative of the industry association of the Dutch NLkabel cable companies. The purpose of this label is to increase the quality of television and television accessories.
KAT	KAT is a supervisory body in hen rearing and provides for quality and traceability in egg production. The required standards by KAT go beyond the legal requirements of organic, floor and free-range rearing. They are controlled by accredited European examining institutes.
KEMA_KEUR	KEMA quality mark is a household name in the Netherlands and is based on international standards for electrical safety. It is recognized throughout Europe.
KIWA	The KIWA quality mark applies mainly to the (construction) technical qualities of a product and, depending on the product, environmental aspects . The KIWA label is mainly reflected on products from the construction sector, specially from the drinking water supply such as pipes, fittings and faucets.
KOMO	The KOMO-quality mark is a collective mark of quality with a focus on products in the construction and installation sector and requires quality, environmental and safety aspects for the Dutch market. The trademark KOMO covers several quality marks for specific sectors (KOMO- reduction, KOMO install and KOMO climb-label). The Foundation KOMO manages the labels and the KOMO-quality certificates are submitted by certification settings.
KRAV_MARK	KRAV Label
KVBG_APPROVED	The Royal Association of Belgian Gas companies (ARGB) unites the natural gas suppliers and distribution system operators who are active in Belgium. The Association's role is to ensure the safety and good functioning of natural gas lands as well as to promote a good image for the use natural gas.
LABEL_OF_THE_ALLERGY_AND_ASTHMA_FEDERATION	Allergy and Asthma Federation is a non-profit public health organisation. Our aim is to improve quality of life of the allergy and asthma patients. http://www.allergia.fi/in-english/
LABEL_ROUGE	Label Rouge products guarantee that the poultry and eggs you purchase are superior to standard products because they are produced using traditional, free-range farming methods that ensure the poultry's welfare and protect the environment.
LACON	Lacon Institute stands for the assurance of quality and the certification of organically produced food.
LAENDLE_QUALITAET	The logo stands for regional and domestic products which are produced, processed and prepared in a given geographical area using recognised quality standards. Only local products with 100 percent guarantee of origin are given this seal. It is given not

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	only the green Ländle brand products but also other products that keep clearly defined in writing and retained quality guidelines.
LEAPING_BUNNY	The Coalition for Consumer Information on Cosmetics' (CCIC) Leaping Bunny Program administers a cruelty-free standard and the internationally recognized Leaping Bunny Logo for companies producing cosmetic, personal care, and household products. The Leaping Bunny Program provides the best assurance that no new animal testing is used in any phase of product development by the company, its laboratories, or suppliers. See also www.leapingbunny.org
LGA	According to the LGA (Landesgewerbeanstalt Bayern) directive, checks are done on security, features, usability, performance, electromagnetic compatibility (EMC) and hygiene of various products. The LGA has become part of TÜV, this quality mark is therefore issued by TÜV.
LOODUSSOBRALIK_TOODE_ESTONIA	Eco-friendly product The sign "eco-friendly product" is designed to make environmentally friendly products on store shelves more as significant. When it comes to food shall be used for agriculture, natural farming methods. No use of mineral fertilizers, insect control and plant poisons. http://www.stockmann.ee/portal/7765/
LOVE_IRISH_FOOD	Love Irish Food - a promotional label printed on the product packaging to indicate to the consumer that the food is manufactured in Ireland using Irish ingredients. http://www.loveirishfood.ie/
LVA	the Lebensmittel Vertrauen Analsen LVA is ISACert ISACert Austria as partner of the globally successful certification company. ISACert the leading certifier is in the area of food safety.
MADE_IN_FINLAND_FLAG_WITH_KEY	Made in Finland Products that are made in Finland Avainlippu (Key Flag) Suomalaisen Työn www.avainlippu.fi
MARINE_STEWARDSHIP_COUNCIL_LABEL	The MSC is the world's leading certification and ecolabelling program for sustainable seafood. Look for the blue MSC ecolabel when shopping or dining out. The item is physically marked with the Marine Stewardship Council label.
MAX_HAVELAAR	Fair trade symbol used in the Netherlands Target Market awarded to manufacturers which contribute to improving the living and working conditions of small farmers and agricultural workers in disadvantaged regions.
MEHR_WEG	Mehrweg platform for the promotion of Austrian refillable beverage containers and returnable transport packaging. In addition to the website as an information centre and forum for discussion mehrweg.at is targeted lobbying activity for reuse systems.
MILIEUKEUR	Products and services with Milieukeur are produced with a lower impact on the environment and respect for working conditions, animal welfare and food safety. This is applicable for the Dutch market.

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MPS_A	MPS-A is an environmental registration certificates. The qualification is awarded to participants who record their usage of crop protection agents, fertilisers, energy and waste. The qualification MPS-A stands for most environmentally-friendly cultivation. The qualifications MPS-B, MPS-C and MPS-D also exist depending on the earned points.
MUNDUSVINI_GOLD	The "GOLD" award of the Great MUNDUS VINI International Wine Awards. At least 90 points must be achieved in the judging of the wines by the international jury. Only the wines achieving the highest number of points in this range will receive the gold medal. This means that the minimum number of points required for this award may be higher.
MUNDUSVINI_SILVER	The "SILVER" award of the Great MUNDUS VINI International Wine Awards. At least 85 points must be achieved in the judging of the wines by the international jury. Only the wines achieving the highest number of points in this range will receive the gold medal. This means that the minimum number of points required for this award may be higher.
MY_CLIMATE	The non-profit foundation myclimate – The Climate Protection Partnership, is an international initiative with Swiss origins. Founded in 2002 as an ETH Zurich spinoff, myclimate is among the world leaders when it comes to voluntary carbon offsetting measures.
NATRUE_LABEL	The NATRUE Label guarantees that the products that carry it are made only with natural and organic ingredients, through soft manufacturing processes and environmentally friendly practices. The NATRUE Label is awarded by NATRUE, a non-profit organisation committed to promote and protect high standards of quality and environmental integrity. See: http://www.natrue.org/home/
NATUREPLUS	Natureplus is the international label of quality for all building and accommodation products, which provides an orientation towards sustainability for all those involved in the building process. Products which carry this label are characterised by their high level of quality in the areas of health, the environment and functionality.
NATURLAND	Naturland promotes organic agriculture the world over and its 53,000 members make it one of the major organic farming associations. As a forward-looking association, Naturland attributes the same importance to issues of social responsibility as to organic expertise.
NATURLAND_FAIR_TRADE	Naturland established in 2005 with its social standards. It now has erected a third pillar of sustainability to provide added support to our organic association's holistic concept: International partners can apply for certification to Naturland for fair trade standards in the course of their annual organic inspection. http://www.naturland.de/fairzertifizierung.html.
NDOA	Nevada Department of Agriculture (NDOA) - The Nevada Organic Certification Program provides assurance to consumers who purchase organic products by verifying that products were grown and handled according to USDA National Organic Program standards. The program also benefits Nevada's agricultural producers and handlers by providing an in-state organic certification service which allows eligible operations to market agricultural products as "organic".

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NEULAND	The Neuland logo marks meat and meat products which have humane and environmentally friendly livestock origin. The high demands of the marking based on guidelines, which include among others criteria on housing, feeding and transporting the animals. The seal was founded in 1988, by the Verein für tiergerechte und umwelt-schonende Nutztierhaltung e. V. Sponsors by BUND and the Arbeitsgemeinschaft Bäuerliche Landwirtschaft.
NF_MARQUE	The NF mark is a French collective certification mark. It guarantees the quality and safety of the products and services certified. The NF mark guarantees compliance not only with current standards, but also with additional quality criteria that meet consumers' needs.
NON_GMO_PROJECT	The Non-GMO Project is a non-profit organisation committed to preserving and building the non-GMO food supply, educating consumers, and providing verified non-GMO choices. The verification seal indicates that the product bearing the seal has gone through the Non-GMO Project verification process. Verification is an assurance that a product has been produced according to consensus-based best practices for GMO avoidance.
NPA	Natural Products Association (NPA) - The Science and Regulatory Affairs Department at NPA oversees the TruLabel® program and is charged with implementing education and certification programs—third-party certified good manufacturing practices (GMPs) for all supply members.
NSF	National Standards Foundation (NSF) accredited third-party certification provides all stakeholders – industry, regulators, users and the general public – assurance that a certified product, material, component or service complies with the technical requirements of the referenced standard. The NSF certification process is specific to the product, process or service being certified and the type of certification.
NYCKELHALET	The green key hole is to be put on the healthy foods in Sweden, Denmark, and Norway within certain product groups in order to make it easier for the customers to make a healthy choice. http://www.norden.org/
OCIA	Organic Crop Improvement Association (OCIA) International provides certification services to thousands of organic farmers, processors and handlers in North, Central and South America, and Asia.
OEKO_CONTROL	ÖkoControl is a subsidiary of the Europäischen Verbands ökologischer Einrichtungshäuser e.V., in which about 50 ecologically engaged furniture dealers have joined forces. The objective of this eco-leading group is to provide consumers, retailers and manufacturers with more safety in a healthy living. With ÖkoControl the association has created a powerful tool to control the products offered.
OEKO_KREISLAUF	Ökologischer Kreislauf Moorbad Harbach The label marks agricultural products grown organically that progress towards an entire organic production chain, which is both socially just and ecologically responsible.
OEKO_QUALITY_GUARANTEE_BAVARIA	Öko Qualität Garantiert Bayern is for products of organic farming origin in Bavaria a regional eco-label organic quality guaranteed Bavarian. This is maintained by Bayerisches Staatsministerium für Ernährung, Landwirtschaft und Forsten (StMELF)

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OEKO_TEX_LABEL	Confidence in textiles – this has been the motto of the independent test institutes of the International Oeko-Tex® Association since 1992, with their tests for harmful substances according to Oeko-Tex® Standard 100 for textile products of all types which pose no risk whatsoever to health. See www.oeko-tex.com
OFFICIAL_ECO_LABEL_SUN	Luomo Sun Sign Denotes controlled organic production. The official label of the Finnish inspection authorities; owned by the Ministry of Agriculture and Forestry. http://opetus.ruokatieto.fi/
OHNE_GEN_TECHNIK	VLOG controls the “Ohne GenTechnik” product seal --(GM-free, produced without genetic engineering). The “Ohne GenTechnik” seal enables consumers to choose foods that have been produced without genetic engineering and to support GM-free agriculture.
OKOTEST	Ökotest is a magazine that tests product for of the health risks, side effects environmental impact. They issue labels to products which have passed their tests for safety and publish results in their magazine.
ORBI	ORBI Organic Bio is a community of farmers to enhance organic agriculture and is the pioneer group of organic-organic farming in Austria.
ORGANIC_100_CONTENT_STANDARD	The Organic Content Standard (OCS) relies on third-party verification to verify a final product contains the accurate amount of a given organically grown material.
OZONE_FRIENDLY_GENERAL_CLAIM	A mark or label on a trade item communicating that the trade item itself, associated production processes and/or packaging do not produce gases that are harmful to the ozone layer during the trade item’s entire life cycle. There is currently no standard definition for the term. There is no organisation independently certifying this claim. The producer or manufacturer decides and self-declares to use the claim and is not free from its own self-interest.
PCO	Pennsylvania Certified Organic (PCO) is a USDA-accredited organic certifying agency that educates and certifies growers, processors and handlers of organic crops, wild crops, livestock and livestock products in Pennsylvania and adjoining states.
PEFC	Programme for Endorsement of Forest Certification (PEFCC_ is an international non-profit, non-governmental organisation dedicated to promoting Sustainable Forest Management (SFM) through independent third-party certification
PEFC_CERTIFIED	PEFC Programme for the Endorsement of Forest Certification Schemes PEFC Certified: at least 70% of wood from PEFC-certified forests that meets or exceeds PEFC’s Sustainability Benchmark requirements and recycled material; and wood from controlled sources. The overall content of recycled material shall not be higher than 85%. Where the product does not include recycled material, the label claim shall be used without the world 'recycled'.
PEFC_RECYCLED	PEFC Programme for the Endorsement of Forest Certification Schemes PEFC Recycled at least 70% PEFC certified material from recycled sources; and wood from controlled sources.

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PET_TO_PET	PET to PET stands for a company responsible for the recycling of PET bottles.
PRODERM	proDERM address manufacturers of high quality products who do not fear an intense test. To meet qualification a the formula must meet current dermatological and toxicological standards. And the product must have been tested in two independent studies. These would usually be a consumer orientated study (i. e. a Use-test in which the products are self-applied at home) and a tolerability study (a patch test appropriate for the product).
PROTECTED_DESIGNATION_OF_ORIGIN	The Protected designation of origin is the name of an area, a specific place or, in exceptional cases, the name of a country, used as a designation for an agricultural product or a foodstuff, the entire product must be traditionally and ENTIRELY manufactured (prepared, processed AND produced) within the specific region and thus acquire unique properties. Protected Geographical Status (PGS) is a legal framework defined in European Union law to protect the names of regional foods.
PROTECTED_GEOGRAPHICAL_INDICATION	The Protected geographical indication is the name of an area, a specific place or, in exceptional cases, the name of a country, used as a description of an agricultural product or a foodstuff, the entire product must be traditionally and at least PARTIALLY manufactured (prepared, processed OR produced) within the specific region and thus acquire unique properties. Protected Geographical Status (PGS) is a legal framework[1] defined in European Union law to protect the names of regional foods.
PROTECTED_HARVEST_CERTIFIED	The item is physically marked with the Protected Harvest Certified symbol.
PROVEN_QUALITY_BAVARIA	The quality label "Geprüfte Qualität Bayern" is featuring agriculture and food industry of Bavaria. Support of the sign by the State of Bavaria, represented by the Bavarian State Ministry for Food, Agriculture and Forestry. The Ministry decides on the granting of licenses. The aim of the quality label is agricultural produce economic and nutritional products of high quality.
PUHTAASTI_KOTIMAINEN	Seed leaf flag indicates vegetables, berries and flowers of Finnish origin. Its license is granted and monitored by the Finnish Horticultural Products Society. Products will be first-class quality and from environmentally friendly farming. Product quality is also monitored in stores. Vegetable products in connection with any vegetable raw material must be Finnish. www.sirkkalehti.fi
QAI	Quality Assurance International (QAI) is a leading USDA-accredited organic product certifying agency. QAI is an active leader in the organic industry, advocating for high integrity organic. QAI is committed to ensuring organic integrity at every link in the organic production chain and providing excellent customer service, domestically and internationally. QAI is a member of the NSF International family of companies.

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	NSF is a global leader in public health and safety. QAI's certification programs are designed to provide certification services throughout the supply chain. QAI certification assures compliance with organic standards for: agricultural producers, food processing facilities, integrated manufacturing operations, contract packing operations, traders, distributors, retailers, and ultimately consumers.
QS	QS is a quality assurance scheme for fresh foodstuffs that involves all participants in the food industry – from farm to shop. By inspecting and integrating the entire supply chain, the QS certification mark creates the basis for increased food safety and well-founded trust from the consumers.
QUALITY_MARK_IRELAND	Control IMO Organic farming is an alternative, environmentally friendly method of food production. It forbids the use of chemicals and requires production methods that respect animal welfare and do not damage the environment. The term ‘organic’ can only be used on food labels in Ireland if the food product meets strict Irish and EU organic standards and is licensed by an approved certification body.
QUALITY_RHOEN	The logo represents the regional Rhön products. The products with this sign has a regional origin and quality of agricultural products and services on the basis of criteria the partially extend beyond legal requirements and came from this typical area.
RAINFOREST_ALLIANCE	The item is physically marked with the Rainforest Alliance Certified symbol.
RAL_QUALITY_CANDLES	This RAL (Reichs-Ausschuss für Lieferbedingungen) quality mark indicates, that the trade item complies with the standard of the of the Quality Association for Candles in terms of raw materials, burning duration and burning behaviour. Compliance with these standards is monitored by DEKRA Umwelt GmbH.
RECUPEL	Recupel strives in Belgium for a better environment through optimal recovery of materials from waste of electrical devices. Recupel ensures that waste of electrical appliances are collected and processed in a sustainable and cost-effective manner.
RECYCLABLE_GENERAL_CLAIM	A generic Recycling codes are used to identify the material from which an item is made, to facilitate easier recycling or other reprocessing. Multiple agencies use this design.
REGIONALFENSTER	Products that bear the "Regionalfenster" for food, ensure greater transparency. Consumers can identify with the logo at a glance which foods actually come from the region indicated on the packaging. This gives consumers a nationwide uniform and reliable identification of regional products. The initiative was started by Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz (BMELV).
REGIONALTHEKE_FRANKEN	The logo "Regionaltheke Franken" identifies products by Frankish farmers and documented to be of regional origin and quality of agricultural products and services in this area. The quality criteria go in relation to the proof of origin partly legal specifications as well. The logo is pursuing a criteria and control system for regional products with the involvement of the Bundesverbands der Regionalbewegungen.

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RHP	This quality mark is managed by the Foundation RHP. RHP optimizes and secures the quality of peat products, raw materials, potting soil compositions, substrates, soil supply and soil improvers.
SCHARRELVLEES	A symbol used in the Netherlands Target Market intended for meat based products which guarantees that the animals has been growth without the use of antibiotics.
SCHLESWIG_HOLSTEIN_QUALITY	The label of the Chamber of Agriculture Schleswig-Holstein. All foods with this award are reviewed several times during a year by independent laboratories. Since product quality is closely linked to the process quality, the laboratories are testing the overall business as well. Through these measures, the requirements are met in terms of quality and taste of the label products.
SGS_ORGANIC	SGS Our services enable companies to operate in a more sustainable manner by improving quality and productivity, reducing risk, verifying compliance and increasing speed to market.
SKG_CERTIFICATE	SKG is the independent institute in the Netherlands for testing and certification for the building industry.
SLG_CHILD_SAFETY	SLG Sächsische Landesgewerbeförderungsgesellschaft mbH Distinguishes products that protect children from danger or indicates that no danger for the children comes from the product .
SLG_TYPE_TESTED	The SLG (Sächsische Landesgewerbeförderungsgesellschaft mbH) Testing and Certification GmbH is a family-owned company. Industrial enterprises, commercial, private and public clients appreciate our neutral and independent services. We offer our customers a comprehensive range of testing and inspection services.
SLK_BIO	SLK GmbH The aim of organic agriculture is to fulfil standards which emphasise careful processing methods, limited refining, energy saving technologies, minimal use of additives and processing aids etc.
SOIL_ASSOCIATION_ORGANIC_SYMBOL	The Soil Association Organic Symbol is a symbol used in the UK to show that products meet a strict set of organic standards that protect health, sustainability and the environment.
STIFTUNG_WARENTEST	A consumer test organisation was founded in 1964 by decision of the German Bundestag to the consumer through the comparative testing of goods and services to provide independent and objective assistance.
STOP_CLIMATE_CHANGE	AGRA-teg agricultural and Umwelttechnick GmbH is a spin-off undertaking of the University of Goettingen and criteria according to strict scientific carries out the survey of emissions from a product line or from a company as a whole.
SUS	The pork-labelling system "sus" makes it possible for consumers to pursue the path of the product without a long investigation. Sus stands for the traceability from birth to slaughter of pork.
SUSTAINABLE_FORESTRY_INITIATIVE	SFI Inc. is an independent, non-profit organisation responsible for maintaining, overseeing and improving a sustainable forestry certification program that is internationally recognized and is the largest single forest standard in the world.

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SUSTAINABLE_PALM_OIL_RSPO	In response to the urgent and pressing global call for sustainably produced palm oil, the Roundtable on Sustainable Palm Oil (RSPO) was formed in 2004 with the objective of promoting the growth and use of sustainable oil palm products through credible global standards and engagement of stakeholders. http://www.rspo.org/"
SVANEN	The swan is the Nordic environmental label. It was established by the Nordic Council of Ministers in 1989 and Denmark joined in 1997. The Swan is used in all Nordic countries, i.e. Denmark, Norway, Sweden, Finland and Iceland.
SVENSK_FAGEL	From the year 2006 include all Swedish chicken and turkey that is part of Swedish Bird with a clear blue and yellow markings The Swedish Poultry Meat Association represents 99 % of all broilermeat production in Sweden. They represent the total logistic chain i e from import of day-old Grand-Parent chickens to the slaughter plants. The hatcheries, growers and feed-companies are also members. The Blue and Yellow origin mark guarantees that the chicken is hatched, reared, slaughtered and processed in Sweden.
SVENSKT_KOTT	The brand Swedish meat is a voluntary origin labelling. The mark indicates that the meat product derived from animals that were born and raised in Sweden. The product is also manufactured and packaged in Sweden. The mark may be used on meat and meat products derived from raw pork, beef and lamb. The trade organisation Swedish meat is a brand independent organisation that develops, manages and controls the voluntary origin labelling Swedish meat.
SWEDISH_SEAL_OF_QUALITY	The item is physically marked with the Swedish Seal of Quality label which intends to guarantee the responsibility for the environment of the product.
TCO_DEVELOPMENT	A Swedish company that certifies products and services to provide a better environment.
TIERSCHUTZBUND	The logo "for more animal welfare" indicates supermarket meat that comes from animals from conventional attitude, but were held in better conditions than those required by the law. The intention of this logo is to close the gap between industrial animal husbandry and meat from organic farms.
TNO_APPROVED	TNO awards the TNO label to various products in the Netherlands which meet high standards of sustainable innovation.
TOOTHFRIENDLY	A symbol to indicate the product is safe to teeth, non-cariogenic and non-erosive by the Institutes licensed by Toothfriendly International.
TRADITIONAL_SPECIALTY_GUARANTEED	The Traditional specialty guaranteed is a trademark for an agricultural product or a foodstuff, which has a certain feature or a set of features, setting it clearly apart from other similar products or foodstuffs belonging to the same category. The product or foodstuff must be manufactured using traditional ingredients or must be characteristic for its traditional composition, production process, or processing reflecting a traditional type of manufacturing or

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	processing.
TUEV_GEPRUEFT	German label for food safety. The TÜV SÜD as a recognized, neutral testing agency, with its mark both for trading partners and consumers is an important decision-making aid.
TUNNUSTATUD_EESTI_MAITSE	Approved Estonian Taste - Quality/Tradition/Origin/Traceability for Estonian products. All raw materials must be 100% Estonian. Estonian Chamber of Agriculture and Commerce
TUNNUSTATUD_MAITSE	Approved Taste label (designed as a barn swallow) denoting Estonian origin and high quality was introduced. This label has been given to products for Food quality and safety. Estonian Chamber of Agriculture and Commerce (ECAC) www.epkk.ee
UMWELTBAUM	Conformity with Umweltbaum (The Environment Tree)'s standard is verified by an independent organisation (third party): • Applicable life cycle and supply chain phases • Social and environmental attributes • Mutual recognition with other ecolabels • Standard details, including standard document, review frequency.
UNDERWRITERS_LABORATORY	The source across the globe for product compliance.
UNIQUELY_FINNISH	Uniquely Finnish http://www.maakuntienparhaat.fi/en/ The Uniquely Finnish label is a national quality label for small entrepreneurs. ProAgria Association of Rural Advisory Centres grants the label to qualified foodstuff, handicraft and rural tourism companies based on applications.
UNSER_LAND	The regional seal ""Unser Land"" (Our Country) documented regional origin and quality of agricultural products and services based on criteria that go beyond legal requirements. They take into account the strengthening of regional economic cycles in cooperation with all relevant actors work towards a common good regional solidarity economy.
USDA	US Department of Agriculture
USDA_ORGANIC	The U.S. Department of Agriculture has put in place a set of national standards that food labelled products must meet, whether it is grown in the United States or imported from other countries. Organic foods are produced without using most conventional pesticides; fertilizers made with synthetic ingredients or sewage sludge; bioengineering; or ionizing radiation. http://www.usda.gov/wps/portal/usda/usdahome .
UTZ_CERTIFIED	A certification which is intended to assure the social and environmental quality in the production of coffee, tea, cocoa beans, palm oils and other commodities. Products made with these ingredients may be marked with this certification.
VAELG_FULDKORN_FORST	Grain based foods (bread, breakfast products, baking articles etc.) which have got a high content of whole grain will be puffed with a nutritional puff from the

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	beginning of 2009: Please choose whole grain first! Denmark http://www.fuldkorn.dk/
VDE	VDE stands for "Verband der Elektrotechnik, Elektronik und Informationstechnik". This German Institute tests and certifies electrical equipment, components and systems and is like Dutch KEMA-quality mark.
VDS_CERTIFICATE	VdS (Vertrauen durch Sicherheit) is an independent and recognized German inspection and certification agency for fire and burglary. Whether it is a safe in a company, a sprinkler system in a production hall or a smoke detector in a house: VdS examines to the smallest detail.
VEGAN_AWARENESS_FOUNDATION	The Vegan Awareness Foundation (Vegan Action) administers the “Certified Vegan” Logo, an easy-to-recognize trademarked symbol. The Logo is a registered trademark, similar in nature to the “kosher” mark, for products that do not contain animal products or byproducts and that have not been tested on animals. Companies must submit and have approved by the Vegan Awareness Foundation that acceptable steps are taken to thoroughly clean and sanitize all surfaces, vessels, utensils and machinery used between vegan and non-vegan production cycles to minimize cross-contamination if shared machinery is used.
VEGAN_SOCIETY_VEGAN_LOGO	The Vegan logo is a registered trademark and is a symbol of our Vegan 'Animal-free' Standards . It appears on thousands of animal free products, and is displayed by catering businesses, that have been registered with The Vegan Society.
VEILIG_WONEN_POLITIE_KEURMERK	The Dutch "Politie Keurmerk Veilig Wonen" quality mark focuses on the prevention of intrusion in homes or buildings. The quality mark is given to locks by means of stars in which the burglar resistance is specified in minutes. Incidentally this label covers not only locks but also mirrors, smoke detectors and lighting fixtures.
WEIDEMELK	A certification given in the Netherlands to dairy products made from milk produced by cattle (bovine) that is allowed to roam free in the pasture for at least a minimum of 120 days in a year.
WHOLE_GRAIN_COUNCIL_STAMP	Canadian products must contain at least 8 g of whole grain per serving to bear the Whole Grain Stamp. All requirements for using the Basic Stamp are the same in the U.S. and in Canada.
WSDA	Washington State Department of Agriculture Organic Food Program, Washington State Department of Agriculture Organic Food Program (WSDA) Organic Food Program The WSDA Organic Food Program, a USDA-accredited certifier, upholds the integrity of the organic label through certification and inspection of organic crop and livestock producers, processors, handlers and retailers. Whether you are looking to market your organic product at home or abroad, WSDA offers certification services to meet your needs.
WWF_PANDA_LABEL	Products that support the WWF http://www.worldwildlife.org/

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ZELDZAAM_LEKKER	This label is awarded to companies that support (through their products or services) the preservation of rare or uncommon cattle and animal sorts.

6.153. Packaging Material Applied Process Code

GS1 Code List	PackagingMaterialAppliedProcessCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CHEMICALLY_HARDENED	The material has been treated to have additional resistance to deformation or change.
COMPRESSED	The material has been subjected to compressive stress which results in reduction of volume as compared to an uncompressed but otherwise identical state.
INJECTION_MOULDED	The material was manufactured by injection moulding, which consists of feeding the material into a heated barrel, mixed, and forced into a mold cavity where it cools and hardens to the configuration of the cavity.
INSULATED	The material has been designed or processed to reduce heat transfer.
MOISTURE_RESISTANT	The material property that resists uptake or passage of water. The resistance of a packaging material to deterioration or change when in contact with water. To be water resistant is not to be waterproof.
MOULDED	The material was manufactured by moulding, which consists of filling a mold with the material on liquid form and allowing it to harden so it takes the shape of the mold.
VACUUM_FORMED	A process through which a material is heated to a forming temperature, stretched onto or into a single-surface mould, and held against the mould by applying a vacuum between the mould surface and the sheet.
WATER_REPELLENT	The material has been treated or processed so it can resist the ingress of water under specified conditions

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6.154. Packaging Material Type Code

GS1 Code List	PackagingMaterialTypeCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
CERAMIC	Ceramic	A non-specific material made from clay and hardened by firing at a high temperatures. Examples can include Terra-cotta, Earthenware, Stoneware, Porcelain, and High-Tech Ceramics.
CLOTH_OR_FABRIC	Cloth or Fabric	A non specific material made by weaving, felting, knitting, or crocheting natural and/or synthetic fibers.
COMPOSITE	Composite	A material that is made from multiple materials.
CORRUGATED_BOARD_DOUBLE_WALL	Double Wall Corrugated Board	A structure formed by two corrugated inner members glued to one intervening flat facing paperboard with two additional paperboards to each outside corrugated.
CORRUGATED_BOARD_OTHER	Corrugated Board Other	A structure formed by one corrugated inner member glued to one flat facing paperboard; also termed single faced.
CORRUGATED_BOARD_SINGLE_WALL	Single Wall Corrugated Board	A structure formed by one corrugated inner member glued between two flat facing paperboards; also termed double faced.
CORRUGATED_BOARD_TRIPLE_WALL	Triple Wall Corrugated Board	A structure formed by three corrugated inner members glued to two intervieing flat facing paperboards with two additional paperboards to each outside corrugated.
FIBRE_OTHER	Fibre Other	A non specific material made of a unit of matter, either natural or manufactured, that forms the basic element of fabrics and other textile structures.
FIBRE_JUTE	Fibre Jute	A bast fiber obtained from the round pod jute or the long pod jute of the family Tiliaceae. Grown extensively in Pakistan and India, mainly in the Bengal district of Pakistan.
FIBRE_BURLAP	Burlap	The American name for cloth woven from jute fibres. In other parts of the world it is known as

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		Hessian, Hessian cloth, or gunny from the Indian gain.
FIBRE_COTTON	Fibre Cotton	A natural cellulosic seed-hair fiber, obtained from the seed pod of the cotton plant. First known in India about 3000 B.C.
FIBRE_FLAX	Fibre Flax	The plant from the stem of which bast fiber is extracted by retting to produce linen. An erroneous term for linen fiber, particularly in blends.
FIBRE_HEMP	Fibre Hemp	Hemp is a commonly used term for varieties of the Cannabis plant. Hemp can yield fibre which can be used in ropes, cloths, weaves, as a reinforcement of polymer composites as well as pulps for paper making.
FOAM	Foam	A non specific material in a lightweight cellular form resulting from introduction of gas bubbles during manufacture, used to reduce shock and vibration or abrasion.
GLASS	Glass	A non-specific inorganic substance fused at high temperatures and cooled quickly so that it solidifies to a vitreous or noncrystalline condition. This term applies to transparent clear glass or as a generic term if distinction with coloured glass is not desired.
GLASS_COLOURED	Coloured Glass	Glass containing external colouring or glass that has been coloured by the addition of colouring agents/particles in its creation
LAMINATED_CARTON	Laminated Carton	A material made up of laminates of paperboard, foil and polyethylene which combined form a sheet suitable for asceptic processing.
METAL_ALUMINUM	Aluminium	A non specific material made from aluminium or aluminium alloy.
METAL_BRASS	Brass	Brass is an alloy of copper and zinc.
METAL_IRON	Iron	A heavy metallic element (Fe) capable of being fashioned into a variety of forms.
METAL_LEAD	Lead	A bluish-white soft malleable ductile plastic but inelastic heavy metallic element (Pb)
METAL_OTHER	Metal	A non specific material made from metal or metal alloy material.
METAL_STAINLESS_STEEL	Stainless Steel	An alloy of steel with chromium and sometimes another element (as nickel or molybdenum) that

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		is practically immune to rusting and ordinary corrosion
METAL_STEEL	Steel	Commercial iron that contains carbon in any amount up to about 1.7 percent as an essential alloying constituent, is malleable when under suitable conditions, and is distinguished from cast iron by its malleability and lower carbon content.
METAL_TIN	Tin	Tin is a chemical element that is obtained chiefly from the mineral cassiterite, where it occurs as an oxide, SnO2. This silvery, malleable poor metal is not easily oxidized in air, and is used to coat other metals to prevent corrosion. It is used in many alloys, most notably bronze
MINERAL_CALCIUM_CARBONATE	Calcium Carbonate	Ground calcium carbonate and precipitated calcium carbonate products serve as functional fillers in plastic and rubber applications. Calcium carbonate is widely used as in polyvinyl chloride (PVC), polyolefin, polypropylene (PP), polyethylene (PE) and unsaturated polyester resins applications. Calcium carbonate is used for its excellent optical properties, ability to improve impact strength, role as a processing aid and ability to replace plastic resins.
MINERAL_OTHER	Mineral Other	Any other mineral-based material not available in this list. Should be used as a temporary measure while a proper code is established
MINERAL_TALC	Talc	Talc is used to stiffen thermoplastics, mainly polypropylene but also polyethylene and polyamide (Nylon).
NATURAL_RUBBER	Natural rubber	A strong elastic material made by drying the sap from various tropical trees, especially the American rubber tree.
OTHER	Not Otherwise Specified	A non-specific material that cannot be defined with the current material codes. Should be used as a temporary measure while a proper code is established for the type of material.
PAPER_CORRUGATED	Corrugated	The most common type of box manufactured from containerboard, layers of linerboard and one layer of medium. The layers are

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		combined on a corrugator, a machine that presses corrugations into the medium and laminates a layer of linerboard to each side. The sheets are folded, printed, and glued or stapled to make a finished box.
PAPER_MOLDED_PULP	Molded Pulp	Used for producing pulp-based or fibrous products by pressing; example products: egg packages, trays and boxes for fruits and vegetables.
PAPER_OTHER	Paper Other	Any other paper-based material not available in this list. Should be used as a temporary measure while a proper code is established.
PAPER_PAPER	Paper	A non-specific sheet material produced by the matting of fibres from wood, rags, or other fibrous materials. Generally, paper is of a lesser thickness or weight than paperboard.
PAPER_PAPERBOARD	Paperboard	A non specific material, generally made from cotton or wood, that describe a variety or of board materials used in the production of boxes, folding cartons, and solid fibre and corrugated shipping containers; also termed cardboard
PAPER_RAYON	Rayon Paper	Generic term for a manmade fiber derived from regenerated cellulose.
PLASTIC_OTHER	Plastic Other	A non-specific material made of any of numerous organic synthetic or processed materials that are mostly thermoplastic or thermosetting polymers of high molecular weight and that can be made into objects, films, or filaments.
PLASTIC_BIO_PLASTIC	Bio-plastic	Plastic certified as compliant with the European norm EN13432 over being recyclable through disintegration or biodegradation
PLASTIC_THERMOPLASTICS	Thermoplastics	A non-specific substance that becomes soft and pliable when heated, without a change in its intrinsic properties. Polystyrene and polyethylene are thermoplastics.
POLYMER_CELLULOSE_ACETATE	Cellulose Acetate	Cellulose acetate is one of the most important esters of cellulose. Depending on the way it has been processed cellulose acetate can be used for a wide variety of applications, e.g. films, membranes or fibers.
POLYMER_EPOXY	Epoxy	Epoxy resins are thermoset

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		polymers which are frequently used as coatings for metal packaging such as soft-drink cans.
POLYMER_EVA	Ethylene vinyl acetate, (EVA)	Ethylene vinyl acetate, a copolymer of 60 to 90% ethylene and 40 to 10% vinyl acetate. Packaging applications include soft films, coatings, hot melt adhesives, wine cork substitutes, and closure seals for plastic and metal container caps.
POLYMER_EVOH	Ethylene vinyl alcohol, (EVOH)	Ethylene vinyl alcohol, a copolymer of ethylene and vinyl alcohol. A plastic resin commonly used in food applications to provide barrier to oxygen and other gases.
POLYMER_HDPE	High Density Polyethylene (HDPE)	High-Density PolyEthylene (HDPE) is a polyethylene thermoplastic made from petroleum. A strong, relatively opaque form of polyethylene having a dense structure with few side branches off the main carbon backbone. Can be applied to bottles, flasks and caps.
POLYMER_LDPE	Low-density polyethylene (LDPE)	Low-density polyethylene (LDPE) is a polyethylene thermoplastic made from petroleum. A strong form of polyethylene having a less dense structure with more side branches off the main carbon backbone (on about 2% of the carbon atoms) than HDPE; therefore its tensile strength is lower, and its resilience is higherMade in translucent or opaque variations, it is quite flexible, and tough to the degree of being almost unbreakable. It is widely used for manufacturing various containers, dispensing bottles, wash bottles, tubing, plastic bags for computer components, and various moulded laboratory equipment. Its most common use is in plastic bags.
POLYMER_LLDPE	Linear Low Density Polyethylene	Linear low density polyethylene is a linear polyethylene with a significant number of short branches on the polymer backbone. It is commonly made by copolymerization of ethylene with longer-chain olefins. It is different from LDPE due to the absence of long chain branches which gives it higher tensile strength, impact and puncture

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		resistance than LDPE. Common uses of LLDPE are plastic bags, wraps, stretch wraps, pouches, covers and lids.
POLYMER_MDPE	Medium-density Polyethylene	Medium-density polyethylene is a type of polyethylene defined by a density range of 0.926-0.940 g/cm3. MDPE is typically used in shrink films, sacks, packaging film and carrier bags.
POLYMER_NYLON	Nylon	Packaging applications include oven-baking bags (nylon 6 and nylon 66) and barrier layers (MXD6 and nylon 6) for PET and HDPE bottles. Very occasionally, bottles can be made of nylon.
POLYMER_OTHER	Polymers Other	A non-specific chemical compound or mixture of compounds formed by polymerization and consisting essentially of repeating structural units
POLYMER_PAN	Polyacrylonitril (PAN)	Polyacrylonitril is a organic polymer which is frequently used in fibres for textiles. As fibres the material is frequently referred to as Acrylic.
POLYMER_PC	Polycarbonate (PC)	Polycarbonate, a transparent thermoplastic which is used in a wide variety of applications including CDs and DVDs, eyeglasses, cell phone covers, laptops as well as packaging applications such as bottles.
POLYMER_PCL	Polycaprolactone (PCL)	Polycaprolactone is a biodegradable polyester which is also used in in the manufacturing of polyurethanes. It is also used in blends with thermoplastic starch to improve properties and can also be used as a plasticizer to PVC.
POLYMER_PE	Polyethylene (PE)	A thermoplastic composed of the polymers of ethylene.
POLYMER_PEN	Polyethylene Naphthalate (PEN)	Polyethylene naphthalate is a polymer with good barrier properties (unlike Polyethylene terephthalate). It is well-suited for production of the amber-colored bottles meant for packing beverages like beer.
POLYMER_PET	Polyethylene Terephthalate (PET)	Polyethylene terephthalate is a thermoplastic polymer resin of the polyester family and is used in synthetic fibers. Can be applied to bottles, flasks and caps.
POLYMER_PHA	Polyhydroxyalkanoates (PHA)	Polyhydroxyalkanoates are linear polyesters produced in nature by bacterial fermentation of sugar or lipids.

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POLYMER_PLA	Polylactic Acid or Polylactide (PLA)	Polylactic acid or Polylactide is a biodegradable, thermoplastic, aliphatic polyester derived from lactic acid.
POLYMER_PP	Polypropylene (PP)	A non-specific material made of various thermoplastic plastics or fibers that are polymers of propylene.
POLYMER_PS	Polystyrene (PS)	A polymer prepared by the polymerization of styrene as the sole monomer
POLYMER_PU	Polyurethanes (PU)	Polyurethanes are primarily thermoset resins which are used in the manufacture of flexible and rigid foams, microcellular foam seals and gaskets, as well as high performance adhesives, surface coatings and sealants. Polyurethane can also be used to make synthetic fibers.
POLYMER_PVA	Polyvinyl Alcohol (PVA)	Polyvinyl alcohol (PVA or PVOH) is a biodegradable and highly water soluble polymer with high gas and grease barrier. Common uses for PVA are paper adhesives, paper coatings, as a self-standing water soluble films as well as blends to improve processability of thermoplastic starch.
POLYMER_PVC	Polyvinylchlorid (PVC)	A polymer of vinyl chloride used especially for electrical insulation, films, and pipes
POLYMER_PVDC	Polyvinylidene Chloride (PVDC)	Polyvinylidene chloride is primarily used as a barrier coating to provide barrier against fat, vapour and gases.
POLYMER_TPS	Thermoplastic Starch (TPS)	Thermoplastic starch is obtained through destructurization of natural starch through exposure to shear and heat. TPS is most frequently used in blends with biodegradable synthetic polymers such as PCL and PVA.
RUBBER	Rubber	A strong elastic synthetic substance made either by improving the qualities of natural rubber or by an industrial process using petroleum and coal products
WIRE	Wire	A non-specific material made of metal in the form of a very flexible thread or slender rod.
WOOD_HARDBOARD	Hardboard	Hardboard (not to be confused with hardwood), also called High-Density Fiberboard (HDF), is a type of fiberboard, which is similar to particle board and medium-density fiberboard, but is denser, much stronger and harder because it is made out of exploded wood fibres which

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		have been highly compressed. Consequently, the density of hardboard is 31 lbs or more per cubic foot (500 kg/m³)[2] and is usually about 50-65 lbs per cubic foot (800–1040 kg/m³). It differs from particle board in that the bonding of the wood fibres requires no additional materials, although resin is often added. Unlike particle board, it will not split or crack.
WOOD_HARDWOOD	Hardwood	A general term referring to any variety of broad-leaved, deciduous trees, and the wood from those trees. The term has nothing to do with the actual hardness of the wood; some hardwoods are softer than certain softwood (evergreen) species.
WOOD_MEDIUM_DENSITY_FIBREBOARD	Medium Density Fibreboard	Medium-Density Fibre board (MDF) is an engineered wood product made by breaking down hardwood or softwood residuals into wood fibres, combining them with wax and a resin binder, and forming panels by applying high temperature and pressure. MDF is generally denser than plywood. It is made up of separated fibres, but can be used as a building material similar in application to plywood. It is stronger and much more dense than particle board.
WOOD_ORIENTED_STRANDBOARD	Oriented Strand Board	Oriented Strand Board (OSB), also known as sterling board, sterling OSB, aspenite, and smartply, is an engineered wood particle board formed by adding adhesives and then compressing layers of wood strands (flakes) in specific orientations. OSB may have a rough and variegated surface with the individual strips of around 2.5 × 15 cm (1" × 6"), lying unevenly across each other and comes in a variety of types.
WOOD_OTHER	Wood	A non specific material made from the hard fibrous lignified substance under the bark of trees.
WOOD_PARTICLE_BOARD	Particle Board	Particle Board, also known as particleboard, chipboard, and Low-Density Fiberboard (LDF), is an engineered wood product manufactured from wood chips, sawmill shavings, or sawdust, and a synthetic resin or other suitable binder, which is pressed

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		and extruded. Particle board is a composite material.
WOOD_PLYWOOD	Plywood	Plywood, a manufactured wood panel similar to LDF, MDF, and HDF, is made from layering thin sheets of wood. Plywood layers (called veneers or plies) are glued together, with adjacent plies having their wood grain rotated relative to adjacent layers up to 90 degrees. All plywoods bind resin and wood fiber sheets (cellulose cells are long, strong and thin) to form a composite material.
WOOD_SOFTWOOD	Softwood	General term used to describe lumber produced from needle and/or cone bearing trees (Conifers).
VINYL	Vinyl	A non-specific polymer of a vinyl compound or a product (as a resin or a textile fiber) made from such a polymer

6.155. Packaging Material Performance Code

GS1 Code List	PackagingMaterialPerformanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	First submission of packaging (use for new trade items or existing trade items without packaging changes.
2	Similar or equal to current packaging (use if there is no change to the performance of the packaging.
3	Improved packaging performance (use if the new packaging improves the performance than the previous packaging.
4	Reduced packaging performance (use if the new packaging reduces the performance than the previous packaging.

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6.156. Packaging Recycling Process Type Code

GS1 Code List	PackagingRecyclingProcessTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
COMPOSTABLE	Packaging that can biodegrade generating a relatively homogeneous and stable humus-like substance.
ENERGY_RECOVERABLE	Packaging which allows for a net calorific gain in energy recovery operations.
RECYCLABLE	Packaging material and format which can be diverted from the waste stream through available processes and programmes and can be collected, processed and returned to use in the form of raw materials or products.
REUSABLE	Packaging that has been conceived and designed to accomplish within its life cycle a certain number of trips, rotations or uses for the same purpose for which it was conceived.

6.157. Packaging Recovery Rate Type Code

GS1 Code List	PackagingRecoveryRateTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
COMPOSTING_ORGANIC_RECOVERY	Packaging and the environment — Organic recycling For each of the packaging components the following four aspects are addressed: a) biodegradation b) disintegration during biological waste treatment process (i.e. composting); c) negative effects on the biological process; d) negative effects on the quality of the resulting compost, including the persistence of high levels of regulated metals and other substances, hazardous to the environment.
ENERGY_RECOVERY	To allow optimization of energy recovery in a real industry system, the theoretical calorific gain shall be well above zero. To claim energy recovery q_{net} shall be equal to greater than $q_{net,min,real}$ as defined for various incineration conditions. Reference ISO18605:2013(E) Annex A.
MATERIAL_RECYCLING	The supplier shall be able to demonstrate that the procedures defined in normative ISO 18604:2013(E) Annexes A and ISO 18604:2013(E) B have been followed in arriving at the final design of the finish
OTHER	Code value not available in code list.

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6.158. Packaging Recycled Content Type Code

GS1 Code List	PackagingRecycledContentTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Code value not available in code list.
POST_CONSUMER_RECYCLED_CONTENT	The ratio of post-consumer recycled material (post-consumer and pre consumer as defined by ISO 14021) to total material used in packaging constituents, packaging components, or packaging systems.
PRE_CONSUMER_RECYCLED_CONTENT	The ratio of pre-consumer recycled material (post-consumer and pre consumer as defined by ISO 14021) to total material used in packaging constituents, packaging components, or packaging systems

6.159. Packaging Recycling Scheme Code

GS1 Code List	PackagingRecyclingSchemeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
~~A_PULLO~~	~~PALPA stands for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage containers and promotes recycling in Finland. A-pullo is one of the recycling systems PALPA is admnister. This is a recycling system used in Finland.~~
~~ALKO~~	~~Alko inc. is an independent, entirely State-owned company. Alko is administered and supervised by the Ministry of Social Affairs and Health. They have own recycling system for alcohol products bottles called Alko. This is a recycling system used in Finland~~
CEN	Comite Europeen de Normalisation / European Committee for Standardization) is a major provider of European Standards and technical specifications. It is the only recognized European organization according to Directive 98/34/EC for the planning, drafting and adoption of European Standards in all areas of economic activity with the exception of electrotechnology (CENELEC) and telecommunication (ETSI).
EKO_PULLO	PALPA Standas for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage containes and promotes recycling in Finland. EKO-pullo is one of the recycling systems PALPA is administer. This is a recycling system used in Finland.
PALPA	PALPA stands for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage containers and promotes recycling in Finland. PALPA is on of the recycling systems PALPA is administer. This is a recycling system used in Finland.

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6.160. Packaging Renewable Content Type Code

GS1 Code List	PackagingRenewableContentTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
OTHER	Code value not available in code list.
RENEWABLE_CARBON_CONTENT	it is the renewable fraction of the total carbon content of the item, i.e. excluding all atoms and molecules which are non-carbon.
RENEWABLE_CONTENT	In the first case it is a percentage by weight of whatever item is measured.

6.161. Packaging Reusability Standard Code

GS1 Code List	PackagingReusabilityStandardCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EN13429	The CEN (the European Committee for Standardization) standard on reusable packaging
ISO18603	ISO standards in the field of packaging and the environment Reuse
EN13429_ISO18603	Both EN13429 and ISO18603
OTHER	Code value not available in code list.

6.162. Packaging Shape Code

GS1 Code List	PackagingShapeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BAR	A relatively long, evenly shaped piece of some solid substance
COIL	A spiral structure made by winding a material into a series of loops. A coil may or may not have a spindle around which the loops are formed.
CONE	A cone is a three-dimensional geometric shape that tapers smoothly from a flat, round base to a point.
CYLINDRICAL	A long shape that has a circular base and an equally-sized circular top.
POLYGON	A plane figure that is bounded by a closed path or circuit composed of a finite sequence of equally-sized straight line segments. A polygon may have a varying

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	number of segments or ‘faces’ resulting in different configurations, for example a 5-faced polygon: pentagon, 6-faced: hexagon, 8-faced: octagon, 12-faced: dodecahedron, etc.
RECTANGULAR	A closed planar quadrilateral with four right angles.
SPHERICAL	A perfectly round geometrical object in three-dimensional space, such as the shape of a round ball. Like a circle in two dimensions, a perfect sphere is completely symmetrical around its centre, with all points on the surface lying the same distance from the centre point.
TABLET	The result of different materials being compressed into a solid block usually of small dimensions.
UNSPECIFIED	Shape is not currently specified in the list. To be used as a temporary means until a specific missing value is added to the list.

6.163. Packaging Terms And Conditions Code

GS1 Code List	**PackagingTermsAndConditionsCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
1	Packaging cost paid by supplier. The cost of packaging is paid by the supplier
2	Packaging cost paid by recipient. The cost of packaging is paid by the recipient.
3	Packaging cost not charged (returnable). There is no charge for packaging because it is returnable.
4	Safe return deposit. A deposit paid to guarantee the safe return of the package.
5	Not reusable. The package is not reusable. The equipment may only be used once and is not reusable for the purpose for which it was designed.
6	Package exchangeable at the point of delivery. The package may be exchanged at the point of delivery.
7	Repack in. Code identifying that goods should be repacked from the identified package.
8	Unpack from. Code identifying that goods should be unpacked from the identified package.
9	Pack in. Code identifying that goods should be packed from the identified package.
10	Rented. The package has been/will be rented from a rental agency (e.g. CHEP pallets).
11	Labelled. The package is labelled
12	Recycling Fee Paid. Identifies that the package recycling fee for a trade item has already been paid when the item is sold to the retailer.

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6.164. Package Type Code (GDSN)

GS1 Code List	PackageTypeCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	UN/ECE CEFACT Trade Facilitation Recommendation No.21	
Type Of Management	Exended and Restricted	
Code Value	**Code Name**	**Code Definition**
AA	Intermediate bulk container, rigid plastic	A Rigid Intermediate Bulk Container (RIBC) that is attached to a pallet or has the pallet integrated into the RIBC. The container is used for the transport and storage of fluids and other bulk materials. The construction of the IBC container and the materials used are chosen depending on the application. There are various types available in the market place. Foldable (collapsible) IBC Container, Plastic composite IBC Container, Wire Cage IBC Container, Steel IBC Container, and Stainless steel IBC Container.
AE	Aerosol	A gas-tight, pressure-resistant container with a valve and propellant. When the valve is opened, propellant forces the product from the container in a fine or coarse spray pattern or stream. (e.g., a spray can dispensing paint, furniture polish, etc, under pressure). It does not include atomizers, because atomizers do not rely on a pressurised container to propel product from the container.
AM	Ampoule	A relatively small container made from glass or plastic tubing, the end of which is drawn into a stem and closed by fusion after filling. The bottom may be flat, convex, or drawn out. An ampule is opened by breaking the stem.
BA	Barrel	A cylindrical packaging whose bottom end is permanently fixed to the body and top end (head) is either removable or non-removable.
BBG	Bag in Box	Bag-In-Box or BIB is a type of container for the storage and transportation of liquids. It consists of a strong bladder, usually made of aluminium PET film or other plastics seated inside a corrugated fibreboard box. The box and internal bag can be fused together. In most cases there is nozzle or valve fixed to the bag. The nozzle can be connected easily to a dispensing installation or the valve allows for convenient dispensing.
BG	Bag	A preformed, flexible container, generally enclosed on all but one side, which forms an opening that may or may not be sealed after filling.
BK	Basket	A semi rigid container usually open at the top traditionally used for gathering, shipping and marketing agricultural products.

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BO	Bottle	A container having a round neck of relatively smaller diameter than the body and an opening capable of holding a closure for retention of the contents. Specifically, a narrow-necked container as compared with a jar or wide-mouth container. The cross section of the bottle may be round, oval, square, oblong, or a combination of these. Bottles generally are made of glass or plastics, but can also be earthenware or metal. Bottle may be disposable, recyclable, returnable, or reusable.
X11	Banded package	Something used to bind, tie, or encircle the item or its packaging to secure and maintain unit integrity.
BPG	Blister pack	A type of packaging in which the item is secured between a preformed (usually transparent plastic) dome or “bubble” and a paperboard surface or “carrier.” Attachment may be by stapling, heat-sealing, gluing, or other means. In other instances, the blister folds over the product in clam-shell fashion to form an enclosing container. Blisters are most usually thermoformed from polyvinyl chloride; however, almost any thermoplastic can be thermoformed into a blister.
BRI	Brick	A rectangular-shaped, stackable package designed primarily for liquids such as juice or milk
BX	Box	A non-specific term used to refer to a rigid, three-dimensional container with closed faces that completely enclose its contents and may be made out of any material. Even though some boxes might be reused or become resealed they could also be disposable depending on the product hierarchy.
BJ	Bucket	A container, usually cylindrical, can be equipped with a lid and a handle. (e.g., a pail made of metal, plastic, or other appropriate material).
CG	Cage	A container enclosed on at least one side by a grating of wires or bars that lets in air and light.
CM	Card	A flat package to which the product is hung or attached for display.
CMS	Clam Shell	A one-piece container consisting of two halves joined by a hinge area which allows the structure to come together to close. Clamshells get their name from their appearance to the shell of a clam, which it resembles both in form and function.
CNG	Can	A metallic and generally cylindrical container of unspecified size which can be used for items of consumer and institutional sizes.
CT	Carton	A non-specific term for an open or re-closable container used mostly for perishable foods (e.g. eggs, or fruit).
CS	Case	A non-specific term for a container designed to hold, house, and sheath or encase its content while protecting it during distribution, storage and/or exhibition. Cases are mostly intended to store and preserve its contents during the product's entire lifetime.
CR	Crate	A non-specific term usually referring to a rigid three-dimensional container with semi-closed faces that

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		enclose its contents for shipment or storage. Crates could have an open or closed top and may have internal divers. Even though some crates might be reused or become resealed they could also be disposable depending on the product hierarchy.
CU	Cup\Tub	A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Usually made of paper, plastic or other materials these containers are typically used to contain mostly (but not exclusively) foods such as ice cream, margarine, yogurt, sour cream, confections, etc.
CY	Cylinder	A rigid cylindrical container with straight sides and circular ends of equal size.
EN	Envelope	A predominantly flat container of flexible material having only two faces, and joined at three edges to form an enclosure. The non-joined edge provides a filling opening, which may later be closed by a gummed or adhesive flap, heat seal, tie string, metal clasp, or other methods.
GTG	Gable Top	A rectangular-shaped, non-stackable package designed primarily for liquids such as juice or milk
JR	Jar	A rigid container made of glass, stone, earthenware, plastic or other appropriate material with a large opening, which is used to store products, (e.g., jams, cosmetics).
JG	Jug	A container, normally cylindrical, with a handle and/or a lid or spout for holding and pouring liquids
MPG	Multipack	A bundle of products held together for ease of carriage by the consumer. A multipack is always a consumer unit.
NT	Net	A container of meshwork material made from threads or strips twisted or woven to form a regular pattern with spaces between the threads that is used for holding, carrying, trapping, or confining something.
NE	Not packed	The item is provided without packaging.
PT	Pot	A flat-bottomed container that has a base of any shape and which may or not be closed with a lid. Pots are usually made of cardboard, plastic, ceramic, metal or other materials and may be used for a wide array of products such as cosmetics, food/liquids, dairy products, plants.
PX	Pallet	A platform used to hold or transport unit loads.
PB	Pallet Box	A three-dimensional container which either has a pallet platform permanently attached at its base or alternatively requires a platform for its handling and storage as due to its constitution it cannot be handled without it. The characteristics of the platform should be specified using the pallet type code list
PO	Pouch	A preformed, flexible container, generally enclosed with a gusset seal at the bottom of the pack can be shaped/arranged to allow the pack to stand on shelf.
PU	Tray	A shallow container, which may or may not have a cover, used for displaying, carrying items or carry for

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		warehousing. Examples for TIIG • Plate • Cardboard carrier • Cellplate • Divider Sheet/Slip Sheet • Plastic-Wrapped Tray • Tray for bottles • Tray one layer no cover • Tray tablet • Tray Shrinkpacked • Tray/Tray pack • Other Information • This code also covers all 'ready to cook' plates in which some products are sold. • Divider Sheets/Slip Sheets which are used to hold layers on a pallet for efficient cross docking warehousing processes.
PLP	Peel Pack	A package used for sterile products which may be torn open without touching the product inside.
PUG	Packed, unspecified	Packaging of the product (or products) is currently not on the list. Use this code when no suitable options are available and only while a Change Request is approved for the proper packaging type.
RK	Rack	A non specific term identifying a framework or stand for carrying, holding, or storing items. Commonly on wheels and primarily used in the logistical functions to deliver items such as hanging garments, or items on shelves such as dairy products and bakery items and flowers.
RL	Reel	A spool on which thread, wire, film, etc, is wound. Any device on which a material may be wound. Usually has flanged ends and is used for shipping or processing purposes.
SW	Shrinkwrapped	In packaging, a plastic film around an item or group of items which is heated causing the film to shrink, securing the unit integrity. The use of shrunken film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping.
SY	Sleeve	A non-rigid container usually made of paper, cardboard or plastic, that is open-ended and is slid over the contents for protection or presentation.
STR	Stretchwrapped	In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around an item or group of items to secure and maintain unit integrity. The use of stretch film to tightly wrap a package or a unit load in order to bind, protect and immobilize it for further handling or shipping.
TU	Tube	A cylindrical container sealed on one end that could be closed with a cap or dispenser on the other end.
WRP	Wrapper	The process of enclosing all or part of an item with layers of flexible wrapping material (e.g., for an

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		individually packed ice cream). Does not include items which are shrink-wrapped or vacuum-packed.
ZU	Flexible Intermediate Bulk Container	A non-rigid container used for transport and storage of fluids and other bulk materials. The construction of the IBC container and the materials used are chosen depending on the application.

6.165. Peg Hole Type Code

GS1 Code List	PegHoleTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ES1	Euro Slot 25 millimetre.
ES2	Euro Slot 33 millimetre
HH1	Hole Hook: An open hook (a peg hole open from one side) enabling packages to be hung at any position on the peg.
RL1	A round hole.
SL1	A slot hole with 10 millimetres width.
SL3	A slot hole with 7 millimetres width.

6.166. Phase Of Matter Code

GS1 Code List	PhaseOfMatterCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
GAS	A material, which has a vapour pressure greater than 300 kPa (43.5 psia) at 50°C (122°F) or is completely gaseous at 20°C (68°F) at a standard pressure of 101.3 kPa (14.7 psia). Including: Aerosol: Any non-refillable receptacle containing a gas compressed, liquefied or dissolved under pressure, the sole purpose of which is to expel a non-poisonous (other than a Division 6.1 Package Group III Material) liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas. Asphyxiant Gas: A gas, which dilutes or replaces the oxygen normally in the atmosphere. Compressed Gas in Solution: A non-liquefied compressed gas, which is dissolved in a solvent. Liquefied Compressed Gas: A gas, which when packaged under pressure for transportation is partially liquid at temperatures above -50° C (-58° F). A liquefied compressed gas is further categorized

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	as follows: High Pressure Liquefied Gas: A gas with a critical temperature between -50 °C (-58° F) and + 65° C (149° F). Low Pressure Liquefied Gas: A gas with a critical temperature above + 65° C (149° F). Non-Liquefied Compressed Gas: A gas, which when packaged under pressure for transportation is entirely gaseous at -50° C (-58° F) with a critical temperature less than or equal to -50° C (-58° F). Oxidizing Gas: A gas, which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does.
LIQUID	A material, other than an elevated temperature material, with a melting point or initial melting point of 20°C (68°F) or lower at a standard pressure of 101.3 kPa (14.7 psia). A viscous material for which a specific melting point cannot be determined must be subjected to the procedures specified in ASTM D 4359 "Standard Test Method for Determining Whether a Material is Liquid or Solid".
MIXED	Any combination of the other states.
REFRIGERANT_OR_DISPERSANT_GAS	All non-toxic refrigerant gases, dispersant gases (fluorocarbons) and mixtures thereof, or any other compressed gas having a vapour pressure not exceeding 260 psia at 54°C (130°F), used only as a refrigerant, dispersant or blowing agent.
REFRIGERATED_LIQUID	Cryogenic Liquid . A refrigerated liquefied gas having a boiling point colder than -90°C (-130°F) at 101.3 kPa (14.7 psia).
SOLID	A material that does not meet the definition of a liquid or gas (i.e., powder, pellet, flake).

6.167. Physical Resource Type Code

GS1 Code List	PhysicalResourceTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DIESEL	Any liquid fuel used in diesel engines. The most common is a specific fractional distillate of petroleum fuel oil, but alternatives that are not derived from petroleum, such as biodiesel, biomass to liquid (BTL) or gas to liquid (GTL) diesel, are increasingly being developed and adopted.
ELECTRICITY	A movement or flow of electrically charged particles, typically measured in amperes.
FUEL_OIL	Any liquid petroleum product that is burned in a furnace or boiler for the generation of heat or used in an engine for the generation of power, except oils having a flash point of approximately 40 °C (104 °F) and oils burned in cotton or wool-wick burners. Fuel oil is made of long hydrocarbon chains, particularly alkanes, cycloalkanes and aromatics. The term fuel oil is also used in a stricter sense to refer only to the heaviest commercial fuel that can be obtained from crude oil, heavier than gasoline and naphtha.

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GASOLINE	Gasoline or petrol is a transparent petroleum-derived liquid that is primarily used as a fuel in internal combustion engines. It consists mostly of organic compounds obtained by the fractional distillation of petroleum, enhanced with a variety of additives. Some gasolines also contain ethanol as an alternative fuel. In North America the term "gasoline" is often shortened in colloquial usage to "gas" but some people use the term "petrol".
NATURAL_GAS	A naturally occurring hydrocarbon gas mixture consisting primarily of methane, with other hydrocarbons, carbon dioxide, nitrogen and hydrogen sulfide. Natural gas is widely used as an important energy source in many applications including heating buildings, generating electricity, providing heat and power to industry, as fuel for vehicles and as a chemical feedstock in the manufacture of products such as plastics and other commercially important organic chemicals.
PROPANE	A three-carbon alkane with the molecular formula C3H8, normally a gas, but compressible to a transportable liquid. A by-product of natural gas processing and petroleum refining, it is commonly used as a fuel for engines, oxy-gas torches, barbecues, portable stoves, and residential central heating. Propane is one of a group of liquefied petroleum gases. The others include butane, propylene, butadiene, butylene, isobutylene and mixtures thereof.
OTHER	A physical resource other than those listed in the Physical Resource Type Code List.
WATER	A chemical substance with the chemical formula H2O. A water molecule contains one oxygen and two hydrogen atoms connected by covalent bonds. Water is a liquid at ambient conditions, but it often co-exists on Earth with its solid state, ice, and gaseous state (water vapor or steam). Water also exists in a liquid crystal state near hydrophilic surfaces.

6.168. Physical Resource Usage Measurement Type Code

GS1 Code List	**PhysicalResourceUsageMeasurementTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
AVERAGE	The average resources used.
MAXIMUM	The maximum resources used.

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6.169. Physiochemical Characteristic Code

GS1 Code List	PhysiochemicalCharacteristicCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AFLATOXIN_B1_LESS_THAN	To indicate the value of aflatoxin B1 (stated in less than X microgram per kilogram)
AFLATOXIN_B2_LESS_THAN	To indicate the value of aflatoxin B2 (stated in less than X microgram per kilogram)
AFLATOXIN_G1_LESS_THAN	To indicate the value of aflatoxin G1 (stated in less than X microgram per kilogram)
AFLATOXIN_G2_LESS_THAN	To indicate the value of aflatoxin G2 (stated in less than X microgram per kilogram)
AFLATOXIN_M1_LESS_THAN	To indicate the value of aflatoxin M1 (stated in less than X microgram per kilogram)
CADMIUM_LESS_THAN	To indicate the value of cadmium (stated in less than X microgram per kilogram)
LEAD_LESS_THAN	To indicate the value of lead (stated in less than X microgram per kilogram)
MERCURY_LESS_THAN	To indicate the value of mercury (stated in less than X microgram per kilogram)
MYCOTOXINS	To indicate the value of mycotoxins
OCHRATOXIN_A	To indicate the value of ochratoxin A (stated in less than X microgram per kilogram)
PENETROMY	To indicate the firmness (density) of the pulp in fruits and vegetables
TARGET_ACIDITY	To indicate the target acidity of the product
TARGET_DEGREE_BRIX	Brix degree is the weight (in grams) of dry material con-tained in 100 grams f a distilled water solution
TARGET_DENSITY	To indicate the target density of the product
TARGET_DRY_MATERIAL	Target material quantity after total dehydration of the prod-uct (constant weight)
TARGET_FAT	To indicate the target value of fat
TARGET_FAT_ON_DRY_BASIS	Target fat material proportion on dry material of the product
TARGET_HUMIDITY	Target quantity of the water vapour contained in the product
TARGET_INHIBITOR	Substance target quantity which jams or delays a chemical reaction
TARGET_NEUTRALISING_AGENT	Substance target quantity which avoids the realisation of a chemical reaction
TARGET_NONFAT_DRY_SOLIDS	Target dry material quantity of the product minus fat material
TARGET_PH	Measure of the target acidity or alkalinity of a solution

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TARGET_PH_OLEIC_ACIDITY	To indicate the target value of PH oleic acidity of the product
TARGET_PROTEIN_RATE	To indicate the target value of protein rate
TARGET_SPECIFIC_GRAVITY	To indicate the target specific gravity of the product
TARGET_VISCOSITY	Target resistance property to the flow
TARGET_WATER_ACTIVITY	Target chemical's potential of the water in the substance: it defines the foods shelf life
WEIGHT_DENSITY	The volume of 1 measurement (e.g. LB) of water divided by the volume of 1 measurement (e.g.) of the product.

6.170. Platform Terms And Conditions Code

GS1 Code List	**PlatformTermsAndConditionsCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
1	No Exchange / No Return
2	Exchange Pallets
3	Return Pallets
4	Pallets to be Purchased by Customer
5	Pallet – Third Party Exchange A pallet exchange program where a third party rents pallets for internal or external use.
6	One-way pallet. Pallet need not be returned to the point of expedition.
7	Returnable pallet. Pallet must be returned to the point of expedition.

6.171. Platform Type Code

GS1 Code List	**PlatformTypeCode**	
GS1 Code List Version	**R1**	
Managing Agency	**GS1**	
Based on Code List	**n/a**	
Type Of Management	**n/a**	
Code Value	**Code Name**	**Code Definition**
9	Slip Sheet	A firm sheet of plastic, cardboard or other material which may be hooked or attached to a forklift or other transportation equipment. The slip sheet is used to pull products stacked on top of it. Use packaging dimension attributes to specify the size of the slip sheet.
10	Pallet 800 X 600 mm	Half size flat pallet with dimensions of 800 x 600 mm. also known as ISO 0 Pallet, 1/2 EUR Pallet, EUR 6 Pallet
11	Pallet 800 X 1200 mm	Flat pallet with dimensions of 800 x 1200 mm

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		ISO 6780 ISO 1 Pallet, EUR Pallet
12	Pallet 1200 X 1000 mm	Flat pallet with dimensions of 1200 x 1000 mm ISO 6780 ISO 2 Pallet, EUR 2 Pallet
13	Pallet 600 X 400 mm	Quarter size of the standard EuroPallet with dimensions of 600 x 400 mm, Quarter size of the standard EuroPallet (EUR)
14	Pallet 400 X 300 mm	Eighth size of the standard EuroPallet (EUR) with dimensions of 400 x 300 mm. 1/8 EUR Pallet
25	Australian Pallet	Standardised square pallet with dimensions of 1165 x 1165 mm, which perfectly fits in the RACE container of the Australian Railway.
27	Unspecified	Platform of Unspecified Weight or Dimension: Pallet level hierarchy is being shipped on a shipping platform of unknown dimensions or unknown weight. The platform weight or dimension may differ within the same shipment. All other values including null would indicate that the weight and dimensions include the shipping platform.
~~30~~	~~1/2 EUR Pallet~~	~~Half size of the standard EuroPallet (EUR) size as defined by the European Pallet Association (EPAL); with dimensions of 800 x 600 mm.~~
31	Pallet 1000 X 600 mm	Half size flat pallet with dimensions of 1000 x 600 mm. 1/2 ISO 2 Pallet
32	Block Pallet	A pallet constructed with blocks at the corners and middle to which three stringers boards are attached with top deck boards attached perpendicular to the stringers. Block pallets can have a variety of bottom deck configurations; no bottom boards, boards parallel to the top deck boards or a full parameter base similar to a picture frame.
33	Dolly	A portable, horizontal, rigid platform on wheels or rollers, used as a base for assembling, storing, stacking, handling and transporting goods as a unit, suitable for manually positioning.
~~34~~	~~EUR 2 Pallet~~	~~Standard EuroPallet (EUR2) size as defined by the European Pallet Association (EPAL); with dimensions of 1200 x 1000 mm. Also termed ISO 2.~~
35	Pallet 1000 X 1200 mm	Standard EuroPallet (EUR3) size with dimensions of 1000 x 1200 mm. EUR 3 Pallet
~~36~~	~~EUR 6 Pallet~~	~~Standard EuroPallet (EUR6) size as defined by the European Pallet Association (EPAL); with dimensions of 800 x 600 mm.~~
~~37~~	~~EUR Pallet~~	~~Standard EuroPallet (EUR) size as defined by the European Pallet Association (EPAL); with dimensions of 800 x 1200 mm.~~
38	Horizontal Drum Pallet	A rigid platform with integrated restraints to prevent horizontally orientated cylindrical containers from slipping. Horizontal Drum Pallets are used for assembling, storing, stacking, handling and transporting cylindrical containers, e.g. drums, barrels, or kegs, as a unit load, suitable for lifting by a forklift, pallet jack, or other jacking device.
39	IBC Pallet	An IBC Pallet is a Rigid Intermediate Bulk Container (RIBC) that is attached to a pallet or has the pallet integrated into the RIBC. The container is used for the transport and storage of fluids and other bulk materials. The construction

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		of the IBC container and the materials used are chosen depending on the application. There are various types available in the market place. Foldable (collapsible) IBC Container, Plastic composite IBC Container, Wire Cage IBC Container, Steel IBC Container, and Stainless steel IBC Container
40	Pallet 1219 X 1016 mm	ISO 3 Pallet Flat pallet with dimensions of 1219 x 1016 mm (48 x 40 In) primarily used in the Americas region. ISO 3 Pallet
41	Pallet 1067 X 1067 mm	Flat pallet with dimensions of 1067 x 1067 mm (42 x 42 in) primarily used in the Americas region. ISO 4 Pallet
42	Pallet 1100 X 1100 mm	Flat pallet with dimensions of 1100 x 1100 mm primarily used in the Asia Pacific region. Also referred to as the "T11" pallet. ISO 5 Pallet
43	Pallet 1140 X 1140 mm	Flat pallet with dimensions of 1140 x 1140 mm primarily used in the European region. ISO 6 Pallet.
44	Skid	A group of parallel wooden runners attached to the undersides of boxes, crates, and machines to allow entry of platform trucks or fork lift tines.
45	Stringer Pallet	A pallet constructed with boards (stringers) on edge to which the top deck and bottom deck boards are attached. The stringers may be notched to facilitate four way entry and lifting by a fork lift or other pallet jacking device.
46	Vertical Drum Pallet	A rigid platform with integrated restraints to prevent vertically orientated cylindrical containers from slipping.Vertical Drum Pallets are used for assembling, storing, stacking, handling and transporting cylindrical containers, e.g. drums, barrels, or kegs, as a unit load, suitable for lifting by a forklift, pallet jack, or other jacking device.
47	Pallet 800 X 400 mm	One third size of the standard Euro Pallet size with dimensions of 800 x 400 mm. 1/3 European Pallet.
48	1/2 ISO 3 Pallet	Half size flat pallet with dimensions of 610 x 1016 mm (24 x 40 In); primarily used in the Americas region.
49	1/4 ISO 3 Pallet	Quarter size flat pallet with dimensions of 610 x 508 mm (24 x 20 In); primarily used in the Americas region.
50	Custom Platform	A portable, horizontal, rigid platform used as a base for assembling, storing, stacking, handling and transporting goods as a unit load, suitable for lifting by a forklift, pallet jack, or other jacking device.

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6.172. Plumbing Control Type Code

GS1 Code List	**PlumbingControlTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**

Code Value	Code Definition
BARE_STEM_NO_OPERATOR	This control is a peg or stem extending from the unit. There is no handle or lever on the end of the stem.
CROSS_HANDWHEEL	The control is a device, which resembles a cross or "+", which when attached to the stem can be turned to operate the unit.
ELECTRIC_ACTUATORS	An electronic actuator converts energy (in the form of electricity) into motion. The motion can be rotary or linear, depending on the type of actuator.
EXTENDED_LEVER_HANDLE	The control is a flat piece of material made such as for one end to fit over the stem and can be turned to operate the unit. The unit is considered an extended lever as it has another piece of material into which the stem is inserted thereby causing the handle to be set away from the unit it operates
EXTENDED_LEVER_HANDLE_WITH_MEMORY_STOP	The control is a flat piece of material made to fit over the stem and can be turned to operate the unit. The unit is considered an extended lever as it has another piece of material into which the stem is inserted thereby causing the handle to be set away from the unit it operates. Memory stop is a device which allows the user to set the range of motion allowable for the handle.
EXTENDED_ROUND_HANDLE	The control is a circular device which when attached to the stem can be turned to operate the unit. The unit is considered an extended lever as it has another piece of material into which the stem is inserted thereby causing the handle to be set away from the unit it operates.
GEAR_OPERATOR	The control is a device which contains a gear box and having a circular handle, thereby increasing the number of turns of the handle required to change the direction of the closure member, and reducing the force needed to operate the unit.
HORIZONTAL_CHAIN_LEVER_HANDLE	The control is a bar attached to a unit, designed to be mounted horizontally. A chain is attached on each end of the bar. By pulling on one chain or the other, the unit can be set into operation.
INSULATION_HANDLE	The control is a device comprised of non-conductive materials which can be turned to operate the unit even when thermal pipe insulation is affixed around the unit.

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LEVER_HANDLE	The control is a flat piece of material made such as for one end to fit over the stem and can be turned to operate the unit.
LEVER_LOCK_OPERATOR	The control is a long handle with a catch mechanism. The position lock can be used to set the valve in the full open or full closed position. This type of control may or may not have the ability to be locked with a padlock.
LOCKING_LEVER_HANDLE	The control is a flat piece of material made such as for one end to fit over the stem and can be turned to operate the unit. The lever has a secondary piece of material, which when engaged can hold the lever in one position. This type of control may or may not have the ability to be locked with a padlock. The control is a flat piece of material made such as for one end to fit over the stem and can be turned to operate the unit. The lever has a secondary piece of material, which when engaged can hold the lever in one position. This type of control may or may not have the ability to be locked with a padlock.
LOCKSHIELD_OPERATOR	The control is a stem with a keyed end. The control is operated by a lock shield key. The Key can be a simple as an allen key or more complex depending on the security required.
PNEUMATIC_ACTUATORS	A pneumatic actuator converts energy (in the form of compressed air, typically) into motion. The motion can be rotary or linear, depending on the type of actuator.
POSITION_LOCK_OPERATOR	The control is a long handle with a catch mechanism. The position lock can be used to set the valve in any position or as a memory stop so the valve may be reopened to the previous position. This type of control may or may not have the ability to be locked with a padlock.
ROUND_HANDLE	The control is a circular device which when attached to the stem can be turned to operate the unit.
SLOTTED	A groove or slot which allows for screwdrivers to be used to operate the control.
SOLENOID	A solenoid is a transducer device which converts energy into linear motion.
SOLID_TEE_OPERATOR	The control is a piece of material in the shape of a "T" in which the stem can be inserted. The Tee can then be rotated to operate the unit.
SQUARE_OPERATING_NUT	The control comprises a nut at the top of the stem. This nut is square in shape. Turning the nut turns the stem causing the unit to operate.
VERTICAL_CHAIN_LEVER_HANDLE	The control is a bar attached to a unit, designed to be mounted vertically. A chain is attached on each end of the bar. By pulling on one chain or the other, the unit can be set into operation.

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WING_HANDLE	The control is a flat piece of material made such that the center of the device can over the stem and can be turned to operate the unit. The section of the bar are bent allowing for an easier grip and resemble wings.

6.173. Plumbing HVAC Connection Agency Code

GS1 Code List	**PlumbingHVACConnectionAgencyCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**

Code Value	Code Definition
ANSI	American National Standards Institute (ANSI) oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards.- http://www.ansi.org/
ASME	The American Society of Mechanical Engineers (ASME) is a professional body, specifically an engineering society, focused on mechanical engineering. The organization's stated vision is to be the premier organization for promoting the art, science and practice of mechanical and multidisciplinary engineering and allied sciences to the diverse communities throughout the world. Its stated mission is to promote and enhance the technical competency and professional well-being of its members, and through quality programs and activities in mechanical engineering, better enable its practitioners to contribute to the well-being of humankind. Http://www.asme.org/
ASTM	American Society for Testing and Materials International (ASTM) specification documents, test methods, classifications, practices, and guides. These standards describe the characteristics of materials, systems, products, and services. ASTM documents are divided into nine sections, Metals, Construction, Paints, Petroleum Products, Plastics, Textiles, Rubber & Electric Insulating Materials, General Test Methods, and Miscellaneous. ASTM technical committees are made up of professionals from around the globe who develop ASTM standards. There are over 130 ASTM technical committees covering diverse industry areas ranging from metals to the environment. http://www.astm.org
CISPI	Cast Iron Soil Pipe Institute (CISPI) The Institute is dedicated to aiding and improving the plumbing industry. Through the preparation and distribution of technical reports, we seek to advance interest in the manufacture, use and distribution of cast iron soil pipe and fittings, and through a program of research and the cooperative effort of soil pipe manufacturers, we strive to improve the industry's products, achieve standardization of cast iron soil pipe and fittings, and provide a continuous program of product testing, evaluation and development. Assurance that pipe and fittings meet the approved standards and tolerances of the Institute is provided either by Ç®; or the CI NO-HUB® trademarks which are the collective marks all member companies may place on their products. www. cispi.org

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CSA	"Canadian Standards Association (CSA) As a membership-based association serving business, industry, government and consumers in Canada and the global marketplace. As a solutions-oriented organization, CSA works in Canada and around the world to develop standards that address real needs, such as enhancing public health and safety. Advancing the quality of life. Helping to preserve the environment. Facilitating trade. CSA helps people understand standards through education and information products and services.
IAPMO	International Association of Plumbing and Mechanical Officials (IAPMO) As a membership-based association, IAPMO is proud to utilize an open consensus process in the development of our flagship Uniform Plumbing Code® and Uniform Mechanical Code®. These codes are established through scientific research, debate, and analysis, strengthening our position at the forefront of the plumbing and mechanical industries. The IAPMO Group is a complete service organization, providing code development assistance, industry-leading education, and a manufacturer-preferred quality assurance program. Each component of the IAPMO Group works toward our ultimate goal of protecting the health of people everywhere. www.iapmo.org
ISO	International Organization for Standardization (ISO) ISO is a non-governmental organization that forms a bridge between the public and private sectors. On the one hand, many of its member institutes are part of the governmental structure of their countries, or are mandated by their government. On the other hand, other members have their roots uniquely in the private sector, having been set up by national partnerships of industry associations
MSS	The Manufacturers Standardization Society (MSS) of the Valve and Fittings Industry is a non-profit technical association organized for development and improvement of industry, national and international codes and standards for: Valves, Valve Actuators, Pipe Fittings, Valve Modification, Flanges, Pipe Hangers, and Associated Seals. The primary function of MSS is to provide its members the means to develop engineering standard practices for the use and benefit of the industry and users of its products. The Society, the only organization dedicated solely to the technical needs of the industry, is currently comprised of 25 technical committees to write, revise and reaffirm industry standards. http://mss-hq.org/
NSF	National Sanitation Foundation International (NSF) NSF Internal helps protect you by certifying products and writing standard for food, water and consumer goods. NSF International is The Public Health and Safety Company™, providing public health and safety risk management solutions to companies, governments and consumers around the world. www.nsf.org
OTHER	Other agency not defined on this list.

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6.174. Plumbing HVAC Connection Type Code

GS1 Code List	PlumbingHVACConnectionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
AMERICAN_MECHANICAL_JOINT	An American Mechanical Joint is a rubber gasket is compressed by a ductile iron gland drawn up with low-alloy steel bolts which affords liberal deflection and allows expansion and contraction of the line without leakage and is rated for a water working pressure of up to 350 psi.
BELLED	The end length of increased diameter into which a pipe end can be fitted
BUTT	The connection is a flat cut end designed to mate directly to the end of another product. This connection is to connect the same sized pipes or valve ends together.
COMPRESSION_JOINT	A compression joint kind of tubing or pipe connection where a nut, and then a sleeve or ferrule is placed over a copper or plastic tube and is compressed tightly around the tube as the nut is tightened, forming a positive grip and seal without soldering. Also a flexible compression fitting.
CRIMPED	This type of joint requires the joint be crimped once sections are fit together. Some of the necessary connection parts must be added or acquired separately.
FEMALE_THREADED	Female Threaded
FLARE_JOINT	A Flare Joint is where a pipe or tube is widened to join with a larger diameter pipe, for example between a copper tube and a main water feed line.
FLANGED_JOINT	Flange generally refers to the actual raised rim or lip of a fitting which can be bolted to the flange of an opposite unit.
GROOVED_JOINT	Outer diameter of item has a groove which is designed to be joined together using external gaskets and couplings.
LUG	The lug body has protruding lugs that provide bolt holes matching those in the flanges. An advantage of the lug body type is that piping on one side of the valve may be disassembled while the valve remains bolted in place, allowing for the remainder of the system to continue in operation.
MALE_THREADED	Male Threaded
MECHANICAL_JOINT	A Mechanical Joint is a joint which typically consists of: (a) a flange which is integrally cast with the bell of the pipe, (b) a rubber gasket which fits into the recess in the socket, (c) a follower ring which compresses the gasket, and (d) nuts and bolts used to tighten the joint.
NO_HUB_IRON	A connector for no-hub iron pipe consisting of a rubber sleeve and a stainless steel band secured by hose clamps. A variation, a neoprene sleeve with two adjustable steel bands, is used for connecting dissimilar materials, as when connecting new plastic pipe to an existing cast iron drain pipe.

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PACK_JOINT	Pack Joint
PLAIN	SPG - Spigot, FTG- Fitting, M- Male Pipe Size- Straight end to connect or insert into the bell end or fitting to join to connecting pipe.
PRESS	This type of joint requires the joint be crimped once sections are fit together. All of the necessary connection parts are present.
PUSH	A joint which can be pushed onto the opposite end manually to form a solid connection. This type of connection fits around an inserted pipe or fitting end.
QUICK_CONNECT	A connection which has the ability to joined and un-joined repeatedly or at will. This type of joint does not degrade the product over time. This type of joint is not considered by the industry to be a push joint.
SOCKET	The connection is a female socket end designed to allow for the insertion of straight pipe/tubing and joined using soldering, sweating, brazing, welding, or cementing. This connection is also called solder cup, hub, or slip joint.
SWIVEL_JOINT	This type of joint uses a pressure type seal while allowing rotation of the units being joined.
UNION_JOINT	This type of joint can connect and disjoint two pipes very easily without deformation to the pipe or tube.
WAFER	A wafer is a seal using a tightly fitting seal, i.e., gasket, o-ring, precision machined, and a flat valve face on the upstream and downstream sides of the valve.
YOKE_JOINT	A connection whereby a piece is expanded on one end into a seal face to form a joint.

6.175. Preliminary Item Status Code

GS1 Code List	**PreliminaryItemStatusCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
FINAL	Item has attribute values that reflect go to market state.
PRELIMINARY	The trade item has data that the information provider intends to correct or add values to due to pre-production unknowns.

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6.176. Preparation Type Code

GS1 Code List	PreparationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
AS_DRAINED	The state of the product after it has been separated from any liquid within the package'' – For example, a can of apricots in syrup would have a different nutritional composition if the apricots are consumed with the syrup rather than if the syrup is drained before consuming the apricots (because of the high sugar and energy content of the syrup).
BAKE	Cooking food in an oven by dry heat applied evenly throughout the oven.
BARBECUE	Method of cooking meat with the heat and hot gasses of a fire.
BLANCH	Food preparation wherein the food substance is rapidly plunged into boiling water and then removed after a brief, timed interval and then plunged into iced water or placed under cold running water.
BLIND_BAKE	Baking a pie crust or other pastry without the filling.
BOIL	Cooking food in boiling water, or other water-based liquid such as stock or milk.
BRAISE	Cooking with "moist heat", typically in a covered pot with a small amount of liquid.
BROIL	Cooking food with high heat with the heat applied directly to the food, most commonly from above. Heat transfer to the food is primarily via radiant heat.
COMBI_HEAT	Type of preparation in devices in which the heating of food is possible with different methods used together. For example: • Microwave combined with hot air: Use this function to rapidly bake the foods. • Grill combined with fan: Use this function to bake evenly the food and at the same time brown their surface.
COMBI_STEAM	Type of preparation in a device that additional to the function of a convection oven is able to generate steam. By transmitting the temperature to the food via steam and convection cooking, times in Combi ovens are shorter than in general preparation types and the product loses less moisture.
CONVECTION	A cooking method which utilizes a convection oven which imparts heat assisted by fans to force air movement, as opposed to a conventional oven, which relies on convective heat transfer unassisted by fans. By moving fast hot air past the food, a convection oven operates at a lower temperature than a conventional oven. The air circulation, or convection, tends to eliminate "hot spots" and thereby cooking food more quickly and evenly.
DEEP_FRY	Cooking method whereby food is submerged in hot oil or fat.
DOUBLE_STEAM	Cooking technique to prepare delicate food such as bird nests, shark fins etc. The food is covered with water and put in a covered ceramic jar.

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FREEZE	Convert the product from room temperature to a frozen state.
FRY	Cooking of food in fat.
GRIDDLE_FRY	Form of cooking where the food is fried with its own fat.
GRILL	Form of cooking that involves direct heat. The definition varies widely by region and culture.
HEAT_AND_SERVE	Prepare the item by simply heating or warming to a desired temperature or visual state prior to serving.
MICROWAVE	Cooking food by employing microwave radiation.
MIX	Mixing of powders in water or milk.
PAN_FRY	Form of frying characterised by the use of less cooking oil than deep frying
POACH	Cooking food by gently simmering food in liquid, generally water, stock or wine.
PREPARED	The state of the product after preparation (e.g. after adding milk or water).
PRESSURE_COOK	Method of cooking in a sealed vessel that does not permit air or liquids to escape below a preset pressure.
PRESSURE_FRY	Meat and cooking oil are brought to high temperatures while pressure is held high enough that the water within is prevented from boiling off.
READY_TO_DRINK	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
READY_TO_EAT	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
RECONSTITUTE	Restore a dry or concentrated food to its original strength or consistency by adding water.
REFRIGERATE	Convert the product from room temperature to a chilled state.
ROAST	Cooking method that uses dry heat, whether an open flame, oven, or other heat source.
ROTISSERIE	Style of roasting where meat is skewered on a spit and revolves over a flame.
SAUTE	Cooking food using a small amount of fat in a shallow pan over relatively high heat.
SEAR	Technique used in grilling, roasting, braising, sautéing, etc. That cooks the surface of the food (usually meat, poultry or fish) at high temperature so that a caramelised crust forms.
SIMMER	Cook food by heating it in water kept just below the boiling point (same as coddling).

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SMOKE	Process of curing, cooking, or seasoning food by exposing it for long periods of time to the smoke from a wood fire.
STEAM	Cooking by first boiling the water so it will evaporate into steam, then the steam will carry heat to the food, thus achieving heating the food.
STEW	Preparing meat cut into smaller pieces or cubes by simmering it in liquid, usually together with vegetables.
STIR_FRY	Chinese cooking technique used because of its fast cooking speed.
THAW	Convert the product from a frozen state to a chilled or room temperature state.
UNPREPARED	The initial state of the product.
UNSPECIFIED	Unknown, not applicable
WHIP	To beat ingredient(s), such as egg whites, cream, etc., using a wire whisk or rotary/electric beater in order to incorporate air into the existing product, thereby increasing volume/stability.

6.177. Prescription Type Code

GS1 Code List	**PrescriptionTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**

Code Value	**Code Definition**
HOSPITAL_PRESCRIPTION	Available only through a hospital when prescribed by a doctor.
HOSPITAL_PRESCRIPTION_REQUIRED_FOR_FIRST_PRESCRIPTION	This pharmaceutical or medical device must be prescribed for the first time at a hospital.
NO_PRESCRIPTION_REQUIRED	No prescription is needed for this trade item.
PRESCRIPTION_REQUIRED_ANY_LICENSED_PRESCRIBER	A prescription is required and may be prescribed by any licensed prescriber.
SPECIALIST_PRESCRIPTION_REQUIRED	Medical Device of pharmaceutical must be prescribed under the direction of a specialist authorised to prescribe the trade item.

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6.178. Preservation Technique Type Code

GS1 Code List	PreservationTechniqueTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ACIDIFICATION	Dropping pH of food
ALCOHOL_CURING	Treatment of food by adding alcohol in order to preserve the product
ATTESTED_MILK	Raw Milk (without heat treatment)
BOILING	Cooking
BRINING	Water saturating or strongly impregnating with salt
CANNING	Preserved in a sealed airtight container, usually made of tin-coated iron
COLD_SMOKE_CURING	To smoke the food at between 70 degrees to 90 degrees F.
CONSERVE	Keep from harm or damage
DEHYDRATION	To remove water from food
DRYING	Making with moisture having evaporated, drained away
FERMENTATION	Any of a group of chemical reactions induced by living or nonliving ferments that split complex organic compounds into relatively simple substance
FREEZE_DRYING	Preserving food by freezing and then drying in a vacuum
FREEZING	Turning into ice or another solid by cold
HIGH_TEMPERATURE_TREATED_MILK	Legally also pasteurisation, MHD for longer (about 2 to 3 weeks), ESL-milk
HOT_SMOKE_CURING	Hot-smoking partially or totally cooks the food by treating it at temperatures ranging from 100 degrees to 190 degrees F.
IONISATION	To convert into an ion or ions
IRRADIATION	Food irradiation is the process of exposing food to ionising radiation in order to disinfest, sterilise, or preserve food.
PASTEURISATION	Partially sterilisation by heating
QUICK_FREEZING	Freezing (food) rapidly so as to preserve its qualities
SALT_CURING	Preserving by using a salt brine
SOUS_VIDE	Low temperature long time cooking under vacuum
STERILISATION	A process that effectively kills or eliminates transmissible agents (such as fungi, bacteria, viruses, spore forms, etc.).
SUGAR_CURING	Treatment of food by adding sugar in order to preserve the product
ULTRA_HIGH_TEMPERATURE	Ultra heat treated (especially for milk)
UNDER_MODIFIED_ATMOSPHERE	Packed with a gas with protective proprieties

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VACUUM_PACKED	Sealed after the partial removal of air

6.179. Price By Measure Type Code

GS1 Code List	PriceByMeasureTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AREA	Priced by area defined typically as the extent of a two-dimensional surface or shape
COUNT	Priced by count
LENGTH	Priced by length
VOLUME	Priced by volume
WEIGHT	Priced by weight.

6.180. Price Comparison Content Type Code

GS1 Code List	PriceComparisonContentTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DRAINED_WEIGHT	The weight of a product when all liquids used in the packaging of the product have been removed.
INCLUDING_ADDITIVES	Specified using millilitres, litres or fluid ounces of as unitOfMeasure (allows calculation of price per litre/pint drink including additives other than water).
PER_CUBIC_METRE	The Price Comparison Content specified may be used to calculate the price per cubic metre.
PER_DAILY_DOSE	Specified using PCE as unit of measure (price per daily dose).
PER_DOSE	Specified using pieces as unit of measure.
PER_KILOGRAM	Specified using gram or kilogram as unitOfMeasure (allows calculation of price per kilogram).
PER_LITRE	Specified using millilitre or litre as unitOfMeasure (allows calculation of price per litre).
PER_LOAD	Specified using pieces as unit of measure (allows calculation of price per load - used for washing up powder).
PER_METRE	Specified using metre as unitOfMeasure (allows caclulation of price per metre).

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PER_PIECE	Specified using pieces as unitOfMeasure (allows calculation of price per piece).
PER_PINT	Specified using fluid ounce as unitOfMeasure (allows calculation of price per pint)
PER_POUND	Specified using Ounce as unitOfMeasure (allows calculation of price per pound)
PER_SQUARE_METRE	The Price Comparison Content specified may be used to calculate the price per square metre.
PER_WASH	Specified using pieces as unitOfMeasure (allows calculation of price per wash - used for washing detergent).
PER_YARD	Specified using inches as unitOfMeasure (allows calculation of price per yard)
READY_TO_DRINK	Specified using millilitre or litre or fluid ounces as unitOfMeasure (allows calculation of price per litre/pint diluted drink).
READY_TO_EAT	Specified using grams, kilograms, or ounces as unitOfMeasure (allows calculation of price per kilogram/pound prepared food).

6.181. Prize Type Code

GS1 Code List	**PrizeTypeCode**	
GS1 Code List Version	**R1**	
Managing Agency	**ONIX**	
Based on Code List	**n/a**	
Type Of Management	**External**	
Code Value	**Code Name**	**Code Definition**
01	Winner	Not available
02	Runner-up	Named as being in second place
03	Commended	Not available
04	Short-listed	Nominated by the judging process to be one of the final 'short-list' from which the winner is selected
05	Long-listed	Nominated by the judging process to be one of the preliminary 'long-list' from which first a short-list and then the winner is selected
06	Joint winner	Co-winner

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6.182. Product Activity Type Code

GS1 Code List	ProductActivityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ASSEMBLY	The place where product is assembled.
BIRTH	The place the animal was born/hatched. The place may be a country, region (land or sea), city, etc. The actual birth place of a particular animal would be transactional. Note: the term animal includes but is not limited to mammals, birds, fish and crustaceans.
BOTTLING	The place in which the beverage is bottled.
CATCH_ZONE	The sea zone in which the seafood in the trade item was caught.
FARMING	The cultivation of animals, plants, fungi, and other life forms
LAST_PROCESSING	The place where the trade item or ingredient was last processed and tested before importation.
REARING	The place the animal was raised after birth to the end of the animals' life. The place may be a country, region (land or sea), city, etc. The actual rearing place(s) of a particular animal would be transactional. Guidance: If the animal was raised in multiple locations, one instance of the attribute should be populated (e.g. reared in Spain and Portugal). If the animal may have been raised in a single location but for a particular animal it is transactional, it is suggested to populate the attribute for each possibility of location an animal may have come from (e.g. Instance 1 - reared in Spain, instance 2 - Reared in Portugal). Note: the term animal includes but is not limited to mammals, birds, fish and crustaceans.
SLAUGHTER	The place the animal was killed to be processed for food or other purposes. The place may be a country, region (land or sea), city, etc. The actual slaughter place of a particular animal would be transactional. Note: the term animal includes but is not limited to mammals, birds, fish and crustaceans.

6.183. Product Characteristic Code

GS1 Code List	ProductCharacteristicCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
alcoholicBeverageCharacteristicDescription	The descriptive text that product brands used to describe the taste, aroma and such of the alcoholic beverage. For example: tawny, tannins, wood, earthy, flavours, bouquets, etc.
averageLife	Average Life is the time the consumer can expect based upon usage that the trade item will last them. For example light bulbs average life might be 1700 hours, or a candle

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	may burn for 8 hours. Note, this characteristic uses productCharacteristicValueMeasurement for the associated value.
colourOfAlcoholicBeverage	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the product manufacturer to indicate the colour of an alcoholic beverage.
hairColorPermanence	The value of how long a hair colouring will last from the time applied for example Temporary, Wash Out, 3 weeks, etc.
isMaternity	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the product manufacturer to identify if the product is intended as maternity wear.
numberOfPlys	The number of layer(s) of paper or wood, such as with toilet paper, tissue paper, paper towels or plywood for example 1,2,3.
sweetnessLevelOfAlcoholicBeverage	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the manufacturer to identify a specific level of sweetness of wine or alcohol.
tamponAbsorbencyLevel	The value for absorbency level as determined within the EU based upon number of drops of liquid tampon could absorb.
typeOfBottleClosure	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the manufacturer to identify the type of closure of the beverage bottle.

6.184. Product Genre Type Code (Electronic Games)

GS1 Code List	ProductGenreTypeCode (Electronic Games)
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ACTION	Games are characterized by game play with emphasis on combat.
ADULT	Games intended for an adult audience.
ADVENTURE	Games which cast the player as the protagonist of a story, normally requiring the player to solve various puzzles by interacting with people or the environment, most often in a non-confrontational way.
EDUCATIONAL	Games that attempt to teach the user using the game as a vehicle.
FIGHTING	Games where players face off against each other or against computer-controlled characters in close combat.
MUSIC	Games that challenge the player to follow sequences of movement or develop specific rhythms.
OTHER	Product genre that is a categorization other than the specific genres listed on this code list.
PUZZLE	Games that require the player to solve logic puzzles or even navigate

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	complex locations such as mazes.
RACING	Games that place the player in the driver's seat of a high-performance vehicle and require the player to race against other drivers or sometimes just time.
ROLE_PLAYING	Games that have the player acting in the role of a specific type of "adventurer" or "adventurers" who specializes in a certain set of skills (such as combat, or casting magic spells) while moving through a linear predetermined storyline.
SHOOTER	Games that emphasize shooting and armed combat.
SIMULATION	Games that aim to simulate an experience, such as flying an aircraft, as realistically as practically possible, taking into account physics and other real-world limitations.
SPORTS	Games that emulate the playing of traditional physical sports. Some emphasize actually playing the sport, while others emphasize the strategy behind the sport.
STRATEGY	Games that require careful and skilful thinking and planning in order to achieve victory.
TRADITIONAL	Games that are based on popular board games or card games.
WRESTLING	Fighting games based on the sport of wrestling.

6.185. Product Genre Type Code (Film)

GS1 Code List	ProductGenreTypeCode (Film)
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ACTION	A film genre where one or more characters face a series of challenges that require physical feats, extended fights and frenetic chases.
ACTION_DRAMA	Combination of action film and a drama.
ACTION_ADVENTURE	Combination of action film and adventure.
ACTION_COMEDY	Combination of action and comedy.
ACTION_THRILLER	Combination of action and thriller.
ADULT	Film targeted towards adults only containing mature material.
ADULT_ANIME	Animation that is targeted at adults.
ADVENTURE	A film including action scenes exploring exotic locations in an energetic way.
ANIME	An animated genre orginating in Japan.
ANIMATION	The rapid display of a sequence of images of artwork in order to create an illusion of movement.
ANIMATED_COMEDY	Animated comedy.
BLACK_COMEDY	A comic work that employs dark humour.
BIOPIC_DRAMA	Not Available

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CHILDREN	A genre targeted at younger children.
CINE_LATINO	Not Available
CLASSICS	Older films.
COMEDY	A genre of film in which the main emphasis is on humor. They are designed to elicit laughter from the audience.
CRIME	Films which focus on the lives of criminals. The stylistic approach to a crime film varies from realistic portrayals of real-life criminal figures, to the far-fetched evil doings of imaginary arch-villains
CRIME_ACTION	Combination of crime and action film.
DARK_COMEDY	A comic work that employs dark humour.
DOCUMENTARY	Nonfictional motion pictures intended to document some aspect of reality, primarily for the purposes of instruction or maintaining a historical record.
DRAMA	A film genre that depends mostly on in-depth development of realistic characters dealing with emotional themes.
DRAMA_COMEDY	A genre of theatre, film, and television that combines elements of comedy and drama, having both humorous and serious content
DRAMA_ROMANCE	Combination of drama and romance.
EROTIC_THRILLER	A film and literary sub-genre which consists of a mixture between erotica and thriller.
FINE_ART_FOREIGN	Not Available
FAMILY	A film genre that is designed to appeal to a variety of age groups and, thus, families.
FANTASY_SCI_FI	Fantasy combined with science fiction.
GAY_LESBIAN_CINEMA	Material targeted towards a gay/lesbian audience.
GAY_LESBIAN_ADULT	Mature material targeted towards a gay/lesbian audience.
HOBBIES_COOKING_CRAFT_REPAIR	Special interest material concerning hobbies, creating crafts, cooking and repair.
HORROR	A movie genre playing on the audience's fears.
HEALTH_FITNESS	Special interest material concerning health and fitness.
INSTRUCTIONAL	Educational films on a variety of subjects.
MARTIAL_ARTS	A sub-genre of the action film, martial arts films contain numerous fights between characters.
MATURE	A genre targeted to mature audiences only.
MISCELLANEOUS	Not Available
MUSICAL	A film genre in which songs sung by the characters are interwoven into the narrative, sometimes accompanied by dancing.
MYSTERY	A sub-genre of the more general category of crime film and at times the thriller genre.
MUSIC_VIDEO	A short film integrating a song and imagery, produced for promotional or artistic purposes.
POLITICAL_DRAMA	A play, film or TV program that has a political component, whether reflecting the author's political opinion, or describing a politician or series of political events.

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RELIGIOUS	Film focusing on religious materials.
ROMANTIC_COMEDY	Films with humorous plots centered on romantic ideals.
ROMANCE	Love stories that focus on passion, emotion, and the affectionate involvement of the main characters and the journey that their love takes through courtship or marriage.
ROMANTIC_DRAMA	Love stories combined with dramatic elements.
SCI_FI	A film genre that uses science fiction: speculative, science-based depictions of phenomena that are not necessarily accepted by mainstream science, such as extraterrestrial life forms, alien worlds, extrasensory perception, and time travel, often along with futuristic elements such as spacecraft, robots, cyborgs, interstellar space travel or other technologies.
SCI_FI_ACTION	Science fiction combined with action.
SCI_FI_ADVENTURE	Science fiction combined with adventure.
SCI_FI_COMEDY	Science fiction combined with comedy.
SCI_FI_HORROR	Science fiction combined with horror.
SPECIAL_INTEREST	Not Available
SPORTS_GAMES	Not Available
SPY_THRILLER_DRAMA	Thriller focusing on spys.
SUSPENSE	Films that use suspense, tension and excitement as the main elements
SUSPENSE_THRILLER	Combination of suspense and thriller.
TELEVISION	A feature film that is a television program produced for and originally distributed by a television network, in contrast to many films explicitly made for showing in movie theaters.
THRILLER	A broad genre of film that uses suspense, tension and excitement as the main elements.
TRAVEL	Film about travel.
URBAN_MUSICAL	Musical taking place in a urban environment.
URBAN_WESTERN	Not Available
WAR_DRAMA	Drama set in the environment of an armed conflict.
WESTERN	Films set in the American West that reference the spirit, the struggle of the new frontier.

6.186. Product Genre Type Code (Music)

GS1 Code List	**ProductGenreTypeCode (Music)**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
ADULT_CONTEMPORARY	A broad style of popular music ranging from lush vocal music to ballads with varying degrees of rock influence.

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BLUES	A musical form is characterized by specific chord progressions, of which the twelve-bar blues chord progression is the most common.
CHILDREN	Music targeted to early childhood audiences.
CHRISTMAS	A genre of music normally performed or heard around the Christmas season
CLASSICAL	Music produced in, or rooted in, the traditions of western liturgical and secular music.
COUNTRY	An American musical style that began in the rural Southern United States in the 1920s.
DANCE_ELECTRONICA	Also known as Techno. A style of Electronic music that originated in the early-to-mid-1990s in multiple locations including Rotterdam, New York City and Newcastle, Australia. The style is typified by a fast tempo (160-300 beats per minute and up) and the rhythmic use of distorted and atonal industrial-like beats and samples.
ETHNIC	Music originating among the common people of a nation or region.
FOLK	An English term encompassing both traditional and contemporary folk music. The term originated in the 19th century but is often applied to music that is older than that. Traditional folk music has been defined in several ways: as music transmitted by mouth, as music of the lower classes, and as music with unknown composers. It has been contrasted with commercial and classical styles. This music is also referred to as traditional music and, in US, as "roots music".
HARD_ROCK	A form of loud, aggressive rock music
HIP_HOP_RAP	Hip hop music, also known as rap music, is a style of music which came into existence in the United States during the mid-1970s, and became a large part of modern pop culture during the 1980s. It consists of two main components: rapping (MCing) and DJing (production and scratching).
INSTRUMENTAL	A musical recording without lyrics or singing.
JAZZ	A musical style that originated at the beginning of the 20th century in African American communities in the Southern United States.
LATIN	A series of musical styles and genres that mixes influences from Spanish, African and Native Latin American sources
LATIN_POP	Pop music with latin elements.
MEXICAN	Traditional music from Mexico.
NEW_AGE	Music of various styles intended to create artistic inspiration, relaxation, and optimism.
ORIGINAL_CAST_SOUNDTRACKS	Music as they were performed in the show and experienced by the audience and features the voices of the show's original cast.
REGGAE	Music most easily recognized by the rhythmic accents on the off-beat, usually played by guitar or piano (or both), known as the *skank*.
RELIGIOUS	Music performed or composed for religious use or through religious influence.
RHYTHM_BLUES	Rhythm and Blues (also known as R&B or RnB) is a popular music genre combining jazz, gospel, and blues influences, first performed by African American artists.
SEASONAL	Music associated with religious or other holidays.
SOFT_ROCK	A style of music which uses the techniques of rock music (often combined with elements from folk rock and singer-songwriter pop) to compose a

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	softer, more toned-down sound.
SPOKEN_WORD	A form of poetry that often uses alliterated prose or verse and occasionally uses metered verse to express social commentary
TEJANO	The name given to various forms of folk and popular music originating among the Mexican-American populations of Central and Southern Texas
TROPICAL	A broad term for vocal and instrumental music with "tropical" flavor usually associated with the Afro-Caribbean music.
URBAN	Not Available

6.187. Product Yield Type Code

GS1 Code List	ProductYieldTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AFTER_COOKING	Weight or volume of food product after it has been prepared.
AFTER_DILUTION	Volume of food product after a fluid has been added.
DRAINED_WEIGHT	Weight of food product after the fluid in which the food product was preserved has been removed.
UNSPECIFIED	Product yield type is unknown or irrelevant.

6.188. Promotion Type Code

GS1 Code List	PromotionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BONUS_PACK	The free quantity promotional trade item contains free additional quantities. The additional quantity is written on the package as free.
FREE_COMPONENTS	It contains free included components or material. The price is lower since the trade item includes a part of its content free. The free quantity is written on the package.
FREE_GIFT_ATTACHED	A free object linked to the consumer trade item (not a sample) for example a free glass, or a free recipe book.
FREE_QUANTITY	It contains free quantity, a “special offer” sticker on the package indicates the promotional offer but the free quantity is not written on the package. If the free quantity promotional offer results in a change of GTIN and the quantity of product is the same as the standard trade item, it qualifies as a free quantity promotional trade item. The linkage has to be provided.
MULTI_PACK_AND_COMBINATI	It is a promotional grouping with included free quantity. The grouping is

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ON_PACK	created for promotional activities only. In the grouping a part of the quantity is free.
SAMPLE	A product that is not the product contained in the standard trade item but given together with the product of the standard trade item for free. This added product is contained in the package of the standard trade item or attached to it.
SPECIAL_PACKAGING	A new presentation for the consumer trade item for a promotion decided by the brand owner. It could be a special tin box to package the consumer trade item.

6.189. Proof of Optimized Packaging Weight Standard Code

GS1 Code List	ProofOfOptimizedPackagingWeightStandardCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EN13428	The CEN (the European Committee for Standardization) standard on reusable packaging
EN13428_ISO18602	Both EN13428 and ISO18602.
ISO18602	ISO standards in the field of packaging and the environment
OTHER	Code value not available in code list.

6.190. Proof of Packaging Weight Reduction Standard Code

GS1 Code List	ProofOfPackagingWeightReductionStandardCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EN13428	The CEN (the European Committee for Standardization) standard on reusable packaging
EN13428_ISO18602	Both EN13428 and ISO18602.
ISO18602	ISO standards in the field of packaging and the environment
OTHER	Code value not available in code list.

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6.191. Protective Equipment Body Area Code

GS1 Code List	ProtectiveEquipmentBodyAreaCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
EYE	Protection of eyes.
FEET	Protection of feet.
HANDS	Protection of hands
OTHER	Other area not on this list.
RESPIRATORY	Protection of airways, lungs and respiratory muscles.
SKIN	Protection of skin.

6.192. Rating Content Descriptor Code (ESRB)

GS1 Code List	RatingContentDescriptorCode (ESRB)
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALCOHOL_REFERENCE	Reference to and/or images of alcoholic beverages.
ANIMATED_BLOOD	Discoloured and/or unrealistic depictions of blood.
BLOOD	Depictions of blood.
BLOOD_AND_GORE	Depictions of blood and mutilated body parts.
CARTOON_VIOLENCE	Violent actions involving cartoon-like situations and characters. May include violence where a character is unharmed after the action has been inflicted.
COMIC_MISCHIEF	Depictions or dialogue involving slapstick or suggestive humour.
CRUDE_HUMOR	Depictions or dialogue involving vulgar antics, including “bathroom” humour.
DRUG_REFERENCE	Reference to and/or images of illegal drugs.
EDUTAINMENT	Content of product provides user with specific skills development or reinforcement learning within an entertainment setting. Skill development is an integral part of the product.
FANTASY_VIOLENCE	Violent actions of a fantasy nature, involving human or non-human characters in situations easily distinguishable from real life.
INFORMATIONAL	Overall content of product contains data, facts, resource information, reference materials or instructional text.
INTENSE_VIOLENCE	Graphic and realistic-looking depictions of physical conflict. May involve extreme and/or realistic blood, gore, weapons, and depictions of human injury

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	and death.
LANGUAGE	Mild to moderate use of profanity.
LYRICS	Mild references to profanity, sexuality, violence, alcohol, or drug use in music.
MATURE_HUMOR	Depictions or dialogue involving "adult" humour, including sexual references.
MILD_VIOLENCE	Mild scenes depicting characters in unsafe and/or violent situations.
NUDITY	Graphic or prolonged depictions of nudity.
PARTIAL_NUDITY	Brief and/or mild depictions of nudity.
REAL_GAMBLING	Player can gamble, including betting or wagering real cash or currency.
SEXUAL_THEMES	Mild to moderate sexual references and/or depictions. May include partial nudity.
SEXUAL_VIOLENCE	Depictions of rape or other sexual acts.
SIMULATED_GAMBLING	Player can gamble without betting or wagering real cash or currency.
SOME_ADULT_ASSISTANCE_MAY_BE_NEEDED	Intended for very young ages.
STRONG_LANGUAGE	Explicit and/or frequent use of profanity.
STRONG_LYRICS	Explicit and/or frequent references to profanity, sex, violence, alcohol, or drug use in music.
STRONG_SEXUAL_CONTENT	Graphic references to and/or depictions of sexual behaviour, possibly including nudity.
SUGGESTIVE_THEMES	Mild provocative references or materials.
TOBACCO_REFERENCE	Reference to and/or images of tobacco products.
USE_OF_DRUGS	The consumption or use of illegal drugs.
USE_OF_ALCOHOL	The consumption of alcoholic beverages.
USE_OF_TOBACCO	The consumption of tobacco products.
VIOLENCE	Scenes involving aggressive conflict.

6.193. Rating Content Descriptor Code (PEGI)

GS1 Code List	**RatingContentDescriptorCode (PEGI)**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
BAD_LANGUAGE	Bad Language: Game contains bad language including mild swearing or offensive language in games rated 12, or blasphemy and sexual expletives in games rated 16 or 18
DISCRIMINATION	Discrimination Game: Contains depictions of /or material which may encourage discrimination. Games rated 18 containing depictions of ethnic, religious, nationalistic of other stereotypes that could encourage hatred.
DRUGS	Drugs Game: Definition: refers to or depicts the use of drugs encourages the use of tobacco or alcohol in games rated 16 or depict illegal drugs in 18-rated titles

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FEAR	Fear Game: May be frightening or scary for young children contains images or sounds that could be frightening to young children
GAMBLING	Gambling: Definition: Game that encourages or teaches gambling games rated 12, 16 or 18 that may encourage or teach gambling for money normally played in casinos, gambling halls, racetracks, etc.
ONLINE	Online Game: Game can be played online with or against other players.
SEX	Sex Game: Depicts nudity and/or sexual behaviour or sexual references ranging from obvious sexual innuendo to explicit images of sexual activity.
VIOLENCE	Game contains depictions of violence ranging from cartoon-style or slapstick violence to more realistic-looking violence or blood and gore.

6.194. Rating Content Descriptors Code (Film)

GS1 Code List	**RatingContentDescriptorCode** (Film)
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
AH	Adult Humour
AL	Adult Language
AS	Adult Situations
BN	Brief Nudity
CC	Child classic
DC	Drug Content
EC	Excellent for Children
G	Gore
GV	Graphic Violence
MV	Mild Violence
N	Nudity
NC	Not for Children
OK	Okay for Children
P	Profanity
QC	Questionable for Children
SA	Substance Abuse (Alcohol, Drugs)
SC	Strong Sexual Content
SS	Sexual Situations
SV	Sexual Violence
V	Violence

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6.195. Rating Content Descriptor Code (Music)

GS1 Code List	**RatingContentDescriptorCode** (Music)
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
EL	Explicit Lyrics

6.196. Recommended Consumer Pickup Area Code

GS1 Code List	**RecommendedConsumerPickupAreaCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
SELF_SERVICE	The product should be placed in an area where the consumer can self serve themselves to their purchase needs. The product may have been portioned
SERVICE_COUNTER	The product is recommended to be placed at a location where an employee from the trading partner will need to portion

6.197. Recommended Status Code

GS1 Code List	**RecommendedStatusCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
NOT_REQUIRED	Protective equipment is not required.
RECOMMENDED	It is advised that protective equipment should be worn.
REQUIRED	Protective equipment must be worn.

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6.198. Referenced File Type Code

GS1 Code List	ReferencedFileTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AUDIO	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
CERTIFICATION	Document which contains a special certification by a third party (e.g. International Food Standard [IFS], QS-Approval Mark for meat product, sausage, fruit, vegetables and potatoes or bio audits).
CHEMICAL_ASSESSMENT_SUMMARY	Link to a file containing the chemical ingredient information sent to the supplier from a third party as a result of the assessment.
CHEMICAL_SAFETY_REPORT	Link to the file containing a report detailing the risks arising from the manufacture and/or use of a substance and to ensure that they are adequately controlled.
CHILD_NUTRITION_LABEL	Link to a file containing the Child Nutrition Label as formatted according to regulations and rules of an appropriate regulatory body for the target market.
CONSUMER_HANDLING_AND_STORAGE	Link to a website, file, or image containing the manufacturer's recommendations for how the consumer or end user should store and handle the product.
CROSSSECTION_VIEW	A picture of a trade item with a cut away vertical plane removed (e.g. Cross-section of a Tire revealing steel belts and tire tread detail).
DIET_CERTIFICATE	Link to a website or file containing a diet certificate granted to the product
DOCUMENT	Link to a document or text file containing product information. Examples of this type could be an instruction manual, assembly guide, or warranty document.
DOP_SHEET	Link to a file containing the product's Declaration of Performance Sheet (DOP). This file can be either an image or a document.
ENERGY_LABEL	Link to the energy label for a trade item. On 19 May 2010, the EU adopted the Directive 2010/30/EU on energy labels. Energy labels help consumers choosing products which save energy and thus money. They also provide incentives for the industry to develop and invest in energy efficient product design. They are found on a selection of white goods and other products and are designed to help customers see how energy efficient a model is before they buy.
GROUP_CHARACTERISTIC_SHEET	Definition not available.
HAZARDOUS_SUBSTANCES_DATA	Link to a file where to locate the 'out of network data' additional data concerning the control of substances can be found.
IFU	Link to a file containing the Instructions For Use (IFU). This type of file is primarily used in conjunction with ingestible products, regardless of species.
INTERNAL_VIEW	The picture of the inside of a trade item mainly used for non food products (e.g., The inside of a refrigerator or the inside of a suitcase).
LOGO	Link to a file containing the Manufacturer or Brand Logo(s) associated

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	with the product.
MARKETING_INFORMATION	Link to a file with product information associated with selling a product or service.
MOBILE_DEVICE_IMAGE	Trade Item image that represents the image the manufacturer supplies to the consumer for mobile device applications
OTHER_EXTERNAL_INFORMATION	Link to a file containing product information of an unspecified type.
OUT_OF_PACKAGE_IMAGE	Link to an image of an item out of its packaging and, if necessary, assembled ready for use by the end user. This type of file is subject the current version of the GDSN Product Image Specification Standard.
PLANOGRAM	Link to a file illustrating how and where retail products should be displayed.
PRODUCT_FORMULATION_STATEMENT	Link to a file containing the Product Formulation Statement, in lieu of a Child Nutrition Label, as formatted according to regulations and rules of an appropriate regulatory body for the target market.
PRODUCT_IMAGE	Link to a file containing a visual representation of the product.
PRODUCT_WEBSITE	Link to a website containing product specific information. Examples of this could be a link to a website dedicated to the product or a link to the area within the manufacturer or brand owner website that contains the product information
PRODUCT_LABEL_IMAGE	Link to a file containing a visual representation of the product label.
QUALITY_CONTROL_PLAN	Document which detailed information about the quantity of laboratory/analytical tests and the evaluated parameters.
RECIPE_WEBSITE	Link to a website containing recipes associated with the product
REGULATORY_INSPECTION_AUDIT	Inspection report of the inspections. For example foodstuffs, pharmaceuticals and other types of products that are regulated.
RISK_ANALYSIS_DOCUMENT	Document which describes how the supplier assured the quality control of the end products or during the production process. The process can be a supplier internal control system, a simple kind of risk analysis or systematic preventive approach according Hazard Analysis and Critical Control Points (HACCP).
SAFETY_DATA_SHEET	Link to a file containing the product's Safety Data Sheet (SDS). This file can be either an image or a document
SAFETY_SUMMARY_SHEET	A link to a summary sheet document that is available to workers to understand how to deal with chemicals in an emergency situation.
SAMPLE_SHIPPING_ORDER	Document is a sample shipping order. A sample shipping order isn´t needed for every item (GTIN), but a shipping order can differ from GTIN to GTIN. E.g. in case an item is an organic product the sample shipping order needs to contain the organic product origin number according article 31 of the implementing regulations EG Nr. 889/2008. For non-organic items this information isn´t needed.
TESTING_METHODOLOGY_RESULTS	Document which contains microbiological and physico-chemical findings of the product which are observed during product testing.
TRADE_ITEM_DESCRIPTION	Identifies the reference to an external description of a Trade Item. The link (e.g. URL) to the external description. will be in the appropriate attribute
TRADE_ITEM_IMAGE_WITH_DIMENSIONS	Link to a website, file, or image containing the product's image with its dimensions. This especially important for built-in products as ovens and fridges. Ex : http://www.docstoc.com/docs/125126778/GSS-GEW-Food-Savers-Food-Storage-Containers.
VIDEO	Link to a file containing a video clip which is relevant to the product. Examples are commercials, trailers, or instructional/ how to use video files.
WARRANTY_INFORMATION	Link to a file with information associated with any guarantee given by a

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	company stating that a product is reliable and free from known defects and that the seller will, without charge, repair or replace defective parts within a given time limit and under certain conditions.
WEBSITE	Link to a website containing product or manufacturer information.
ZOOM_VIEW	A picture of a portion of a trade item (e.g., the wheels of a suitcase or the ingredients list of a food trade item).

6.199. Referenced Trade Item Type Code

GS1 Code List	ReferencedTradeItemTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DEPENDENT_PROPRIETARY	Dependent trade items are Trade Items which may be required or which may be used in conjunction with the current trade item to make the current trade item functional.
EQUIVALENT	A product which can be substituted for the trade item based on supplier-defined functional equivalence to the trade item.
ITEM_VARIANT_MASTER	Another trade item of which this trade item is a variant. Used when the trade item is a variant of a previously specified trade item for example a new flavour of an existing soft drink. This reference may be used when the trade item has identical package type, physical dimensions and brand name as the itemVariantMaster trade item. This attribute only creates a logical link to a similar product. It is not used to negate the need for sending all item information about this product.
PREFERRED	A GTIN identification assigned by the manufacturer for the purpose of grouping multiple versions of the same title (e.g. limited edition, etc.).
PRIMARY_ALTERNATE	A Trade Item that is similar to the current Trade Item but is not exact match. Same form fit function, e.g. same product different colour, different package size, better quality.
REPLACED_BY	The trade item which permanently replaces the current trade item. This Trade Item is sent in the record for the original item that is being replaced.
REPLACED	Indicates the trade item identification of an item that is being permanently replaced by this trade item.
SUBSTITUTED_BY	The trade item that is temporarily replacing the original GTIN. This attribute is used on the original trade item.
SUBSTITUTED	The original trade item that is temporarily being replaced. This attribute is used with the replacement trade item.

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6.200. Regulation Type Code

GS1 Code List	RegulationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AEROSOL_REVERSE_EPSILON	Products complying with all the requirements of the Aerosol Directive are marked with the "reverse epsilon" symbol
AGRICULTURE_PROTECTION_REGULATION	Products complying with EU Council Directive 91/414/EEC. This directive concerning the placing of plant protection products on the market lays down rules and procedures for approval of the active substances at EU-level and for the authorisation at Member State level of plant protection products (PPPs) containing these substances. This Directive states that substances cannot be used in plant protection products unless they are included in a positive EU list. Once a substance is included in the positive list Member States may authorise the use of products containing them.
ANIMAL_ID_HEALTH_MARK	Food business operators, in accordance with Regulation (EC) No 853/2004, should ensure that all products of animal origin that they place on the market, bear either a health mark or an identification mark.
BATTERY_DIRECTIVE	Directive describing the legal requirements on batteries intended to made available on the market provided that such products are labelled, marked or accompanied with commercial documents. Essentially safety and environmental aspects are defined (e.g. obligation of the seller to take batteries back, proscription to throw batteries into the household garbage) for different type of batteries (e.g. batteries used by the end consumer, batteries used in cars). In Germany the law on batteries (BattG) details these rules.
BIOCIDE_REGULATION	The purpose of this Regulation (EU Reg 528/2012) is to harmonise the rules on making available on the market and using biocidal products, whilst ensuring a high level of protection of both human and animal health and the environment. These rules compasses the establishment a list of active substances which may be used in biocidal products and the authorisation of biocidal products.
CE	The CE marking as it has been legally called since 1993 (per directive 93/68/EEC)(DECISION No 768/2008/EC) (abbreviation of French: Conformité Européenne, meaning "European Conformity"[1], formerly EC mark[2]) is a mandatory conformity mark for products placed on the market in the European Economic Area (EEA).

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COMPLIANT_WITH_FAIR_LABOR_STANDARDS_ACT	The FLSA established a national minimum wage guaranteed 'time-and-a-half' for overtime in certain jobs, and prohibited most employment of minors in "oppressive child labor," a term that is defined in the statute. It applies to employees engaged in interstate commerce or employed by an enterprise engaged in commerce or in the production of goods for commerce, unless the employer can claim an exemption from coverage.
COMPLIANT_WITH_FLAMMABILITY_ACT	Definition not available.
COMPLIANT_WITH_FUR_PRODUCT_LABELING_ACT	Requires the country of origin of imported furs to be disclosed on all labels and in all advertising
COMPLIANT_WITH_STATE_ENVIRONMENT_REQUIREMENTS	Definition not available.
COMPLIANT_WITH_TEXTILE_FIBER_PRODUCT_IDENTIFICATION	A US regulation regarding the advertising and labelling of textile fibre products.
COMPLIANT_WITH_WOOL_PRODUCTS_LABELING_ACT	A US regulation that requires anyone who manufacturers or sells products containing wool to accurately label each item with the fibre content and origin
CONSUMER_PRODUCT_SAFETY	A regulation concerning consumer product safety when a government regulates certain products for safety like child car seats, baby cribs etc, For example in the US Consumer Product Safety Commission (CPSC): official Federal Agency including recalls, reports, alerts about products regulated.
COSMETIC_INFORMATION_REGULATION	Regulation (EU Reg 1223/2009) establishing rules to be complied with any cosmetic product made available on the market, a high level of protection of human health and a high degree of protection of the environment. These rules include the necessity to indicate allergens and the displaying of the ingredients used in the product.
DETERGENTS_SAFETY_REGULATION	Regulation (EU Reg 648/2002) establishing rules designed to achieve the free movement of detergents and surfactants for detergents in the market while, at the same time, ensuring a high degree of protection of the environment and human health.
E_MARK	The Estimated Sign (e) (also referred to as "e-mark") is a mark that sometimes can be found on pre-packed goods in Europe. The e-mark indicates that the packaging is filled according to the European Directive 76/211/EEC.
EFFICIENCY_OF_LAMPS_LUMINARIES	A directive defining the energy labeling of electrical lamps and luminaires (e.g. EU Reg 874/2012). This directive deals with environmental aspects as the electricity used by electrical lamps accounts for a significant share of total electricity demand.
EMC_DIRECTIVE	The main objective of the Directive 2004/108/EC of the European Council, of 15 December 2004, is to regulate the compatibility of equipment regarding EMC (Electromagnetic Compatibility).
EU_REGULATION_FOR_FOODSTUFF	Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the

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	European Food Safety Authority and laying down procedures in matters of food safety. For the purposes of this Regulation, "food" (or "foodstuff") means any substance or product, whether processed, partially processed or unprocessed, intended to be, or reasonably expected to be ingested by humans. "Food" includes: drink, chewing gum and any substance, including water, intentionally incorporated into the food during its manufacture, preparation or treatment. It includes water after the point of compliance.
FEED_SAFETY_REGULATION	Regulation (EU Reg 767/2009) to harmonise the conditions for the placing on the market and the use of feed, in order to ensure a high level of feed safety and thus a high level of protection of public health, as well as to provide adequate information for users and consumers.
FOOD_FOR_SPECIAL_PURPOSES	Regulation providing the basis for the assurance of a high level of consumer protection in relation to specialized food like food for infants and young children, food for special medical purposes, and total diet replacement for weight control (e.g. EU Reg 609/2013).
FOOD_INFORMATION_REGULATION	Regulation providing the basis for the assurance of a high level of consumer protection in relation to food information, taking into account the differences in the perception of consumers and their information needs whilst ensuring the smooth functioning of the market. General principles, requirements and responsibilities governing food information, and in particular food labelling rules are established (e.g. EU regulation 1169 / 2011). These rules include the necessity to indicate allergens, the responsible food business operator, the name of the food, the displaying of the ingredients used additives.
FOOD_SUPPLEMENT_DIRECTIVE	Food supplements (EU directive 2002/46/EC) marketed as foodstuffs and presented as such. These products shall be delivered to the ultimate consumer only in a pre-packaged form. Consumer health and safety aspects are in focus as well as to provide adequate information on how to use the product properly.
FREE_PHARMACEUTICAL_PRODUCTS_DIRECTIVE	Directive describing the legal requirements on pharmaceutical products which are commercially available and intended to made available on the market provided that such products are labelled, marked or accompanied with commercial documents. General Consumer safety aspects are in focus like the dosage form linked with an application instruction (e.g. Do not use with alcohol). In Germany the law on medical products (AMG) details these rules.
INTENDED_TO_COME_INTO_CONTACT_WITH_FOOD	Requires that food contact materials a re safe; Must not transfer their components into food in quantities that could endanger human health, change food composition in an unacceptable way or deteriorate its taste and odour. Are manufactured according to good manufacturing practice.
LVD_DIRECTIVE	The Low Voltage Directive (LVD) 2006/95/EC

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	provides common broad objectives for safety regulations, so that electrical equipment approved by any EU member country will be acceptable for use in all other EU countries. The Low Voltage Directive does not supply any specific technical standards that must be met, instead relying on IEC technical standards to guide designers to produce safe products. Products that conform to the general principles of the Low Voltage Directive and the relevant particular safety standards are marked with the CE marking to indicate compliance and acceptance throughout the EU. Conformance is asserted by the manufacturer based on its conformity assessment.
MEDICAL_DEVICE_SAFETY	A directive establishing common rules on the safety, health protection and performance characteristics of medical devices in order to provide the safety and health protection of patients, users and, where appropriate, other persons, with regard to the use of medical devices (e.g. DIRECTIVE 93/42/EEC of the European Council).
PHARMACEUTICAL_PRODUCT_DIRECTIVE	In contrast to the free pharmaceutical directive this directive describing the legal requirements on pharmaceutical products available only in pharmacies. These products have stronger regulations and restrictions to consumer safety aspects. For example the dosage recommendation needs to be explained in detail by the sales staff as well as possible interaction with other pharmaceutical products.
PRODUCT_OF_DAILY_USE_DIRECTIVE	Directive describing the legal requirements on the products of daily use focusing on consumer safety (e.g. do not use with …, not used by children). An example is the German directive BedGgstV.
PROP_65	Containing specific toxicants for a product which contains carcinogens and/or reproductive toxicants established in California's Proposition 65 (Prop 65), The Safe Drinking Water and Toxic Enforcement Act, enacted in 1986. This Act requires the state to publish a list of chemicals known to cause cancer or reproductive harm. Prop 65 applies to suppliers who sell products in the state if their products exceed safe harbour levels established in Prop 65. Safe harbour levels establish thresholds for no significant risk levels (NSRLs) for carcinogens and maximum allowable dose levels (MADLs) for chemicals that cause reproductive toxicity.
RETURNING_OF_ELECTRONICAL_PRODUCT_DIRECTIVE	Directive of the returning of electronic products ensuring a high degree of protection of the environment. This directive defines returning quotes of returning electronical products needs to be fulfilled by the industry and by retailers (e.g. ElektroG in Germany).
ROHS_DIRECTIVE	Is not a quality mark but a European directive 2002/95/EC (stands for Restriction of Hazardous Substances). This directive restricts (with exceptions) the use of six hazardous materials like lead, cadmium and mercury in the manufacture of various types of electronic and electrical equipment.
SECURITY_OF_ELECTRONIC_PRODUCTS_DIRECTIVE	Directive on the safety of electronic products

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	covering consumer health as well as environmental aspects (e.g. German law on product safety ProdSG).
TEXTILE_LABELLING_REGULATION	Regulation (EU Reg 1007/2011). This Regulation lays down rules concerning the use of textile fibre names and related labelling and marking of fibre composition of textile products, rules concerning the labelling or marking of textile products containing non-textile parts of animal origin and rules concerning the determination of the fibre composition of textile products by quantitative analysis of binary and ternary textile fibre mixtures, in order to provide accurate information to consumers.
TOY_SAFETY_DIRECTIVE	Directive, which applies to products designed or intended, whether or not exclusively, for use in play by children under 14 years of age. Health and safety aspects of the child are in focus Amongst others security aspects of toys are defined (e.g. Warning: small components may be swallowed) as well as substances, which are not allowed to use in toys (e.g. softening agents).
UNDERWATER_LIGHTING	The European standard EN 60598-2-18 is recognized by most countries as the safety standard for underwater lighting.
UVA	EU 647 Cosmetic industry worked closely with the European Commission, and COLIPA, currently called COSMETICS EUROPE proposed a UVA labelling symbol. This indicates that the level of UVA protection provided by a product is at least 1/3 ratio of its SPF. Manufacturers will show that their products meet the SPF/UVAPF ratio by displaying the letters “UVA” inside a circle whose diameter should not exceed the height of the SPF number.
VOLATILE_ORGANIC_COMPOUND_COMPLIANT	Organic chemicals that have a high vapour pressure at ordinary, room-temperature conditions. Their high vapour pressure results from a low boiling point, which causes large numbers of molecules to evaporate or sublimate from the liquid or solid form of the compound and enter the surrounding air

6.201. Remote Control Type Code

GS1 Code List	**RemoteControlTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
EARPHONE	A source of sound output that controls the unit by means of an in-line remote control.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.

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OTHER	Value other than the standard values for the list.
STANDARD_SINGLE_DEVICE	A remote control that operates a single device, usually the one it came with.
UNIVERSAL_REMOTE	A remote control that can be programmed to operate various brands of one or more types of consumer electronics devices.

6.202. Rennet Type Code

GS1 Code List	RennetTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANIMAL_RENNET	Rennet derived from animals.
MICROBIAL_RENNET	Rennet derived from mold able to produce proteolytic enzymes.
NO_RENNET	No Rennet
VEGETABLE_RENNET	Rennet derived from vegetable.

6.203. Right Of Return For Non Sold Trade Item Code

GS1 Code List	RightOfReturnForNonSoldTradeItemCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CALL_FOR_AUTHORIZATION	A call to a trading partner is required to obtain authorization to disposition defective, damaged, or otherwise non-saleable goods.
DESTROY_FOR_CREDIT	Trading partner documents and subsequently destroys defective, damaged, or otherwise non-saleable goods and is issued a credit for the material by the other trading partner.
DESTROY_NO_CREDIT	Indicates that in case a product is damaged, defective, or not-sellable it can be returned to the supplier. The supplier will then destroy the item and doesn't give the consumer any money back (i.e.: an old copier).
FULL	The manufacturer has indicated the return policy can be for a full shipment of the merchandise received by the retailer.
HOLD_FOR_INSPECTION	Defective, damaged, or otherwise non-saleable goods are held for inspection and verification by a trading partner prior to the issuance of credit for the material.
NO_POLICY	There is no effective policy regarding the disposal of defective, damage and non-saleable goods
PARTIAL	The manufacturer has indicated the return policy can only be for a partial

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	shipment of the merchandise received by the retailer.
RETURN_FOR_CREDIT	Defective, damaged, or otherwise non-saleable goods are physically returned by a trading partner prior to the issuance of credit for the material.

6.204. ROHS Compliance Failure Material Code

GS1 Code List	ROHSComplianceFailureMaterialCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CADMIUM	A malleable ductile toxic divalent metallic element used in such products as batteries, pigments, and protective platings.
HC	Hexavalent Chromium
LEAD	A soft malleable ductile plastic but inelastic heavy metallic element used in such products as pipes, cable sheaths, batteries, solder.
MERCURY	A silvery-white poisonous metallic element, liquid at room temperature and used in such products as thermometers, barometers, vapour lamps, and batteries
PBB	Polybrominated Biphenyls
PBDE	Polybrominated Diphenyl Ethers

6.205. Route of Exposure Code

GS1 Code List	RouteOfExposureCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DERMAL	Exposure by application to the skin.
INHALATION	Exposure by breathing.
ORAL	Exposure by eating or drinking

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6.206. Run Mode Code

GS1 Code List	RunModeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DOWNLOAD_ACQUISITION	The product is connected to a power source, produces neither sound nor a picture, and is downloading information and/or otherwise communicating with a connected device through a network protocol.
IDLE	A low power mode for electronic devices such as computers and televisions. Note: this mode is similar to standby.
OFF	Product is not fulfilling any function nor is it in standby mode.
ON	Product is fulfilling its primary function.
SLEEP	A low power mode for electronic devices such as computers and televisions. Note: this mode is similar to standby.
STANDBY	Product is not fulfill its primary function but still uses some electrical power.

6.207. SDS Standard Code

GS1 Code List	SDSStandardCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANSI	American National Standards Institute
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
OSHA	Occupational Safety and Health Administration
OTHER	Any other MSDS or SDS standard not specifically included in this list.
RETAILER_REQUESTED	This is the guideline being developed as part of the GS1 Chemical Ingredients Initiative.

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6.208. Season Parameter Code

GS1 Code List	SeasonParameterCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALL_YEAR	For trade items that are not seasonal in nature and apply to all selling seasons.
AUTUMN	For trade items that are seasonal in nature and apply to both the Autumn selling season.
AUTUMN_WINTER	For trade items that are seasonal in nature and apply to both the Autumn and Winter selling seasons.
CARNIVAL	Carnival
CHRISTMAS	Christmas
EASTER	Easter
HALLOWEEN	Halloween
OTHER	Other. See seasonName.
SPRING	For trade items that are seasonal in nature and apply to the Spring selling season.
SPRING_SUMMER	For trade items that are seasonal in nature and apply to both the Spring and Summer selling seasons.
SUMMER	For trade items that are seasonal in nature and apply to Summer selling season.
VALENTINES_DAY	Valentines Day
WINTER	For trade items that are seasonal in nature and apply to the Winter selling seasons.

6.209. Security Tag Location Code

GS1 Code List	SecurityTagLocationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CONCEALED_INSIDE_THE_TRADE_ITEM	Tag is hidden within the trade item.
INTEGRATED_INSIDE_OF_TRADE_ITEM	Tag is inside of trade item but not hidden.
LOCATION_UNSPECIFIED	The trade item has an EAS tag but the specific location is unknown.
ON_OUTSIDE_OF_TRADE_ITEM	Not Available

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6.210. Security Tag Type Code

GS1 Code List	SecurityTagTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ACOUSTO_MAGNETIC_EAS_TAG	Electronic article surveillance tag made of a strip of magnetostrictive, ferromagnetic amorphous metal and a magnetically semi-hard metallic strip.
ELECTRO_MAGNETIC_EAS_TAG	Electronic article surveillance tag made of a strip of amorphous metal (metglas) which has a very low magnetic saturation value.
INK_OR_DYE_EAS_TAG	Electronic article surveillance tag which use ink or dye as a theft deterrent.
MICROWAVE_EAS_TAG	Electronic article surveillance tag made of a non-linear element (a diode) coupled to one microwave and one electrostatic antenna.
RADIO_FREQUENCY_EAS_TAG	Electronic article surveillance tag using an LC tank circuit.

6.211. Serial Number Location Code

GS1 Code List	SerialNumberLocationCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MARKED_ON_PACKAGING	Serial number is on the trade item’s packaging.
MARKED_ON_PACKAGING_INSERT	Serial number is on the trade item’s packaging insert.
MARKED_ON_TRADE_ITEM	Serial number is on the trade item.
NOT_MARKED	The trade item or its packaging is not marked
UNKNOWN	Unknown location of marking.

6.212. Signal Processing Type Code

GS1 Code List	SignalProcessingTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANALOGUE	Encodes television picture and sound information and transmits it as an analogue signal.

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EDTV_INTEGRATED	Formats that deliver a picture that is superior to that of standard-definition television (SDTV), but not as detailed as high-definition television (HDTV).
EDTV_READY	Formats that deliver a picture that is superior to that of standard-definition television (SDTV), but not as detailed as high-definition television (HDTV). . Ready means ready to use with EDTV sources.
HDTV_INTEGRATED	A digital television broadcasting system with higher resolution than traditional television systems.
HDTV_READY	A digital television broadcasting system with higher resolution than traditional television systems. . Ready means ready to use with high definition sources.
SDTV_INTEGRATED	Television systems that have a resolution that meets standards but not considered either enhanced definition or high definition.
SDTV_READY	Television systems that have a resolution that meets standards but not considered either enhanced definition or high definition. Ready means ready to use with SDTV sources.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute

6.213. Size Group Code

GS1 Code List	**SizeGroupCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	
Type Of Management	**n/a**
Code Value	**Code Definition**
BOYS	Clothing size for male children.
GIRLS	Clothing size for female children.
INFANTS	Clothing size for infants.
JUNIORS	Clothing size typically for teenagers.
MATERNITY	Clothing size for
MENS	Clothing size for adult males.
MENS_TALL	Clothing size for adult males of above average height.
MISSES	Clothing size for women typically greater than Juniors.
PETITE	A standard clothing size designed to fit women of shorter height.
WOMENS	Clothing size for adult females.
WOMENS_TALL	Clothing size for adult females of above average height.

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6.214. Size System Code

GS1 Code List	SizeSystemCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	
Type Of Management	n/a

Code Value	Code Definition
AUSTRALIA	The Australian size system.
CONTINENTAL	The Continental European size system.
EUROPE	The European size system.
JAPAN	The Japanese size system.
MEXICO	The Mexican size system.
UK	The United Kingdom size system.
US	The United States size system.

6.215. Size Type Code

GS1 Code List	SizeTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	
Type Of Management	n/a

Code Value	Code Definition
AXLE_WIDTH	Measurement of between the wheels on the front axle.
BACK	Definition not available.
BACK_RISE	Measurement from the top of the waistband to the crotch at the back of the pants.
BAG_HEIGHT	Measurement of how tall the bag stands from the bottom surface to the top of the bag not including straps/handles.
BAG_STRAP_DROP	Measurement of a bag's shoulder/handle length from the top of the bag to the peak of the strap/ handle
BAG_STRAP_LENGTH	Measurement of a bag's shoulder/handle length from end to end
BELT_LENGTH	Measurement of length of the belt from where the belt band begins to the first band hole.
BELT_WIDTH	Measurement of width of the belt. Measured from the top of the waist to the bottom of the waist as worn.
BOOT_CIRCUMFERENCE	Measurement of the inside of the boot at the largest part of the upper calf.
BOOT_SHAFT	Measurement from the middle of the arch up the outsole to the top of the boot shaft
BRIM	Measurement of a hat's brim from the edge to where the brim meets the sideband.
CHAIN_LENGTH	Measurement of a chain's longest measurement as laid stretched out flat
CHEST_BUST	The measurement around the widest part of the

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	chest/bust.
CIRCUMFERENCE	Measurement of the circumference of the piece.
COLLAR	Definition not available.
COOKWARE_DEPTH	Measurement of depth of the cookware as measured from the rim to the bottom.
COOKWARE_DIAMETER	Measurement of diameter of the cookware from rim to rim.
COOKWARE_FIRST_HANDLE_LENGTH	Measurement of length of the handle from its attachment point to the end of the handle..
CUP	Definition not available.
DRESS_LENGTH	Measurement of dress length from the collar to the bottom hem
EXTENDED_DEPTH	Measurement of the expanded depth of an item for items where the item can be expanded such as a duffle bag with closures which open to allow size folds to open and allow more contents inside.
EYEWEAR_BRIDGE_WIDTH	Measurement of the width of the bridge. Measured as worn from the edge of one lens/frame to the edge of the opposite lens/frame opposite wear the eyewear would rest on the nose of the wearer.
EYEWEAR_FRAME_WIDTH	Measurement of the width of the frame. Measured as worn from the wearer's temple to the wearer's opposite temple.
EYEWEAR_LENS_HEIGHT	Measurement of the height of the lens not including the frames. Measured as worn from the wearer's check to the wearer's forehead.
EYEWEAR_LENS_WIDTH	Measurement of the width of the lens not including the frames. Measured as worn from the wearer's nose to the wearer's temple.
EYEWEAR_TEMPLE_LENGTH	Measurement of the length of the arm. Measured as worn from the wearer's temple to the end of the ear wrap/sterm.
FOOTIES_SHOULDER_TO_TOE	Measurement from the top of the shoulder to the base of the heel as measured along the back of the garment.
FRONT_RISE	Measurement from the top of the waistband to the crotch at the front of the pants.
GROUND_CLEARANCE	Measurement of height from the bottom of the wheel to the top of the board or chassis.
HANDLE_LENGTH	Measurement of a handle from it's attachment to an item to the tip
HEEL_HEIGHT	Measurement at the outsole from the middle of the heel to the sole.
HIDDEN_PLATFORM_HEIGHT	Measurement at the outsole from the foot bed to the sole where the platform is wrapped with material to hide the platform making it appear as part of the shoe.
HIPS	The measurement around the fullest part of the hips.
INSEAM	Definition not available.
JEWELLRY_HEIGHT	Measurement of a piece of jewellery as measured from top to bottom across the face of the piece as it is worn.
JEWELLRY_WIDTH	Measurement of a piece of jewellery as measured from left to right across the face of the piece as it is worn.
LEG_OPENING	Measurement of diameter of the leg opening at the bottom of the pant leg.
LENGTH	Definition not available.
ONE_DIMENSION	Definition not available.
ONSIES_SHOULDER_TO_TOE	Measurement from the top of the shoulder to the crotch as measured along the back of the garment.
OUTSIDE_LEG	The measurement of the outside leg seam. This is the distance from the waist to the bottom of the trousers.
PLATFORM_HEIGHT	Measurement at the outsole from the foot bed to the sole
PRECIOUS_METAL_PURITY	Measurement or descriptive terms to describe the purity

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	of the precious metal. For example, 24 karats, or 950Plat.
PRECIOUS_METAL_WEIGHT	Measurement of the weight of the precious metal.
RACQUET_LENGTH	Measurement of the length of a racquet from the tip of the handle to the top of the head
RUNNING_LENGTH	Measurement of longest measure for the item which comes in contact with a surface (snow, ground, etc.) during normal use.
SHEET_DEPTH	Measurement of height of a sheet from the elastic band to the top of the mattress.
SLEEVE	Definition not available.
TORSO_LENGTH	Measurement of torsos length from the neck line to the bottom hem
TOTAL_STONE_KARAT	The number of karats of the stones in the item as related to the descriptiveSizeDimension.
WAIST	Definition not available.
WAIST_WIDTH	Measurement of width at the narrowest part of the item.
WATCH_CASE_DEPTH	Measurement of the watch case as measured from the top of the bezel to the watch back.
WATCH_CASE_HEIGHT	Measurement of the watch case as measured from the top most point (above the 12) to the lowest most point (below the 6).
WATCH_CASE_WIDTH	Measurement of the watch case as measured from the left most point (left of the9) to the right most point (right of the 3).
WATCH_STRAP_LENGTH	Measurement of the watch band/strap from tip to tip as laid flat. If the band/strap is one piece, this is also known as the watch strap/band circumference.
WATCH_STRAP_WIDTH	Measurement of the watch band/strap width from side to side as laid flat.
WHEEL_DEPTH	Measurement of depth of the wheel across the tread from left to right.
WHEEL_DIAMETER	Measurement of the wheel across its face.
WHEELBASE	Measurement of the distance between axles as measured from wheel to wheel.
WIDTH	Definition not available.

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6.216. Source Animal Code

GS1 Code List	SourceAnimalCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALLIGATOR	A crocodilian in the genus Alligator of the family Alligatoridae.
ASS	A domesticated member of the horse family.
BEAR	Mammals of the family Ursidae.
BEEF_COW	Cattle raised principally for meat production, other uses include leather and products used in shampoo and cosmetics.
BOAR	A wild relative of the domestic pig.
BUFFALO	A large bovine animal, frequently used as livestock.
CALF	A general term for a juvenile member of any species of domestic cattle which is intentionally raised to be processed at a young age.
CAMEL	Even-toed ungulates within the genus Camelus.
CHICKEN	A domesticated fowl.
COCKEREL	A male chicken.
COW	A domesticated member of the subfamily Bovinae.
CROCODILE	Any species belonging to the family Crocodylidae.
DEER	Ruminant mammals forming the family Cervidae.
DOG	A domesticated form of the Wolf, a member of the Canidae family of the order Carnivora.
DUCK	Aquatic birds, mostly smaller than the swans and geese, and may be found in both fresh water and sea water.
DUCKLING	A young duck.
FISH	Fresh or sea water fish.
FOWL	Non-domesticated birds in general but usually refers to birds belonging to one of two biological orders, namely the gamefowl or landfowl and the waterfowl.
FROG	Amphibians in the order Anura.
GOAT	A member of the Bovidae family and is closely related to the sheep
GOOSE	A bird belonging to the family Anatidae

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GROUSE	A group of birds from the order Galliformes.
GUINEAFOWL	A family of birds in the Galliformes order
HARE	Leporidaes belonging to the genus Lepus.
HORSE	A hoofed (ungulate) mammal, a subspecies of one of seven extant species of the family Equidae.
INVERTEBRATE	Fresh or sea water invertebrate.
LAMB	A young domestic sheep.
LAND_SNAIL	A member of the molluscan class Gastropoda that have coiled shells in the adult stage and live on land.
MILK_COW	Also referred to Milk Cattle, this cow is bred to produce large quantities of Milk, from which dairy products are made.
MOOSE	The largest extant species in the deer family.
OSTRICH	Large flightless bird native to Africa.
OTHER	Other animal not specified on this list.
PARTRIDGE	Medium-sized birds, intermediate between the larger pheasants and the smaller quails.
PHEASANT	A bird in the subfamily of Phasianidae in the order Galliformes.
PIGEON	A bird in the family Columbidae.
PORK	Meat from the domestic pig
POUSSIN	A young chicken, less than 28 days old at slaughter
QUAIL	Several genus of mid-sized birds in the pheasant family.
RABBIT	Small mammals in the family Leporidae of the order Lagomorpha.
RAT	Rats are various medium-sized, long-tailed rodents of the superfamily Muroidea.
REINDEER	An Arctic and Subarctic-dwelling deer, widespread and numerous across the Arctic and Subarctic.
ROE_DEER	A deer species of Europe, Asia Minor, and Caspian coastal regions.
SHEEP	Small ruminants, usually with a crimped hair called wool and often with horns forming a lateral spiral.
SHELLFISH	A fresh or sea water animal, such as a mollusk or crustacean, that has a shell or shell-like exoskeleton.
SNAKE	Elongate legless carnivorous reptiles of the suborder Serpentes.
SNIPE	Any of nearly 20 wading bird species in three genera in the family Scolopacidae.
SPARROW	Small passerine birds in the family Passeridae.
THRUSH	Plump, soft-plumaged, small to medium-sized passerine birds.

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TURKEY	A large bird in the genus Meleagris.
TURTLE	Reptiles characterised by a special bony or cartilaginous shell developed from their ribs that acts as a shield.
WOODCOCK	The woodcocks are a group of seven or eight very similar living species of wading birds in the genus Scolopax.
YAK	A long-haired bovine found throughout the Himalayan region of south Central Asia, the Tibetan Plateau and as far north as Mongolia.

6.217. Source Certification System Protocol Code

GS1 Code List	SourceCertificationSystemProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AMERICAN_TREE_FARM_SYSTEM	The American Tree Farm System organizations that certify paper packaging
CANADIAN_STANDARDS_ASSOCIATION	The Canadian Standards Association organizations that certify paper packaging
FOREST_STEWARDSHIP_COUNCIL	The Forest Stewardship Council organizations that certify paper packaging
NOT_APPLICABLE	Not applicable.
OTHER	Code value not available in code list.
PROGRAMME_ENDORSEMENT_FOREST_CERTIFICATION	The progamme for the endorsement of forest certification scheme.
SUSTAINABLE_FORESTRY_INITATIVE	The Sustainability Forestry Initiative organizations that certify paper packaging
UNKNOWN	Unknown

6.218. Special Item Code

GS1 Code List	SpecialItemCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
COLLATERAL_ITEM	A trade item delivered from a manufacturer to the retail selling floor that is not considered inventory and has no retail value.
DEMONSTRATION_UNIT	The trade item is a unit which is designed to demonstrate the product to the end user or consumer. For example a perfume tester, a lotion dispenser, or an air freshener sprayer/atomizer.

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DYNAMIC_ASSORTMENT	Definition Not Available
GIFT_WITH_PURCHASE	A trade item given to a consumer as part of a promotional event, contin-gent on the consumer making a purchase of another item or items. A Gift with Purchase is considered inventory and has no retail value.
LIMITED_PRODUCTION	Limited Production Run by the Manufacturer/Supplier. This does not mean that retailers will order only once (not a one time buy product), retailers can order until the supplier runs out of stock. Those products are typically called one shot , limited edition.
NOT_FOR_RESALE_TO_CONSUMER	Trade items purchased by a retailer for internal use only, not for sale to consumers.
PURCHASE_WITH_PURCHASE	A trade item sold to a consumer at a special price as part of a promotional event, contingent on the consumer purchasing another item or items. A Purchase with Purchase is considered inventory and has a retail value.
NONFUNCTIONING_DISPLAY_UNIT	Indicates that a trade item is a non-functioning Trade Item, used for display purposes only. Typically it is the shell of the trade item that it represents. Relevant to when the non-functioning Trade Item has to actually be ordered from the supplier.

6.219. Specific Gravity Reference Material Code

GS1 Code List	**SpecificGravityReferenceMaterialCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
AIR	Referenced against Air
COMPRESSED_LIQUID	A fluid under mechanical and or thermodynamic conditions that force it to be a liquid. It is a liquid at a temperature lower than the saturation temperature at a given pressure.
WATER	Referenced against water

6.220. Stacking Factor Type Code

GS1 Code List	**StackingFactorTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
STORAGE_UNSPECIFIED	Applicable for goods in storage, irrespective of type of storage.
TRANSPORT_AIR	Applicable for goods during air transport.

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TRANSPORT_INLAND_WATER	Applicable for goods being transported by inland water.
TRANSPORT_MARITIME	Applicable for goods being transported by sea.
TRANSPORT_RAIL	Applicable for goods being transported by rail.
TRANSPORT_ROAD	Applicable for goods being transported by road
TRANSPORT_UNSPECIFIED	Applicable for goods being transported by unknown or irrelevant means.
UNSPECIFIED	Applicable for goods irrespective of transport or storage.

6.221. Sterilisation Type Code

GS1 Code List	**SterilisationTypeCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
AUTOCLAVE	Autoclave (Steam) is a method of sterilisation that utilizes pressure and heat to achieve a sterile environment.
BETA_RADIATION	Beta particles are able to penetrate living matter to a certain extent (radiation intensity from a small source of radioactive material decreases as one over the distance squared) and can change the structure of struck molecules.
CHLORINE_DIOXIDE	Gaseous chlorine dioxide systems for sterilization of healthcare products are not mutagenic or carcinogenic in humans. As the chlorine dioxide concentration increases, the time required to achieve sterilization becomes progressively shorter.
DRY_HEAT	This method should be used only for materials that might be damaged by moist heat or that are impenetrable to moist heat (e.g., powders, petroleum products, sharp instruments). There are two types of dry-heat sterilizers: the static-air type and the forced-air type.
ELECTRON_BEAM_IRRADIATION	A commercially successful technology for sterilizing a variety of disposable medical devices with a wide range of densities. The e-beam inactivates micro-organisms either by causing microbial death as a direct effect of the destruction of a vital molecule or by an indirect chemical reaction. This is the same mechanism as in gamma irradiation, and the dose required is the same.
ETHANOL	A chemical sterilisation method that utilizes ethanol as the sterilisation method.

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ETO_ETHYLENE_OXIDE	A gas that is commonly used to sterilize objects sensitive to temperatures greater than 60 °C such as plastics, optics and electrics. Ethylene oxide treatment is generally carried out between 30 °C and 60 °C with relative humidity above 30% and a gas concentration between 200 and 800 mg/L for at least three hours. Ethylene oxide penetrates well, moving through paper, cloth, and some plastic films and is highly effective.
FORMALDEHYDE	A chemical sterilisation agent used to provide sterilisation. Items being sterilized are usually immersed in the formaldehyde for a pre determined time period.
GAMMA_RADIATION	Gamma rays are very penetrating and are commonly used for sterilisation of disposable medical equipment, such as syringes, needles, cannulas and IV sets. Gamma radiation requires bulky shielding for the safety of the operators; they also require storage of a radioisotope (usually Cobalt-60), which continuously emits gamma rays (it cannot be turned off, and therefore always presents a hazard in the area of the facility).
GLUTERALDEHYDE	A colourless liquid with a pungent odour used to sterilize medical and dental equipment. It is also used for industrial water treatment and as a chemical preservative. Glutaraldehyde is an oily liquid at room temperature (density 1.06 g/mL), and miscible with water, alcohol, and benzene.
HIGH_INTENSITY_OR_PULSE_LIGHT	Pulsed light is a non-thermal sterilization method that uses brief intense pulses or flashes of white light to kill micro-organisms.
HIGH_LEVEL_DISINFECTANT	A germicide that inactivates all microbial pathogens, except small numbers of bacterial endospores.
HYDROGEN_PEROXIDE	Another chemical sterilizing agent. It is relatively non-toxic once diluted to low concentrations (although a dangerous oxidizer at high concentrations), and leaves no residue.
LIQUID_CHEMICAL	A sterilization process that uses liquid chemical as its sterilant to kill microorganisms.
MICROWAVE_RADIATION	Microwaves are used in medicine for disinfection of soft contact lenses, dental instruments, dentures, milk, and urinary catheters for intermittent self-catheterization. However, microwaves must only be used with products that are compatible (e.g., do not melt). Microwaves are radio-frequency waves, which are usually used at a frequency of 2450 MHz.
NITROGEN_DIOXIDE	A sterilization process that uses nitrogen dioxide radicals that are formed from dinitrogen tetroxide dimers to kill microorganisms.
OZONE	Is a method often times used in industrial settings to sterilize water and air, as well as a disinfectant for surfaces. It has the benefit of being able to oxidize most organic matter. It is a toxic and unstable gas that must be produced on-site, so it is not practical to use in many settings.
PERACETIC_ACID	A chemical in the organic peroxide family. It is a bright, colorless liquid with a characteristic acrid acetic acid type odor. It has a strong oxidizing potential, is highly corrosive, and can explode at temperatures exceeding 110 °C.

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PLASMA	A method of sterilisation that utilizes hydrogen peroxide vapour to sterilize heat sensitive equipment.
SOUND_WAVES	Sound waves of frequency >20,000 cycle/second kills bacteria and some viruses on exposing for one hour. High frequency sound waves disrupt cells. They are used to clean and disinfect instruments as well as to reduce microbial load.
SUPERCRITICAL_CARBON_DIOXIDE	A sterilization process that uses supercritical carbon dioxide in combination with a small percentage of additive to kill microorganisms.
UNSPECIFIED	Trade Item Manufacturer has not specified the sterilisation method(s) of the trade item.
UV_LIGHT	Useful for sterilisation of surfaces and some transparent objects. Many objects that are transparent to visible light absorb UV. UV irradiation is routinely used to sterilize the interiors of biological safety cabinets between uses.

6.222. Surface Of Cheese At End Of Ripening Code

GS1 Code List	SurfaceOfCheeseAtEndOfRipeningCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
RIND	Outside shell of cheese that forms during the cheese making process
NO_RIND	No outside shell of cheese has formed during the cheese making process

6.223. Surround Sound Digital Decoder Type Code

GS1 Code List	SurroundSoundDigitalDecoderTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DOLBY_DIGITAL_5_1	A data/audio compression technology.
DOLBY_DIGITAL_EX	A data/audio compression technology.
DOLBY_DIGITAL_PRO_LOGIC_II	A data/audio compression technology.
DOLBY_DIGITAL	A data/audio compression technology.
DOLBY_DIGITAL_PLUS	A data/audio compression technology.

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DOLBY_TRUE_HD	A data/audio compression technology.
DTS_5_1	A digital sound format.
DTS_96_KHZ_24_BIT	A digital sound format.
DTS_ES	A digital sound format.
DTS_ES_DISCRETE_6_1	A digital sound format.
DTS_ES_MATRIX_6_1	A digital sound format.
DTS_HD	A digital sound format.
NEO_6	A digital sound format.
THX	A high-fidelity sound reproduction standard

6.224. Sustainability Feature Code

GS1 Code List	SustainabilityFeatureCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BIODEGRADABLE	The trade item is capable of degrading over time by exposure to the environment.
MADE_FROM_RENEWABLE_MATERIAL	The trade item is made from materials which are considered to be renewable.

6.225. Synchronisation Confirmation State Enumeration

GS1 Code List	SynchronisationConfirmationStateEnumeration
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
RECEIVED	Data has been received by the Data Recipient, but no business decision has been made on the data.
REJECTED	Data will no longer be synchronised or updates will no longer be provided.
REVIEW	A request to the data source to “review” their data because the data recipient has received discrepant data which they cannot synchronise.
SYNCHRONISED	Data is integrated, in synch and added to the synchronisation list.

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6.226. System Requirements Qualifier Type Code

GS1 Code List	SystemRequirementsQualifierTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MINIMUM	The least possible quantity.
RECOMMENDED	The quantity or degree suggested for best performance.

6.227. Target Consumer Gender Code

GS1 Code List	TargetConsumerGenderCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FEMALE	Female
MALE	Male
UNISEX	Unisex

6.228. Temperature Qualifier Code

GS1 Code List	TemperatureQualifierCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DELIVERY_TO_DISTRIBUTION_CENTRE	Trade Item is in transport to the distribution center.
DELIVERY_TO_MARKET	Trade Item is in transport to market.
STORAGE_HANDLING	Trade Item is being stored or handled.
TRANSPORTATION	Trade item is in process of being transported in the supply chain.

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6.229. Television Information Service Type Code

GS1 Code List	TelevisionInformationServiceTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANTIOPE	Television information retrieval services used in France.
FASTEXT	A feature of televisions used in addition to teletext with red, green, yellow buttons to go to sports, weather etc.
TELETEXT	A television information retrieval services used in parts of Europe.
TELIDON	Television information retrieval services used in Canada.

6.230. Test Species Code

GS1 Code List	TestSpeciesCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MOUSE	A small mammal belonging to the order of rodents (Genus Mus).
OTHER	Any other animal not specifically included in this list.
RABBIT	Small mammals in the family Leporidae of the order Lagomorpha.
RAT	Rats are various medium-sized, long-tailed rodents of the superfamily Muroidea.

6.231. Thread Type Code

GS1 Code List	ThreadTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BSPT	British Standard Pipe Thread (Tapered) per ISO # 7 or EN 10226
BSSP	British Standard Pipe Thread (Parallel) per ISO # 228

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GHT	Garden Hose Thread
NH_OR_NST	National (American) Standard Fire hose Coupling Thread of full form and fire hose.
NHR	Standard house coupling threads for garden hose applications where the design utilizes thin walled material which is formed to the desired threads
NPSC	National (American) Standard Pipe Straight Coupling Thread
NPSH	National (American) Standard Pipe Straight Hose Coupling joints ordinarily made with straight internal and external loose-fitting threads. By the use of this thread series, it is possible to join small hose couplings in sizes of 1/2 in to 4 in; inclusive, to ends of stand pipe having NPT threads using a gasket to seal the joint.
NPSI	National (American) Standard Pipe Straight Intermediate Thread
NPSL	National (American) Standard Pipe Straight Locknut Thread
NPSM	National (American) Standard Pipe Straight Mechanical Thread
NPT	National (American) Standard Pipe Thread (Tapered) per ANSI B1.20.1
NPTF	National (American) Standard Pipe Thread Tapered (Dryseal)
NPTR	National (American) Standard Pipe Taper Railing Fitting Thread
OTHER	Other
PTF	SAE Short Tape Pipe Thread

6.232. Title Rating Entity Code

GS1 Code List	**TitleRatingEntityCode**	
GS1 Code List Version	**R1**	
Managing Agency	**GS1**	
Based on Code List	**n/a**	
Type Of Management	**n/a**	
Code Value	**Code Name**	**Code Definition**
BBFC	British Board of Film Classification	United Kingdom
BC	British Columbia	British Columbia, Canada
ESRB	Entertainment Software Rating Board	Entertainment Software Rating Board
FCA	Film Censorship Authority	Hong Kong
FCO	Film Censor's Office	Ireland
FMOC	France Ministry of Culture	France
FSK	Voluntary Self Regulation of German Film Industry GmbH, Germany	Theatrical - Germany
MCU	Ministerio de Cultura de España	Ministerio de Cultura de España (Spanish Ministry of Culture)

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MPAA	The Motion Picture Association of America	U.S.
OFCS	Office of Film and Literature Classification	New Zealand
OFLC	Australian Office of Film and Literature Classification	Australia
OFRB	Ontario Film Review Board	Ontario, Canada
NOT_RATED	Not Rated	The information provider has not received a rating designation for the trade item
SPIO	Spitzenorganisation der Filmwirtschaft e.V. (SPIO)	Spitzenorganisation der Filmwirtschaft e.V. (SPIO)
UNKNOWN	Unknown	The rating of the trade item is not known and was not sent in the supplier message (can be used as a default value by data pools).
USK	Entertainment Software Self-Regulation Body	A German Entertainment Software Self-Regulation Body

6.233. Title Rating Code (Games)

Code List Name	Code List Description	
Title Rating Code List	**Ratings as defined by associated ratings agency.**	
Code Value	**Code Description**	
NOT_RATED	The information provider has not received a rating designation for the trade item	
UNKNOWN	The rating of the trade item is not known and was not sent in the supplier message (can be used as a default value by data pools).	
ESRB		
Code Value	**Code Description**	**Definition**
EC	Early Childhood	The game has content that may be suitable for ages 3 and older. Contains no material that parents would find inappropriate.
T	Teen	The game has content that may be suitable for ages 13 and older. May contain violence, suggestive theme, crude humour, minimal blood and/or infrequent use of strong language.
AO	Adults Only	The game has content that should only be played by persons ages 18 years and older. May include prolonged scenes of intense violence, blood and gore, sexual content and/or strong language.

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E	Everyone	The game has content that may be suitable for ages 6 and older. May contain minimal cartoon, fantasy or mild violence and/or infrequent use of mild language.
M	Mature	The game has content that may be suitable for persons ages 17 and older. May contain intense violence, blood and gore, sexual content and/or strong language.
RP	Rating Pending	The game has been submitted to the ESRB and is awaiting final rating.
E10+	Everyone 10 and older	The game has content that may be suitable for ages 10 and older. May contain more carton, cartoon, fantasy or mild violence, mild language, and/or minimal suggestive themes.

PEGI

Code Value	Code Definition
PEGI_3	Suitable for persons over 3 years
PEGI_7	Suitable for persons over 7 years
PEGI_12	Suitable for persons over 12 years
PEGI_16	Suitable for persons over 16 years
PEGI_18	Suitable for persons over 18 years

SPIO

Code Value	Code Definition
N_S_H	SPIO-JK inspected: No serious harm to young people. That means: The medium can be offered in the normal trade but can be only sold to adults. In case, the medium will be indexed later by the Bundesprüfstelle (National Review Board), the medium can be sold only in special areas for adults.
C_H	SPIO-JK inspected: Criminally harmless. That means: The medium can be offered only to adults in closed or restriced areas. They are treated as if it were already indexed by the Bundesprüfstelle (National Review Board).

USK

Code Value	Code Definition
O_ED	Rated from provider as informational/educational program - suitable without age restriction
O_AI	Suitable without age restriction
AB_6	Suitable for persons over 6 years
AB_12	Suitable for persons over 12 years
AB_16	Suitable for persons over 16 years
KJ	Restricted for persons under 18 years

6.234. Title Rating Code (Film)

MPAA Code Value (US)	Definition
X_RATED	Applies to films featuring explicit sex or, more rarely, to films featuring extensive graphic violence
NC_17	No one under 17 admitted
R	Under 17 requires accompanying parent of adult guardian

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PG	Parental guidance suggested. Some material may not be appropriate for all children
PG_13	Parents strongly cautioned. Some may be inappropriate for children under 13
G	General audiences. All ages admitted
NOT_RATED	
RATING_PENDING	
MPAA Code Value (Ontario, Canada)	**Definition**
FAMILY	Film appropriate for viewing by a person of any age
PARENTAL_GUIDANCE	Parents should exercise discretion in permitting a child to view the film
14A	Persons younger than 14 years of age must be accompanies by an adult
18A	Persons younger than 18 years of age must be accompanies by an adult
RESTRICTED	Film restricted to persons 18 years of age or older
ADULT	Requires a sticker denoting "Title", "Running Time", "Distributor ID" Approval Certificate Number"
MPAA Code Value (British Columbia, Canada)	**Definition**
GENERAL	All ages. The contents of these motion pictures are suitable for viewing by all ages
PARENTAL_GUIDANCE	All ages. Parental guidance advised. Theme or content may not be suitable for all children.
14_ACCOMPANIMENT	Anyone under 14 years of age must be accompanied by an adult. Parents cautioned. These films may contain violence, coarse language, and/or sexually suggestive scenes
18_ACCOMPANIMENT	Anyone under 18 years of age must be accompanied by an adult. Parents strongly cautioned. Will likely contain explicit violence, frequent coarse language, sexual activity and/or horror.
RESTRICTED	No one under the age of 18 may view under any circumstances. Content not suitable for minors. May contain scenes of explicit sex and/or violence. However, the film classification office considers these films to have some artistic, historical, political, educational or scientific merit.
ADULT	No one under 18 may view under any circumstances. May contain explicit sexual scenes and/or violence. However, the classification office considers these films to be tolerable to the community
MPAA Code value (France)	**Definition**
ALL	Valid for all audiences
P12	With a prohibition for minors of 12
P16	With a prohibition for minors of 16
P18	With a prohibition for minors of 18
MPAA Code Value (UK)	**Definition**

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UC	(Universal Children) Suitable for all but especially for young children (video only)
U	(Universal) Suitable for all
PG	All ages admitted, but Parental Guidance is recommended. It is the board's policy that films rated "PG" should not disturb a child of about 8 years of age or older; however, "parents are advised to consider whether the content may upset young or more sensitive children."
12A_12	No one under 12 years of age may see a "12A" film (unless accompanied by an adult) in a cinema or rent or buy a "12" video
15	No one under 15 years of age may see a "15" film or rent or buy a "15" video
18	Suitable only for adults. No one under 18 years of age may see an "18" film or rent or buy an "18" video
R18	To be supplied only in licensed sex shops or cinemas to adults of not less than 18 years of age
E	Exempt from BBFC
MPAA Code Value (Ireland)	**Definition**
G	'General' - Suitable for viewing by anyone
PG	'Parental Guidance' - Parental guidance is recommended for children under the age of 12
12PG	'Parent supervision required for children under 12' - A person over 18 years of age must accompany a child under the age of 12 when seeing a film theatrically
15PG	'Parent supervision required for children under 15' - A much stronger warning that, although the film may be unsuitable for a child under the age of 15 watching alone, a child with an adult may be admitted to the film's screening
18	'Adults only' - The film is suitable only for adults. A person under this age will not be admitted
MPAA Code Value (Australia)	**Definition**
G	Suitable for all viewers. It is noted by the board that a "G" film rating in Australia doesn't indicate the film is intended for children, simply that nothing in the film will be disturbing or harmful to children
PG	Parental Guidance recommended for children under 15 years of age
M	Mature, recommended for audiences 15 years and over. Note: this is not a legally restricted Australian film rating, but films in this category cannot be recommended for those under 15 years
MA	Mature Accompanied. This category is legally restricted in that children under 15 cannot see "MA" films or rent them on video unless accompanied by a parent or adult guardian
R	Restricted. This category is legally restricted to adults. No one under 18 may view these films in a cinema or rent them on videocassette.
X	Restricted. This rating applies to sexually explicit material which is restricted to viewers 18 years of age and over
E	Exempt from classification - thus not a rating as such. These are usually educational programs

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MPAA Code Value (New Zealand)	Definition
G	Suitable for all
PG	Parental guidance recommended for younger viewers
M	Mature; Suitable for people 16 years or older. Parental decision whether to let children watch a particular film
R13	Restricted to 13 year-olds and older
R15	Restricted to 15 year-olds and older
R16	Restricted to 16 year-olds and older
R18	Restricted to 18 year-olds and older
R	A special restriction (details of the restriction noted to the right of the label). Equivalent to the old 'RP' classification
FSK Rating Value (Germany)	**Definition**
OAI	Suitable without age restriction
AB_6	Suitable for persons over 6 years
AB_12	Suitable for persons over 12 years
AB_16	Suitable for persons over 16 years
AB_18	Suitable for persons over 18 years (code for films age rated from 07/27/1957 to 02/24/1985)
KJ	Restricted for persons under 18 years (code for films age rated from 04/01/2003)
NU_18	Restricted for person under 18 years (code for films age rated from 02/25/1985 to 03/31/2003)
O_ED	Rated from provider as informational/educational program - suitable without age restriction
SPIO Value (Germany)	**Definition**
N_S_H	SPIO-JK inspected: No serious harm to young people. That means: The medium can be offered in the normal trade but can be only sold to adults. In case, the medium will be indexed later by the Bundesprüfstelle (National Review Board), the medium can be sold only in special areas for adults.
C_H	SPIO-JK inspected: Criminally harmless. That means: The medium can be offered only to adults in closed or restricted areas. They are treated as if it were already indexed by the Bundesprüfstelle (National Review Board).
MPAA Code Value (Hong Kong)	**Definition**
I	Suitable for all ages
IIA	Not suitable for children
IIB	Not suitable for young persons and children
III	For persons aged 18 or above only
MCU Value (Spain)	**Definition**
MCU_7	Suitable for audiences 7 and older
MCU_12	Suitable for audiences 12 and older
MCU_16	Suitable for audiences 16 and older
MCU_18	Suitable for audiences 18 and older
MCU_EI	Especially suitable for small children

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MCU_TP	Suitable for all audiences
MCU_X	This film contains pornographic and/or extreme violence content. A person under 18 will not be admitted.
PEGI Code Value (Pan Europe)	**Definition**
PEGI_3	Suitable for persons over 3 years
PEGI_7	Suitable for persons over 7 years
PEGI_12	Suitable for persons over 12 years
PEGI_16	Suitable for persons over 16 years
PEGI_18	Suitable for persons over 18 years
TV Parental Guidelines Code Value (US)	**Definition**
TV_14	Parents Strongly Cautioned
TV_G	General Audience
TV_PG	Parental Guidance Suggested
TV_MA	Mature Audience Only
TV_Y	All Children
TV_Y7	Directed to Older Children
TV_Y7_FV	Directed to Older Children, Fantasy Violence

6.235. Total Packaging Economic Cost Measurement Code

GS1 Code List	**TotalPackagingEconomicCostMeasurementCode**
GS1 Code List Version	**R1**
Managing Agency	**GS1**
Based on Code List	**n/a**
Type Of Management	**n/a**
Code Value	**Code Definition**
FINAL_PACKAGING	Final Packaging
PACKAGING_COMPONENT	Part of packaging that can be separated by hand or by using simple physical means (EN 13427, ISO/DIS 18601), for example a packaging film.
PACKAGING_MATERIAL	Any material used especially to protect something.

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6.236. Toxicity Measurement Protocol Code

GS1 Code List	ToxicityMeasurementProtocolCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
IMPACT_2002	Impact 2002
LIME2	LIME2
OTHER	Code value not available in code list.
USETOX	The usetox protocol for toxicity.

6.237. Toxicity Reference Substance Code

GS1 Code List	ToxicityReferenceSubstanceCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CTU_PER_FU	CTU_PER_FU
KG_C2H3CL_EQ_PER_FU	Kilogram_C2H3CL_EQ_PER_Functional Unit
KG_C6H6_AIR_EQ_PER_FU	KG_C6H6_AIR_EQ_PER_FU
OTHER	Code value not available in code list.

6.238. Trade Channel Code

GS1 Code List	TradeChannelCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CASH_AND_CARRY	Cash and carry is a form of trade in which goods are sold from a wholesale warehouse operated either on a self-service basis, or on the basis of samples or a combination of the two. This is sometimes referred to as club in some markets.
CONVENIENCE	Small format retail store often outside or annexed to a gas/fuel station.
DRUG	Organisations or departments engaged in retailing prescription or nonprescription drugs and medicines. This is otherwise known as Retail Pharmacy.

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DRUG_STORE	Establishment that offers personal care goods, toiletries and non-controlled drugs which can be obtained without a prescription. Within the Netherlands this establishment is a different than a retail pharmacy (referred to in the code list as DRUG).
FOOD_SERVICE	Trade channel that sells prepared food, for example restaurants, hotels, clubs.
GROCERY	Organisations or departments primarily engaged in retailing a general line of food products.
HARD_LINES	Organisations or departments primarily engaged in retailing a general line of hardware items, such as tools and builders' hardware.
HEALTHCARE	Trade channel where products such as medicines, medical devices and healthcare consumables are used for the direct delivery of healthcare services. It specifically excludes products such as stationery, detergents, carrier bags etc. that may be sold to hospitals.
HOME_GOODS	Organisations or departments primarily engaged in retailing a general line of domestic goods, such as furniture and furnishings, home décor, home accessories.
HOSPITAL	The distribution and use of this trade item is 'intramural' (within the walls of a clinic or hospital). These products may not be always supplied through a hospital pharmacy and may be used directly at the clinic.
HOSPITAL_PHARMACY	Drug or medical device can be dispensed from a hospital pharmacy. Can be related to government funded/subsidized reimbursement list/agency. Can also apply to orphan drugs, special drugs.
INDUSTRIAL	A marketing intermediary, roughly equivalent to a wholesaler in consumer markets, who purchases industrial products in bulk from manufacturers for resale to other industrial users
INSTITUTIONAL	Trade channel where the trade item is sold to institutions, such as, education departments, colleges, schools, research centres, etc.
MASS_MERCHANDISING	Trade channel, which is a huge retail store offering a very wide range of product categories such as accessories, appliances, clothing, furniture, office equipment and stationery, and shoes.
MILITARY	Sale of items to the military.
SPECIALTY_RETAIL	Retailer concentrating on selling one merchandise line of goods for a particular and usually selective clientele. Examples are stores selling electronics, bagels, leather goods, organic foods, imported china, cosmetics, etc. Specialty retailers have a narrow but deep selection in their specialty.
UNSPECIFIED	Trade Channel unknown or not relevant.
VENDING	The retailing merchandise through vending machines.
VENDOR_LEASED_SPACE	A trade channel where the trade item is sold through a retailer within a retailer for example a rack jobber.

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6.239. Trade Item Condition Code

GS1 Code List	TradeItemConditionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CUT_FOR_SALE	Identifies food (e.g. meat, cold cut, cheese) or non-food product (e.g. chain, textile) that have been already cut, sliced or chopped for sale by the time they reach the retailer. Example: loin or chuck transported as steaks into the shop where these are sold as products.
TO_BE_CUT_FOR_SALE	Identifies a food (e.g. meat, cold cut, cheese) or non-food product (e.g. chain textile) identified to be cut, sliced or chopped before selling to the final consumer. Example: a carcass side of a pig would be chopped into steaks and other cuts of pork at the meat department of the shop and sold as separate products.
TO_BE_PORTIONED	For bulk items, in order to sell the item to consumer portions must be taken from bulk and created to meet consumer buying habits

6.240. Trade Item Context Code

GS1 Code List	TradeItemContextCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DP001	Distribute Product Information for Audio Visual Photograpy, Electronics, Communications, Computing and Appliance Products.
DP002	Distribute Product Information for Audio_Visual_Media Products
DP003	Distribute Product Information for Beauty Hygene Home Healthcare Products
DP004	Distribute Product Information for Cleaning Hygiene Products, Lubricants, Fuels, Automotive and Building Product Chemicals
DP005	Distribute Product Information for Clothing And Personal Accessories
DP006	Distribute Product Information for Food Beverage Tobacco and Pet Food Products.
DP007	Distribute Product Information for Medical Devices
DP008	Distribute Product Information for Pharmaceutical
DP009	Distribute Product Information for Sporting Goods
DP010	Distribute Product Information for Building Products, Automotive, Tools, Office and Arts Supply Products
DP011	Distribute Product Information for Household/Office Furniture/Furnishings
DP012	Distribute Product Information for Kitchen Merchandise
DP013	Distribute Product Information for Live Animals_and Live Lawn/Garden Plants

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DP014	Distribute Product Information for Toys, Games, Musical Instruments
DP015	Distribute Product Information Cross Segment and Variety Packs

6.241. Trade Item Date On Packaging Type Code

GS1 Code List	TradeItemDateOnPackagingTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BAKED_FOR_DATE	The baked-for date indicates the date not later than 12 hours after the time the bread product was baked. The baked-for date indicates the date the bread is being baked for. May be included on the label on a package of bread product instead of a best-before date if the bread product has a shelf life of less than 7 days (or otherwise specified according to local target market regulations).
BAKED_ON_DATE	The baked-on date indicates the date on which the bread product was baked. May be included on the label on a package of bread product instead of a best-before date if the bread product has a shelf life of less than 7 days (or otherwise specified according to local target market regulations).
BEST_BEFORE_DATE	The best before date indicates the ideal consumption or best effective use date of a product. It is a statement about quality. It is often referred to as a sell by date or a minimum durability date.
DISPLAY_UNTIL_DATE	The date in which the trade item is displayed on shelf until date is reached. This is applicable to such items as periodicals, promotional trade items and materials supporting. This is normally not for regulatory, expiration, or quality type dates.
EXPIRATION_DATE	The expiration date is the date that determines the limit of consumption or use of a product. Its meaning is determined based on the trade item context (e.g., for food, the date will indicate the possibility of a direct health risk resulting from use of the product after the date, for pharmaceutical products, it will indicate the possibility of an indirect health risk resulting from the ineffectiveness of the product after the date). It is often referred to as “use by date” or “maximum durability date.”
LAST_SALE_DATE	The trade item is marked with a date that specifies the last date a trade item may be sold to a consumer. The difference between Last Sale date, Best before, and Expiration is that Best Before is used for quality of product may deteriorate, Expiration is the maximum date of quality, last sale is the date the item can no longer be sold. These support different business purposes.
PACKAGING_DATE	The packaging date is the date when the goods were packed as determined by the packager. The date may refer to the trade item itself or to items contained.
PRODUCTION_DATE	The production date is the production or assembly date determined by the manufacturer. The date may refer to the trade item itself or to items contained.

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6.242. Trade Item Price Type Code

GS1 Code List	TradeItemPriceTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BULK_PRICE	The amount of money for which the trade item is bought or sold when buying or selling a standard configuration.
LOOSE_PRICE	The amount of money for which the trade item is bought or sold when buying or selling individual units that are not in a standard configuration.
MINIMUM_ADVERTISED_PRICE	The minimum consumer price (amount) at which the trade item may be advertised.
RETAIL_PRICE_ON_TRADE_ITEM	The retail price as marked on the trade item package

6.243. Trade Item Temperature Condition Type Code

GS1 Code List	TradeItemTemperatureConditionTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
DEEP_FROZEN	Temperature -18 °C or less Temperature -0.4 °F or less
FRESH	Never frozen
FROZEN	Temperature -12 °C to -17°C Temperature 10.4 °F to 1.4 °F
THAWED	Previously frozen

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6.244. Trade Item Unit Descriptor Code

GS1 Code List	TradeItemUnitDescriptorCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BASE_UNIT_OR_EACH	The lowest level of the item hierarchy intended or labelled for individual retail sale.
CASE	The standard shipping unit level.
DISPLAY_SHIPPER	A display, a shipper. May have a “PL” parent. May have (CA or EA) children in multiple instances. It may be Orderable and can be a Consumer Unit.
MIXED_MODULE	A “mixed mod” or “display ready pallet” that is not the normal ‘turn’ for ordering.
PACK_OR_INNER_PACK	A logistical unit between case and each. This may be a consumable innerpack (i.e. Carton of Cigarettes) or it may be simply a logistical pack (i.e. Dozens of toothbrushes).
PALLET	A pallet is a flat transport structure designed to support a variety of goods in a stable fashion while being lifted by any mobile forklift or other jacking device.
TRANSPORT_LOAD	The trade item above the pallet level used for transporting trade items for example Truck Load, Container, Rail Car, Ship, Etc.

6.245. Trade Item Variant Type Code

GS1 Code List	TradeItemVariantTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FLAVOUR	A quality that affects the sense of taste.
SCENT	A quality that affects the sense of smell.

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6.246. Tuner Type Code

GS1 Code List	TunerTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANALOGUE	Encodes television picture and sound information and transmits it as an analogue signal.
ATSC	A digital television format.
DIGITAL	The sending and receiving of moving images and sound by discrete (digital) signals.
EPSC	Not Available.
HD	Symbol stating TV is high definition ready.
HIGH_DEFINITION	A digital television broadcasting system with higher resolution than traditional television systems.
INTEGRATED	Built into the unit.(Digital).
NOT_APPLICABLE	Not Applicable
NTSC	An analogue television system.
PAL	Phase Alternating Line is a colour-encoding system used in broadcast television systems.
READY	TV is ready for high definition (HD Ready).
SCAM	SCam
UNSPECIFIED	Tuner available but type not specified.

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6.247. Variable Trade Item Type Code

GS1 Code List	VariableTradeItemTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
LOOSE	A trade item which is without packaging at the retail level and whose quantity (the individual pieces, amount, or volume) is selected by the consumer and can be either bagged and bar coded by the consumer or bagged and key-entered or scanned at the point of sale. NOTE: In some industries these types of trade items are commonly referred to as BULK. Examples: cold meats and cheese sold in butchers and delicatessens, fudge cut from bars, loose fruit and vegetables, grains, candy, fresh produce, fabric bolts, spooled chain or rope, nails or snacks. A fixed-measure reel of 100 metres of wire is sold from the supplier to the retailer. At the retailer, the consumer may either buy the entire 100-metre reel at a fixed price for the whole reel, or may request a length of wire to be cut to his requirement at a price per metre. A 10 pound case of candy sold to the retailer. The retailer puts this in bins and prices.
PRE_PACKED	A variable-measure trade item which is provided with packaging that is assembled or produced by the supplier or by the retailer in advance of sale to the consumer. Examples: cheese and deli meats pre-packed and priced by the retailer, chicken breast pre-packed and priced by the supplier before delivery to the retailer, pre-packed fruit and vegetables sold by weight or count (not a fixed price per pack).

6.248. VESA Wall Mount Type Code

GS1 Code List	VESAWallMountTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MIS_D_75_MM_BY_75_MM	75 millimetres By 75 millimetres
MIS_D_100_MM_BY_100_MM	100 millimetres By 100 millimetres
MIS_E_200_MM_BY_100_MM	200 millimetres By 100 millimetres
MIS_F_200_MM_BY_300_MM	200 millimetres By 300 millimetres
MIS_F_300_MM_BY_300_MM	300 millimetres By 300 millimetres
MIS_F_200_MM_BY_200_MM	200 millimetres By 200 millimetres
MIS_F_400_MM_BY_200_MM	400 millimetres By 200 millimetres
MIS_F_400_MM_BY_400_MM	400 millimetres By 400 millimetres
MIS_F_600_MM_BY_200_MM	600 millimetres By 200 millimetres

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MIS_F_600_MM_BY_400_MM	600 millimetres By 400 millimetres
MIS_F_800_MM_BY_400_MM	800 millimetres By 400 millimetres
MIS_F_280_MM_BY_150_MM	280 millimetres By 150 millimetres

6.249. Visual Media Colour Code

GS1 Code List	VisualMediaColourCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BLACK_AND_WHITE	Uses a monochromatic form of film.
COLOR	Uses media capable of representing multiple colours
COLORIZED	Altered by a process that involves adding colour to a black and white film

6.250. Water Solubility Type Code

GS1 Code List	WaterSolubilityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
1	Less than 0.1%
2	0.1 to 1.0%
3	1.0 to 10%
4	Greater than 10%
5	All Proportions
6	Not Applicable

6.251. Working Pressure Rating Class Code

GS1 Code List	WorkingPressureRatingClassCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CWP	Cold Working Pressure at 73 degrees Fahrenheit.

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SWP	Steam Working Pressure
WWP	Water Working Pressure

6.252. Attributes with Code Lists with External or Multiple Sources

The following attributes do not specify the code list to be used using the data type. The following table lists the code lists to be used for these types of attributes.

Item Name	Code List
classOfDangerousGoods	Recommend to use codes listed in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
colourCodeListCode	Use ColourCodeListCode
codeListNameCode	AVPCodeListNameCode (GS1 Code List)
countryCode	GDSN extends the ISO Country Code list with the value NON_EU. The Country Code List for GDSN is in this document.
dangerousGoodsRegulationCode	DangerousGoodsRegulationCode
genreTypeCodeReference	GS1 Code List used differs based on product: • Product Genre Type Code (Electronic Games) • Product Genre Type Code (Film) • Product Genre Type Code (Music)
massEquivalentProtocolCode	Based On MassEquivalentCode, use one of following: • Mass Equivalent Fresh Water Consumption Protocol Code • Mass Equivalent Ionizing Radiation Human Protocol Code • Mass Equivalent Land Use Protocol Code • Mass Equivalent Nonrenewable Resource Depletion Protocol Code • Mass Equivalent Ozone Depletion Protocol Code • Mass Equivalent Particulate Respiratory Effects Protocol Code • Mass Equivalent Photochemical Ozone Creation Potential Protocol Code
massEquivalentSubstanceCodeReference	Based On MassEquivalentCode, use one of following: • Mass Equivalent Fresh Water Consumption Substance Code • Mass Equivalent Ionizing Radiation Human Substance Code • Mass Equivalent Land Use Substance Code • Mass Equivalent Non Renewable Resource Depletion Substance Code • Mass Equivalent Ozone Depletion Reference Substance Code • Mass Equivalent Particulate Respiratory Effects Reference Substance Code

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Item Name	Code List
onixExtentUnitTypeCode	Recommended to use ONIX List 24: Extent Unit Code.
productActivityRegionZoneCodeReference	Use CatchAreaCode when productActivityType = CATCH_ZONE
ratingContentDescriptorCode	GS1 Code List used differs based on product: • Rating Content Descriptor Code (Music) • Rating Content Descriptor Code (ESBR) • Rating Content Descriptor Code (PEGI) • Rating Content Descriptor Code (Film)
rOHSComplianceFailureMaterial	Use ROHSComplianceFailureMaterialCode.
sizeCodeListCode	Use SizeCodeListCode.
titleRatingCodeReference	GS1 Code List used differs based on product type: • Title Rating Code (Games) • Title Rating Code (Film).
unitedNationsDangerousGoodsNumber	UNDG Number: Recommend to use codes listed in the 16th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.

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7. Implementation Considerations

7.1. Attribute Variations

Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
accidentalReleaseMeasuresDescription	Global/Local	T.P.Neutral	No	Yes
acidificationMeasurement	Global/Local	T.P.Neutral	No	No
acidificationMeasurementProtocolCode	Global/Local	T.P.Neutral		
acidificationMeasurementProtocolDescription	Global/Local	T.P.Neutral	No	Yes
acidificationMeasurementReferenceSubstanceCode	Global/Local	T.P.Neutral		
acidificationMeasurementReferenceSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
additionalCertificationOrganisationIdentifier	Global/Local	T.P.Neutral		
additionalPublicationDescription	Global/Local	T.P.Neutral	No	No
additionalSDSInformation	Global/Local	T.P.Neutral	No	Yes
additionalTradeItemClassificationCodeDescription	Global	T.P.Neutral	No	No
additionalTradeItemClassificationCodeValue	Global	T.P.Neutral		
additionalTradeItemClassificationPropertyCode	Global	T.P.Neutral		
additionalTradeItemClassificationPropertyDescription	Global	T.P.Neutral	No	No
additionalTradeItemClassificationSystemCode	Global	T.P.Neutral		
additionalTradeItemClassificationVersion	Global	T.P.Neutral		
additionalTradeItemDescription	Global/Local	T.P.Neutral	No	Yes
additionalTradeItemIdentification	Global/Local	T.P.Neutral		
additiveName	Global/Local	T.P.Neutral		
aDRDangerousGoodsLimitedQuantitiesCode	Global/Local	T.P.Neutral		
aDRDangerousGoodsPackagingTypeCode	Global/Local	T.P.Neutral		
aDRTunnelRestrictionCode	Global/Local	T.P.Neutral		
ageRangeDescription	Global/Local	T.P.Neutral	No	No
agreedMaximumBuyingQuantity	Global/Local	T.P.Neutral		
agreedMinimumBuyingQuantity	Global/Local	T.P.Neutral		
alcoholicBeverageSubregion	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
alcoholicPermissionLevel	Global/Local	T.P.Neutral		
allergenSpecificationAgency	Global/Local	T.P.Neutral		
allergenSpecificationName	Global/Local	T.P.Neutral		
allergenStatement	Global/Local	T.P.Neutral	No	Yes
allergenTypeCode	Global/Local	T.P.Neutral		
allowanceChargeAmount	Global/Local	T.P.Neutral & T.P.Dependent	No	No
allowanceChargeDescription	Global/Local	T.P.Neutral & T.P.Dependent	No	Yes
allowanceChargePercentage	Global/Local	T.P.Neutral & T.P.Dependent		
allowanceChargeTypeCode	Global/Local	T.P.Neutral & T.P.Dependent		
allowanceOrChargeType	Global/Local	T.P.Neutral & T.P.Dependent		
alternativeName	Global/Local	T.P.Neutral		
alternativeNameType	Global/Local	T.P.Neutral		
alternativeReturnableAssetIdentification	Global/Local	T.P.Neutral		
amountPerUnit	Global/Local	T.P.Neutral	No	No
applicationIdentifierTypeCode	Global/Local	T.P.Neutral		
aquaticEutrophicationMeasurement	Global/Local	T.P.Neutral	No	No
aquaticEutrophicationModelCode	Global/Local	T.P.Neutral		
aquaticEutrophicationModelDescription	Global/Local	T.P.Neutral	No	No
aquaticEutrophicationReferenceSubstanceCode	Global/Local	T.P.Neutral		
aquaticEutrophicationReferenceSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
aquaticEutrophicationWaterBodyDescription	Global/Local	T.P.Neutral	No	Yes
aquaticEutrophicationWaterBodyTypeCode	Global/Local	T.P.Neutral		
areBatteriesBuiltIn	Global/Local	T.P.Neutral		
areBatteriesIncluded	Global/Local	T.P.Neutral		
areBatteriesRequired	Global/Local	T.P.Neutral		
areFeesRequiredForUse	Global/Local	T.P.Neutral		
areHazardousComponentsRemovable	Global	T.P.Neutral		
areHumanModelsInFile	Global/Local	T.P.Neutral		
aspectRatioDescriptionCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
aspectRatioDimensionCode	Global/Local	T.P.Neutral		
audienceCodeValueCode	Global/Local	T.P.Neutral		
audienceDescription	Global/Local	T.P.Neutral	No	No
audienceRangePrecision1Code	Global/Local	T.P.Neutral		
audienceRangePrecision2Code	Global/Local	T.P.Neutral		
audienceRangeQualifierCode	Global/Local	T.P.Neutral		
audienceRangeValue1	Global/Local	T.P.Neutral		
audienceRangeValue2	Global/Local	T.P.Neutral		
audienceTypeCodeListCode	Global/Local	T.P.Neutral		
audioSoundTypeCode	Global/Local	T.P.Neutral		
audioVisualConnectionInputDirectionCode	Global/Local	T.P.Neutral		
audioVisualConnectionLocationCode	Global/Local	T.P.Neutral		
audioVisualConnectionQuantity	Global/Local	T.P.Neutral		
audioVisualConnectionTypeCode	Global/Local	T.P.Neutral		
audioVisualItemInstallationOptionTypeCode	Global/Local	T.P.Neutral		
audioVisualMediaDateTime	Global/Local	T.P.Neutral		
audioVisualMediaDateTypeCode	Global/Local	T.P.Neutral		
audioVisualMediaItemContributorName	Global/Local	T.P.Neutral		
audioVisualMediaItemContributorTypeCode	Global/Local	T.P.Neutral		
audioVisualMediaProductCollectionName	Global/Local	T.P.Neutral		
audioVisualMediaProductLabelName	Global/Local	T.P.Neutral		
audioVisualMediaProductLine	Global/Local	T.P.Neutral	Yes	Yes
audioVisualMediaProductTitle	Global/Local	T.P.Neutral		
autoIgnitionTemperature	Global/Local	T.P.Neutral	No	Yes
automaticPowerDownDefaultTimePeriod	Global	T.P.Neutral		
availableBrightnessValues	Global/Local	T.P.Neutral		
availableChannelStationQuantity	Global/Local	T.P.Neutral		
availableLanguageCode	Global/Local	T.P.Neutral		
availableTime	Global/Local	T.P.Neutral	No	No
averageDistanceTravelledToPointOfPackagingCode	Global/Local	T.P.Neutral		
awardPrizeCode	Global/Local	T.P.Neutral		
awardPrizeCountryCode	Global/Local	T.P.Neutral		
awardPrizeDescription	Global/Local	T.P.Neutral	No	No
awardPrizeJury	Global/Local	T.P.Neutral		
awardPrizeName	Global/Local	T.P.Neutral		
awardPrizeYear	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
baseAmount	Global/Local	T.P.Neutral	No	No
baseNumberOfUnits	Global/Local	T.P.Neutral	No	No
batteryTechnologyTypeCode	Global/Local	T.P.Neutral		
batteryTypeCode	Global/Local	T.P.Neutral		
batteryWeight	Global/Local	T.P.Neutral	No	No
bendAngleCode	Global/Local	T.P.Neutral		
biographicalNote	Global/Local	T.P.Neutral	No	No
boilingPoint	Global/Local	T.P.Neutral	No	Yes
boxOfficeRevenueDomestic	Global/Local	T.P.Neutral	No	No
boxOfficeRevenueFirstWeekDomestic	Global/Local	T.P.Neutral	No	No
boxOfficeRevenueUS	Global/Local	T.P.Neutral	No	No
boxOfficeRevenueWorldwideUSDollars	Global/Local	T.P.Neutral	No	No
brandDistributionTypeCode	Global/Local	T.P.Neutral		
brandName	Global	T.P.Neutral		
brandOwner	Global	T.P.Neutral		
builtInProductType	Global	T.P.Neutral		
campaignEndDateTime	Global	T.P.Neutral		
campaignName	Global	T.P.Neutral	No	No
campaignStartDateTime	Global	T.P.Neutral		
cancelledDateTime	Global	T.P.Neutral		
canFilesBeEdited	Global/Local	T.P.Neutral		
canFileStream	Global/Local	T.P.Neutral		
canTradeItemBeBackOrdered	Global/Local	T.P.Neutral		
cardPriceGroupIdentifier	Global/Local	T.P.Neutral		
casingTareWeight	Global	T.P.Neutral	No	No
cataloguePrice	Global/Local	T.P.Neutral	No	No
certificateIssuanceDateTime	Global/Local	T.P.Neutral		
certificationAgency	Global/Local	T.P.Neutral		
certificationAssessmentDateTime	Global/Local	T.P.Neutral		
certificationEffectiveEndDateTime	Global/Local	T.P.Neutral		
certificationEffectiveStartDateTime	Global/Local	T.P.Neutral		
certificationIdentification	Global/Local	T.P.Neutral		
certificationOrganisationIdentifier	Global/Local	T.P.Neutral		
certificationStandard	Global/Local	T.P.Neutral		
certificationValue	Global/Local	T.P.Neutral		
cheeseMaturationPeriodDescription	Global/Local	T.P.Neutral	No	No
cheeseMaturationProcessContainerTypeCode	Global/Local	T.P.Neutral		
chemicalIngredientConcentration	Global/Local	T.P.Neutral	No	No
chemicalIngredientConcentrationBasis	Global/Local	T.P.Neutral	No	No
chemicalIngredientIdentification	Global/Local	T.P.Neutral		
chemicalIngredientName	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
chemicalIngredientOrganisation	Global/Local	T.P.Neutral		
chemicalIngredientScheme	Global/Local	T.P.Neutral		
chemicalPhysicalStateCode	Global/Local	T.P.Neutral		
chemicalPropertyAdditionalDescription	Global/Local	T.P.Neutral	No	Yes
chemicalPropertyCode	Global/Local	T.P.Neutral		
chemicalPropertyName	Global/Local	T.P.Neutral		
chemicalPropertyTypeCode	Global/Local	T.P.Neutral		
chemicalRegulationAgency	Global/Local	T.P.Neutral		
chemicalRegulationName	Global/Local	T.P.Neutral		
clampPressure	Global/Local	T.P.Neutral	No	No
classOfDangerousGoods	Global/Local	T.P.Neutral		
closedCaptioningCode	Global/Local	T.P.Neutral		
clothingCut	Global/Local	T.P.Neutral	No	Yes
collarType	Global/Local	T.P.Neutral	No	No
collectionIdentifier	Global/Local	T.P.Neutral		
collectionIdentifierTypeCode	Global/Local	T.P.Neutral		
collectionTypeCodeReference	Global/Local	T.P.Neutral		
colorDescription	Global	T.P.Neutral	No	Yes
colourCode	Global	T.P.Neutral		
combFilterTechnologyTypeCode	Global/Local	T.P.Neutral		
communityVisibilityDateTime	Local	T.P.Neutral		
componentDescription	Global/Local	T.P.Neutral	No	Yes
componentIdentification	Global/Local	T.P.Neutral		
componentNumber	Global/Local	T.P.Neutral		
componentsLabeledForDisassemblyRecyclingPercent	Global	T.P.Neutral		
compulsoryAdditiveLabelInformation	Global/Local	T.P.Neutral	No	Yes
conditionsToAvoid	Global/Local	T.P.Neutral	Yes	Yes
consumerFirstAvailabilityDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
consumerPackageDisclaimer	Global/Local	T.P.Neutral	Yes	Yes
consumerSafetyInformation	Global/Local	T.P.Neutral	Yes	Yes
consumerSalesConditionCode	Global/Local	T.P.Neutral		
consumerStorageInstructions	Global/Local	T.P.Neutral	Yes	Yes
consumerUsageInstructions	Global/Local	T.P.Neutral	Yes	Yes
contactAddress	Global/Local	T.P.Neutral		
contactDescription	Global/Local	T.P.Neutral	Yes	Yes
contactName	Global/Local	T.P.Neutral		
contactTypeCode	Global/Local	T.P.Neutral		
contentDate	Global/Local	T.P.Neutral		
contentDateRoleTypeCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
contentDescription	Global/Local	T.P.Neutral	No	No
contentsDescription	Global/Local	T.P.Neutral	No	No
contolledSubstanceCode	Global/Local	T.P.Neutral		
contributorDate	Global/Local	T.P.Neutral		
contributorDescription	Global/Local	T.P.Neutral	No	No
contributorPlaceCountry	Global/Local	T.P.Neutral		
contributorPlaceRegion	Global/Local	T.P.Neutral		
contributorPlaceTypeCode	Global/Local	T.P.Neutral		
contributorRoleCode	Global/Local	T.P.Neutral		
contributorStatement	Global/Local	T.P.Neutral	No	No
controlledSubstanceAmount	Global/Local	T.P.Neutral	No	No
controlledSubstanceName	Global/Local	T.P.Neutral		
controlledSubstanceScheduleCodeReference	Global/Local	T.P.Neutral		
controlOfHazardousSubstancesRegulationsAgency	Global/Local	T.P.Neutral		
controlOfHazardousSubstancesRegulationsRegulationName	Global/Local	T.P.Neutral		
convenienceLevelPercent	Global/Local	T.P.Neutral		
copyrightFee	Global/Local	T.P.Neutral	No	No
copyrightOwnerIdentifier	Global/Local	T.P.Neutral		
copyrightOwnerIdentifierTypeCodeReference	Global/Local	T.P.Neutral		
copyrightRate	Global/Local	T.P.Neutral		
copyrightYear	Global/Local	T.P.Neutral		
corporateName	Global/Local	T.P.Neutral		
corporateNameInverted	Global/Local	T.P.Neutral		
countryOfOriginStatement	Global/Local	T.P.Neutral	Yes	Yes
couponFamilyCode	Local	T.P.Neutral		
cumulativeEnergyDemand	Global/Local	T.P.Neutral	No	No
cumulativeEnergyDemandDescription	Global/Local	T.P.Neutral	No	Yes
cumulativeEnergyDemandProtocolCode	Global/Local	T.P.Neutral		
cumulativeEnergyDemandProtocolDescription	Global/Local	T.P.Neutral	No	Yes
cumulativeEnergyDemandReferenceSubstanceCode	Global/Local	T.P.Neutral		
cumulativeEnergyDemandReferenceSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
cumulativeEnergyDemandTypeCode	Global/Local	T.P.Neutral		
cumulativeHumidityInterruptionAcceptableTimeSpan	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
cumulativeHumidityInterruptionAcceptableTimeSpanInstructions	Global/Local	T.P.Neutral	No	No
cumulativeTemperatureInterruptionAcceptableTimeSpan	Global/Local	T.P.Neutral		
cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions	Global/Local	T.P.Neutral	No	No
dailyValueIntakePercent	Global/Local	T.P.Neutral		
dailyValueIntakeReference	Global/Local	T.P.Neutral	No	Yes
dangerousGoodsClassificationCode	Global/Local	T.P.Neutral		
dangerousGoodsHazardousCode	Global/Local	T.P.Neutral		
dangerousGoodsPackingGroup	Global/Local	T.P.Neutral		
dangerousGoodsRegulationAgency	Global/Local	T.P.Neutral		
dangerousGoodsRegulationCode	Global/Local	T.P.Neutral		
dangerousGoodsShippingName	Global/Local	T.P.Neutral		
dangerousGoodsSpecialProvisions	Global/Local	T.P.Neutral		
dangerousGoodsTechnicalName	Global/Local	T.P.Neutral	No	Yes
dangerousGoodsTransportCategoryCode	Global/Local	T.P.Neutral		
dangerousHazardousLabelNumber	Global/Local	T.P.Neutral		
dangerousHazardousLabelSequenceNumber	Global/Local	T.P.Neutral		
dangerousSubstanceGasDensity	Global/Local	T.P.Neutral	No	No
dangerousSubstanceHeatOfCombustion	Global/Local	T.P.Neutral	No	No
dangerousSubstanceName	Global/Local	T.P.Neutral		
dangerousSubstancePhaseOfMatterCode	Global/Local	T.P.Neutral		
dangerousSubstancesWaterSolubilityCode	Global/Local	T.P.Neutral		
dangerousSubstanceWasteCode	Global/Local	T.P.Neutral		
dataCarrierFamilyTypeCode	Global	T.P.Neutral		
dataCarrierPresenceCode	Global/Local	T.P.Neutral		
dataCarrierTypeCode	Global	T.P.Neutral		
degreeOfOriginalWort	Global/Local	T.P.Neutral		
depositValueEffectiveDateTime	Global/Local	T.P.Neutral		
depositValueEndDateTime	Global/Local	T.P.Neutral		
depth	Global/Local	T.P.Neutral	No	No
descriptionShort	Global	T.P.Neutral	No	Yes
descriptionSource	Global/Local	T.P.Neutral		
descriptiveSize	Global	T.P.Neutral	No	No
descriptiveSizeDimension	Global	T.P.Neutral	No	No
detachableSpeakerTypeCode	Global/Local	T.P.Neutral		
diameter	Global/Local	T.P.Neutral	No	No
dietCertification	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
dietTypeCode	Global/Local	T.P.Neutral		
dietTypeDescription	Global/Local	T.P.Neutral	No	Yes
dietTypeSubcode	Global/Local	T.P.Neutral		
digitalisationLevelCode	Global/Local	T.P.Neutral		
dimensionTypeCode	Global/Local	T.P.Neutral		
discNumber	Global/Local	T.P.Neutral		
discontinuedDateTime	Global/Local	T.P.Neutral		
discountAmount	Global/Local	T.P.Neutral & T.P.Dependent	No	No
discountDescription	Global/Local	T.P.Neutral & T.P.Dependent	No	Yes
discountPercent	Global/Local	T.P.Neutral & T.P.Dependent		
discountType	Global/Local	T.P.Neutral & T.P.Dependent		
displayResolutionCode	Global/Local	T.P.Neutral		
displayScreenBezelSize	Global/Local	T.P.Neutral	No	Yes
displayScreenSize	Global/Local	T.P.Neutral	No	Yes
displayScreenTypeCode	Global/Local	T.P.Neutral		
displayTypeCode	Global/Local	T.P.Neutral		
distributionMediaCount	Global/Local	T.P.Neutral		
distributionMediaTypeCode	Global/Local	T.P.Neutral		
distributionMethodCode	Global/Local	T.P.Neutral & T.P.Dependent		
doesItemComeWithHanger	Global/Local	T.P.Neutral		
doesItemContainAControlledSubstance	Global/Local	T.P.Neutral		
doesManufacturerHaveTakeBackProgram	Global/Local	T.P.Neutral		
doesPackagingHaveWheels	Global/Local	T.P.Neutral		
doesPackagingRecoveryRateTypeCodeMeetTheStandard	Global/Local	T.P.Neutral		
doesSaleOfTradeItemRequireGovernmentalReporting	Global/Local	T.P.Neutral		
doesTradeItemCompositionIncludeLatex	Global/Local	T.P.Neutral		
doesTradeItemContainHumanBloodDerivative	Global/Local	T.P.Neutral		
doesTradeItemContainLatex	Global/Local	T.P.Neutral		
doesTradeItemContainPesticide	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
doesTradeItemContainPropellant	Global	T.P.Neutral		
doesTradeItemHaveAutoReaderTracker	Global/Local	T.P.Neutral		
doesTradeItemHaveRefuseObligations	Global/Local	T.P.Neutral		
doPackagingMaterialsContainLatex	Global/Local	T.P.Neutral		
drainedWeight	Global/Local	T.P.Neutral	No	No
dropBelowMinimumHumidityAcceptableTimeSpan	Global/Local	T.P.Neutral		
dropBelowMinimumTemperatureAcceptableTimeSpan	Global/Local	T.P.Neutral		
dubbedLanguageCode	Global/Local	T.P.Neutral		
dubbedSubtitledCode	Global/Local	T.P.Neutral		
dutyFeeTaxAgencyCode	Global/Local	T.P.Neutral		
dutyFeeTaxAgencyName	Global/Local	T.P.Neutral		
dutyFeeTaxAmount	Global/Local	T.P.Neutral	No	No
dutyFeeTaxBasis	Global/Local	T.P.Neutral	Yes	Yes
dutyFeeTaxCategoryCode	Global/Local	T.P.Neutral		
dutyFeeTaxClassificationCode	Global/Local	T.P.Neutral		
dutyFeeTaxCountryCode	Global/Local	T.P.Neutral		
dutyFeeTaxCountrySubdivisionCode	Global/Local	T.P.Neutral		
dutyFeeTaxEffectiveEndDateTime	Global/Local	T.P.Neutral		
dutyFeeTaxEffectiveStartDateTime	Global/Local	T.P.Neutral		
dutyFeeTaxExemptPartyRoleCode	Global/Local	T.P.Neutral		
dutyFeeTaxRate	Global/Local	T.P.Neutral		
dutyFeeTaxReductionCriteriaDescription	Global/Local	T.P.Neutral	No	No
dutyFeeTaxTypeCode	Global/Local	T.P.Neutral		
dutyFeeTaxTypeDescription	Global/Local	T.P.Neutral	No	No
dvdRegionCode	Global/Local	T.P.Neutral		
dynamicContrastRatio	Global/Local	T.P.Neutral		
ecologicalInformationDescription	Global/Local	T.P.Neutral	No	Yes
editionDescription	Global/Local	T.P.Neutral	No	No
editionNumber	Global/Local	T.P.Neutral		
editionStatement	Global/Local	T.P.Neutral	No	No
editionTypeCode	Global/Local	T.P.Neutral		
editionVersionNumber	Global/Local	T.P.Neutral		
effectiveDateTime	Global/Local	T.P.Neutral		
electronicProgrammingGuideDaysAvailable	Global/Local	T.P.Neutral		
endAvailabilityDateTime	Global/Local	T.P.Neutral & T.P.Dependent		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
endDateTimeOfExclusivity	Global/Local	T.P.Neutral & T.P.Dependent		
endMaximumBuyingQuantityDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
endMinimumBuyingQuantityDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
enumerationValue	Global/Local	T.P.Neutral		
enumerationValueDefinition	Global/Local	T.P.Neutral	No	No
enumerationValueDescription	Global/Local	T.P.Neutral	No	No
epubTechnicalProtectionTypeCode	Global/Local	T.P.Neutral		
epubUsageLimit	Global/Local	T.P.Neutral		
epubUsageStatus	Global/Local	T.P.Neutral		
epubUsageType	Global/Local	T.P.Neutral		
eRGNumber	Global/Local	T.P.Neutral		
exactPH	Global	T.P.Neutral		
extentTypeCode	Global/Local	T.P.Neutral		
extentUnitCode	Global/Local	T.P.Neutral		
extentValue	Global/Local	T.P.Neutral		
extentValueRoman	Global/Local	T.P.Neutral		
externalAgencyName	Global/Local	T.P.Neutral		
externalCodeListName	Global/Local	T.P.Neutral		
externalCodeListVersion	Global/Local	T.P.Neutral		
externalMemoryTypeCode	Global/Local	T.P.Neutral		
extinguishingMediaDescription	Global/Local	T.P.Neutral	No	Yes
extremelyHazardousSubstanceQuantity	Global/Local	T.P.Neutral	No	No
facilitiesInStressedWaterAreaCalculationMethod	Global/Local	T.P.Neutral	No	Yes
facilitiesInStressedWaterAreaPercent	Global/Local	T.P.Neutral		
fatInMilkContent	Global/Local	T.P.Neutral		
fatPercentageInDryMatter	Global/Local	T.P.Neutral		
fileAspectRatio	Global	T.P.Neutral		
fileAuthorName	Global	T.P.Neutral		
fileBackgroundColourDescription	Global	T.P.Neutral	Yes	Yes
fileCameraPerspective	Global	T.P.Neutral	Yes	Yes
fileCampaignDescription	Global	T.P.Neutral	Yes	Yes
fileColourCalibration	Global	T.P.Neutral	Yes	Yes
fileColourSchemeCode	Global	T.P.Neutral		
fileCompressionType	Global	T.P.Neutral	Yes	Yes
fileContrast	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
fileCopyrightDescription	Global	T.P.Neutral	Yes	Yes
fileCreationProgram	Global	T.P.Neutral		
fileDepictedSceneDescription	Global	T.P.Neutral	Yes	Yes
fileDepictedSeason	Global	T.P.Neutral	Yes	Yes
fileDisclaimerInformation	Global/Local	T.P.Neutral	Yes	Yes
fileEffectiveEndDateTime	Global/Local	T.P.Neutral		
fileEffectiveStartDateTime	Global/Local	T.P.Neutral		
fileFeeDescription	Global/Local	T.P.Neutral	Yes	Yes
fileFormatDescription	Global/Local	T.P.Neutral	No	No
fileFormatName	Global/Local	T.P.Neutral		
fileItemPositionCode	Global	T.P.Neutral		
fileLanguageCode	Global	T.P.Neutral		
fileLayerQuantity	Global	T.P.Neutral		
fileLifeStyleDescription	Global	T.P.Neutral	Yes	Yes
fileName	Global/Local	T.P.Neutral		
fileOptimalViewerName	Global	T.P.Neutral		
fileOriginCountryCode	Global/Local	T.P.Neutral		
filePixelHeight	Global/Local	T.P.Neutral		
filePixelWidth	Global/Local	T.P.Neutral		
filePlaybackRate	Global	T.P.Neutral		
filePrintHeight	Global	T.P.Neutral	No	Yes
filePrintWidth	Global	T.P.Neutral	No	Yes
fileRecommendedUsageDescription	Global	T.P.Neutral	Yes	Yes
fileResolutionDescription	Global	T.P.Neutral	No	No
fileRightsDescription	Global/Local	T.P.Neutral	Yes	Yes
fileRunTime	Global	T.P.Neutral		
fileSize	Global	T.P.Neutral	Yes	Yes
fileStoryDescription	Global	T.P.Neutral	Yes	Yes
fileTalentDescription	Global	T.P.Neutral	Yes	Yes
fileUsageRestriction	Global	T.P.Neutral	Yes	Yes
fileVersion	Global	T.P.Neutral		
fireFighterProtectiveEquipmentDescription	Global/Local	T.P.Neutral	No	Yes
firstAidProceduresDescription	Global/Local	T.P.Neutral	No	Yes
firstdeliverydatetime	Global/Local	T.P.Neutral & T.P.Dependent		
firstOrderDateTime	Global/Local	T.P.Neutral & T.P.Dependent		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
firstReturnableDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
firstShipDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
fishMeatPoultryTypeCodeReference	Global/Local	T.P.Neutral		
fixedSpeakerLocationCode	Global/Local	T.P.Neutral		
flammableAerosolContainmentCode	Global/Local	T.P.Neutral		
flammableGasWeight	Global/Local	T.P.Neutral	No	No
flammablePropertiesDescription	Global/Local	T.P.Neutral	No	Yes
flammableSubstanceMaximumPercent	Global/Local	T.P.Neutral		
flammableSubstanceMinimumPercent	Global/Local	T.P.Neutral		
flashPointTemperature	Global/Local	T.P.Neutral	No	Yes
flashPointTestMethodCode	Global/Local	T.P.Neutral		
foodBeverageCompositionCode	Global/Local	T.P.Neutral		
foodBeverageCompositionDatabaseCode	Global/Local	T.P.Neutral		
foodBeverageCompositionDescription	Global/Local	T.P.Neutral	No	No
freeQuantityOfNextLowerLevelTradeItem	Global/Local	T.P.Neutral	No	Yes
freeQuantityOfProduct	Global/Local	T.P.Neutral	No	Yes
freezingMeltingPoint	Global/Local	T.P.Neutral	No	Yes
freshWaterEcotoxicityMeasurement	Global/Local	T.P.Neutral	No	No
freshWaterEcotoxicityModelCode	Global/Local	T.P.Neutral		
freshWaterEcotoxicityModelDescription	Global/Local	T.P.Neutral	No	Yes
freshWaterEcotoxicityReferenceSubstanceCode	Global/Local	T.P.Neutral		
freshWaterEcotoxicityReferenceSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
fromLanguage	Global/Local	T.P.Neutral		
functionalBasisUnitCode	Global/Local	T.P.Neutral		
functionalBasisUnitDescription	Global/Local	T.P.Neutral	No	Yes
functionalName	Global/Local	T.P.Neutral	No	Yes
gameFormatCode	Global/Local	T.P.Neutral		
geneticallyModifiedDeclarationCode	Global/Local	T.P.Neutral		
genreTypeCodeReference	Global/Local	T.P.Neutral		
genus	Global	T.P.Neutral		
gHSSignalWordsCode	Global/Local	T.P.Neutral		
gHSSymbolDescriptionCode	Global/Local	T.P.Neutral		
globalWarmingPotentialEquivalent	Global/Local	T.P.Neutral	No	No
globalWarmingPotentialEquivalentBasisYearsCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
globalWarmingPotentialEquivalentBasisYearsDescription	Global/Local	T.P.Neutral	No	Yes
globalWarmingPotentialEquivalentProtocolCode	Global/Local	T.P.Neutral		
globalWarmingPotentialEquivalentProtocolDescription	Global/Local	T.P.Neutral	No	Yes
globalWarmingPotentialEquivalentSubstanceCode	Global/Local	T.P.Neutral		
globalWarmingPotentialEquivalentSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
goodsPickUpLeadTime	Global/Local	T.P.Neutral	No	No
gpcAttributeTypeCode	Global	T.P.Neutral		
gpcAttributeTypeDefinition	Global	T.P.Neutral		
gpcAttributeTypeName	Global	T.P.Neutral		
gpcAttributeValueCode	Global	T.P.Neutral		
gpcAttributeValueName	Global	T.P.Neutral		
gpcCategoryCode	Global	T.P.Neutral		
gpcCategoryDefinition	Global	T.P.Neutral		
gpcCategoryName	Global	T.P.Neutral		
gradeCodeReference	Global/Local	T.P.Neutral		
grai	Global	T.P.Neutral		
grapeVarietyCode	Global/Local	T.P.Neutral		
grossWeight	Global/Local	T.P.Neutral	No	No
growingMethodCode	Global/Local	T.P.Neutral		
gs1TradeItemIdentificationKeyCode	Global/Local	T.P.Neutral		
gs1TradeItemIdentificationKeyValue	Global/Local	T.P.Neutral		
gtin	Global	T.P.Neutral		
handlingInstructionsCodeReference	Global	T.P.Neutral		
handlingInstructionsDescription	Global	T.P.Neutral	No	Yes
hasBatchNumber	Local	T.P.Neutral		
hasCancerousProperties	Global/Local	T.P.Neutral		
hasDisplayReadyPackaging	Global/Local	T.P.Neutral		
hasParentalAdvisorySticker	Global/Local	T.P.Neutral		
haveYouMinimizedHazardousSubstance	Global/Local	T.P.Neutral		
hazardousClassSubsidiaryRiskCode	Global/Local	T.P.Neutral		
hazardousMaterialAdditionalInformation	Global/Local	T.P.Neutral	No	No
hazardousMaterialsHandlingProcedures	Global/Local	T.P.Neutral	Yes	Yes
hazardousSubstancesMinimizationCode	Global/Local	T.P.Neutral		
hazardousWasteAgency	Global/Local	T.P.Neutral		
hazardousWasteCode	Global/Local	T.P.Neutral		
hazardousWasteDescription	Global/Local	T.P.Neutral	No	Yes

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
hazardStatementsCode	Global/Local	T.P.Neutral		
hazardStatementsDescription	Global/Local	T.P.Neutral	No	Yes
hDMITestingAgencyCode	Global/Local	T.P.Neutral		
healthClaimCode	Global/Local	T.P.Neutral		
healthClaimDescription	Global/Local	T.P.Neutral	Yes	Yes
height	Global/Local	T.P.Neutral	No	No
horizontalViewingAngle	Global/Local	T.P.Neutral		
humidityQualifierCode	Global/Local	T.P.Neutral		
illegalToAdvertiseTargetMarket	Global/Local	T.P.Neutral		
illustrationNote	Global/Local	T.P.Neutral	No	No
illustrationTypeCode	Global/Local	T.P.Neutral		
importClassificationCountrySubdivisionRegionOfOrigin	Global/Local	T.P.Neutral		
importClassificationTypeCode	Global/Local	T.P.Neutral		
importClassificationValue	Global/Local	T.P.Neutral		
inBoxCubeDimension	Global/Local	T.P.Neutral	No	No
incotermCode	Global/Local	T.P.Neutral		
incotermCodeLocation	Global/Local	T.P.Neutral		
incotermCountryCode	Global/Local	T.P.Neutral		
individualUnitMaximumSize	Global/Local	T.P.Neutral	No	No
individualUnitMinimumSize	Global/Local	T.P.Neutral	No	No
informationProviderOfTradeItem	Global	T.P.Neutral		
ingredientContentPercentage	Global/Local	T.P.Neutral		
ingredientCountryOfOriginCode	Global/Local	T.P.Neutral		
ingredientGeneticallyModifiedDeclarationCode	Global/Local	T.P.Neutral		
ingredientGrowingMethodCode	Global/Local	T.P.Neutral		
ingredientIrradiatedCode	Global/Local	T.P.Neutral		
ingredientName	Global/Local	T.P.Neutral	No	Yes
ingredientOfConcernCode	Global/Local	T.P.Neutral		
ingredientPurpose	Global/Local	T.P.Neutral		
ingredientSequence	Global/Local	T.P.Neutral		
ingredientSourceAnimalCode	Global/Local	T.P.Neutral		
ingredientStatement	Global/Local	T.P.Neutral	No	Yes
ingredientStrength	Global/Local	T.P.Neutral	No	No
ingredientStrengthBasis	Global/Local	T.P.Neutral	No	No
initialManufacturerSterilisationCode	Global/Local	T.P.Neutral		
initialSterilisationPriorToUseCode	Global/Local	T.P.Neutral		
intendedPublicationCountryCode	Global/Local	T.P.Neutral		
intendedPublicationMediaTypeDescription	Global/Local	T.P.Neutral	Yes	Yes
internalMemoryTypeCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
invoiceName	Global	T.P.Neutral	No	Yes
irradiatedCode	Global/Local	T.P.Neutral		
isAcutelyHazardousWaste	Global/Local	T.P.Neutral		
isAssemblyRequired	Global	T.P.Neutral		
isBarCodeDerivable	Global	T.P.Neutral		
isBarCodeOnPackageVariableMeasureBarCode	Global	T.P.Neutral		
isBasePriceDeclarationRelevant	Global/Local	T.P.Neutral		
isDangerousSubstance	Global/Local	T.P.Neutral		
isDangerousSubstanceAMixture	Global/Local	T.P.Neutral		
isDigitalDownloadAvailable	Global/Local	T.P.Neutral		
isDiscountingIllegal	Global/Local	T.P.Neutral		
isDistributionMethodPrimary	Global/Local	T.P.Neutral		
isEligibleForRevenueShare	Global/Local	T.P.Neutral		
isFileBackgroundTransparent	Global	T.P.Neutral		
isFileForInternalUseOnly	Global	T.P.Neutral		
isHomogenised	Global/Local	T.P.Neutral		
isIngredientActive	Global/Local	T.P.Neutral		
isIngredientGeneric	Global/Local	T.P.Neutral		
isNetContentDeclarationIndicated	Global/Local	T.P.Neutral		
isNonGTINLogisticsUnitPackedIrregularly	Global/Local	T.P.Neutral		
isNonSoldTradeItemReturnable	Global/Local	T.P.Neutral		
isOneTimeBuy	Global/Local	T.P.Neutral		
isPackagingExemptFromRefuseObligation	Global/Local	T.P.Neutral		
isPackagingMarkedReturnable	Global	T.P.Neutral		
isPackagingMarkedWithIngredients	Local	T.P.Neutral		
isPackagingMaterialRecoverable	Global/Local	T.P.Neutral		
isPackagingSuitableForAirShipment	Global/Local	T.P.Neutral		
isPriceOnPack	Global	T.P.Neutral		
isPrimaryMaterial	Global/Local	T.P.Neutral		
isProductCustomizable	Global/Local	T.P.Neutral		
isProhibitedForTransportation	Global/Local	T.P.Neutral		
isRadioFrequencyIDOnPackaging	Global/Local	T.P.Neutral		
isRegulatedForTransportation	Global/Local	T.P.Neutral		
isReturnableAssetEmpty	Global/Local	T.P.Neutral		
isRindEdible	Global/Local	T.P.Neutral		
isSubstanceOfVeryHighConcern	Global/Local	T.P.Neutral		
isTalentReleaseOnFile	Global	T.P.Neutral		
isTradeItemABaseUnit	Global	T.P.Neutral		
isTradeItemACombinationItem	Global/Local	T.P.Neutral		
isTradeItemAConsumerUnit	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
isTradeItemADespatchUnit	Global/Local	T.P.Neutral & T.P.Dependent		
isTradeItemADisplayUnit	Global	T.P.Neutral		
isTradeItemAnInvoiceUnit	Global/Local	T.P.Neutral & T.P.Dependent		
isTradeItemAnOrderableUnit	Global/Local	T.P.Neutral & T.P.Dependent		
isTradeItemAService	Global	T.P.Neutral		
isTradeItemAutomaticPowerDownEnabled	Global	T.P.Neutral		
isTradeItemAVariableUnit	Global	T.P.Neutral		
isTradeItemChemicalNotIntendedForHumanConsumption	Global	T.P.Neutral		
isTradeItemConsideredDopingProduct	Global/Local	T.P.Neutral		
isTradeItemConsideredGeneric	Global/Local	T.P.Neutral		
isTradeItemConsumerUpgradeableOrMaintainable	Global	T.P.Neutral		
isTradeItemDesignedForEasyDisassembly	Global	T.P.Neutral		
isTradeItemHanging	Global/Local	T.P.Neutral		
isTradeItemImplantable	Global	T.P.Neutral		
isTradeItemMarkedAsRecyclable	Global/Local	T.P.Neutral		
isTradeItemMarkedNoShake	Global/Local	T.P.Neutral		
isTradeItemNonphysical	Global	T.P.Neutral		
istradeItemPackedIrregularly	Global	T.P.Neutral		
isTradeItemREACHRelevant	Local	T.P.Neutral		
isTradeItemRecalled	Global/Local	T.P.Neutral		
isTradeItemReconditioned	Global	T.P.Neutral		
isTradeItemReorderable	Global/Local	T.P.Neutral		
isTradeItemRequiredToRemainSterile	Global	T.P.Neutral		
isTradeItemRigidPlasticPackagingContainer	Global	T.P.Neutral		
isTradeItemROHSCompliant	Global	T.P.Neutral		
isTradeItemSeasonal	Local	T.P.Neutral		
isTradeItemShippedInMultipleContainers	Local	T.P.Neutral		
isTradeItemSizeBasedPricing	Global/Local	T.P.Neutral		
isTradeItemUniversalWaste	Global	T.P.Neutral		
isUniversalWaste	Global/Local	T.P.Neutral		
itemDepictionTypeCode	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
itemsInFileDescription	Global	T.P.Neutral	Yes	Yes
juiceContentPercent	Global/Local	T.P.Neutral		
keyNames	Global/Local	T.P.Neutral		
labelDescription	Global/Local	T.P.Neutral	Yes	Yes
languageSpecificBrandName	Global/Local	T.P.Neutral	No	Yes
languageSpecificSubBrandName	Global/Local	T.P.Neutral	No	Yes
lastChangeDateTime	Global	T.P.Neutral		
lastOrderDateTime	Global/Local	T.P.Neutral		
lastReturnableDateTime	Global/Local	T.P.Neutral		
lastShipDateTime	Global/Local	T.P.Neutral		
layerHeight	Global	T.P.Neutral	No	No
lethalConcentration50	Global/Local	T.P.Neutral	No	No
lethalConcentration50Basis	Global/Local	T.P.Neutral	No	No
lethalDose50	Global/Local	T.P.Neutral	No	No
lethalDose50Basis	Global/Local	T.P.Neutral	No	No
lettersAfterNames	Local	T.P.Neutral		
levelOfContainmentCode	Global/Local	T.P.Neutral		
logisticsUnitStackingFactor	Global	T.P.Neutral		
longSynopsis	Global/Local	T.P.Neutral	No	No
lowerExplosiveLimit	Local	T.P.Neutral		
mainSubject	Global/Local	T.P.Neutral		
manufacturerDeclaredReusabilityTypeCode	Global/Local	T.P.Neutral		
manufacturerOfTradeItem	Global	T.P.Neutral		
manufacturerPreparationTypeCode	Global/Local	T.P.Neutral		
manufacturerSpecifiedAcceptableResterilisationCode	Global/Local	T.P.Neutral		
manufacturerTakeBackProgramFee	Global/Local	T.P.Neutral	No	Yes
mapScale	Global/Local	T.P.Neutral		
marinePollutantTechnicalName	Global/Local	T.P.Neutral		
massEquivalentCode	Global/Local	T.P.Neutral		
massEquivalentMeasurement	Global/Local	T.P.Neutral	No	No
massEquivalentProtocolCode	Global/Local	T.P.Neutral		
massEquivalentProtocolDescription	Global/Local	T.P.Neutral	No	Yes
massEquivalentSubstanceCodeReference	Global/Local	T.P.Neutral		
massEquivalentSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
materialAgencyCode	Global	T.P.Neutral		
materialCode	Global	T.P.Neutral		
materialContent	Global	T.P.Neutral	No	No
materialPercentage	Global	T.P.Neutral		
materialThreadCount	Global/Local	T.P.Neutral	No	No

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
materialWeight	Global/Local	T.P.Neutral	No	No
maturationMethodCode	Global/Local	T.P.Neutral		
maximumAge	Global/Local	T.P.Neutral		
maximumCyclesReusable	Global	T.P.Neutral		
maximumHumidityAcceptableTimeSpan	Global/Local	T.P.Neutral		
maximumHumidityPercentage	Global/Local	T.P.Neutral		
maximumNumberOfPlayers	Global/Local	T.P.Neutral		
maximumNumberOfSmallestUnitsPerPackage	Global/Local	T.P.Neutral		
maximumOptimumConsumptionTemperature	Global/Local	T.P.Neutral	No	Yes
maximumPH	Global	T.P.Neutral		
maximumReusableDays	Global/Local	T.P.Neutral		
maximumTemperature	Global/Local	T.P.Neutral	No	No
maximumTemperatureAcceptableTimeSpan	Global/Local	T.P.Neutral		
maximumToleranceTemperature	Global/Local	T.P.Neutral	No	No
measurementPrecisionCode	Global/Local	T.P.Neutral		
	Global/Local	T.P.Neutral		
meshMaterialCode	Global/Local	T.P.Neutral		
meshSizeCode	Global/Local	T.P.Neutral		
microbiologicalOrganismCode	Global/Local	T.P.Neutral		
microbiologicalOrganismMaximumValue	Global/Local	T.P.Neutral	No	No
microbiologicalOrganismReferenceValue	Global/Local	T.P.Neutral	No	No
microbiologicalOrganismWarningValue	Global/Local	T.P.Neutral	No	No
minimumAge	Global/Local	T.P.Neutral		
minimumFishMeatPoultryContent	Global/Local	T.P.Neutral	No	Yes
minimumHumidityPercentage	Global/Local	T.P.Neutral		
minimumNumberOfPlayers	Global/Local	T.P.Neutral		
minimumOptimumConsumptionTemperature	Global/Local	T.P.Neutral	No	Yes
minimumPH	Global	T.P.Neutral		
minimumTemperature	Global/Local	T.P. Neutral	No	No
minimumToleranceTemperature	Global/Local	T.P.Neutral	No	No
minimumTradeItemLifespanFromTimeOfArrival	Global/Local	T.P.Neutral & T.P.Dependent		
minimumTradeItemLifespanFromTimeOfProduction	Global/Local	T.P.Neutral & T.P.Dependent		
mRICompatibilityCode	Global	T.P.Neutral		
multiPictureDisplayCapabilityTypeCode	Global/Local	T.P.Neutral		
musicPerformanceType	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
nameAsSubject	Global/Local	T.P.Neutral		
namesAfterKey	Global/Local	T.P.Neutral		
namesBeforeKey	Global/Local	T.P.Neutral		
nameTypeCode	Global/Local	T.P.Neutral		
nestingDirectionCode	Global	T.P.Neutral		
nestingIncrement	Global	T.P.Neutral	Yes	Yes
nestingTypeCode	Global	T.P.Neutral		
netContent	Global	T.P.Neutral	No	Yes
netMassOfExplosives	Global/Local	T.P.Neutral	No	No
netWeight	Global/Local	T.P.Neutral	No	No
nominalInsideDiameter	Global/Local	T.P.Neutral	No	No
nominalOutsideDiameter	Global/Local	T.P.Neutral	No	No
nonfoodIngredientCodeReference	Global/Local	T.P.Neutral		
nonfoodingredientName	Global/Local	T.P.Neutral		
nonhazardousWasteDescription	Global/Local	T.P.Neutral	Yes	Yes
nonMarkedTradeItemComponents	Global/Local	T.P.Neutral	No	No
nonPromotionalTradeItem	Global/Local	T.P.Neutral		
noteToPhysician	Global/Local	T.P.Neutral	No	Yes
numberOfCyclesPriorToWithdrawal	Global/Local	T.P.Neutral		
numberOfFacilitiesInStressedWaterArea	Global/Local	T.P.Neutral		
numberOfIllustratedPages	Global/Local	T.P.Neutral		
numberOfIllustrations	Global/Local	T.P.Neutral		
numberOfItemsInDigitalAsset	Global	T.P.Neutral		
numberOfPackagesForSetPiecesGTIN	Global/Local	T.P.Neutral		
numberOfPiecesInSet	Global/Local	T.P.Neutral		
numberOfServingsPerPackage	Global/Local	T.P.Neutral		
numberOfServingsPerPackageMeasurementPrecisionCode	Global/Local	T.P.Neutral		
numberOfSmallestUnitsPerPackage	Global/Local	T.P.Neutral		
nutrientBasisQuantity	Global/Local	T.P.Neutral	No	No
nutrientBasisQuantityTypeCode	Global/Local	T.P.Neutral		
nutrientTypeCode	Global/Local	T.P.Neutral		
nutritionalClaim	Global/Local	T.P.Neutral	Yes	Yes
nutritionalClaimNutrientElementCode	Global/Local	T.P.Neutral		
nutritionalClaimTypeCode	Global/Local	T.P.Neutral		
nutritionalLabelTypeCode	Global/Local	T.P.Neutral		
nutritionalProgramCode	Global/Local	T.P.Neutral		
offerOnPack	Local	T.P.Neutral		
openedTradeItemLifeSpan	Global	T.P.Neutral		
orderableReturnableConditionsCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
orderingLeadTime	Global/Local	T.P.Neutral & T.P.Dependent	No	Yes
orderingUnitOfMeasure	Global/Local	T.P.Neutral & T.P.Dependent		
orderQuantityMaximum	Global/Local	T.P.Neutral & T.P.Dependent		
orderQuantityMinimum	Global/Local	T.P.Neutral & T.P.Dependent		
orderQuantityMultiple	Global/Local	T.P.Neutral & T.P.Dependent		
orderSizingFactor	Global/Local	T.P.Neutral & T.P.Dependent	No	Yes
organicClaimAgencyCode	Global/Local	T.P.Neutral		
organicPercentClaim	Global/Local	T.P.Neutral		
organicProductPlaceOfFarmingCode	Global/Local	T.P.Neutral		
organicTradeItemCode	Global/Local	T.P.Neutral		
orientationPreferenceSequence	Global	T.P.Neutral		
orientationTypeCode	Global	T.P.Neutral		
originalLanguageCode	Global/Local	T.P.Neutral		
packagedProductWastagePercent	Global/Local	T.P.Neutral		
packagedUnpackagedShelfLifeRatio	Global/Local	T.P.Neutral		
packagingChainOfCustodyEventSequenceNumber	Global/Local	T.P.Neutral		
packagingChainOfCustodySourceCertifiedCode	Global/Local	T.P.Neutral		
packagingComponentDescription	Global/Local	T.P.Neutral	No	Yes
packagingCompositeMaterialDescription	Global/Local	T.P.Neutral	No	Yes
packagingConstituent	Global/Local	T.P.Neutral	No	Yes
packagingCubeUtilisationRatio	Global/Local	T.P.Neutral		
packagingDepth	Global/Local	T.P.Neutral	No	No
packagingFeatureCode	Global/Local	T.P.Neutral		
packagingFunctionCode	Global/Local	T.P.Neutral		
packagingGeneratedMaterialWaste	Global/Local	T.P.Neutral	No	No
packagingHeight	Global/Local	T.P.Neutral	No	No
packagingLevel	Global/Local	T.P.Neutral		
packagingLevelTypeCode	Global/Local	T.P.Neutral		
packagingMarkedDietAllergenCode	Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
packagingMarkedFreeFromCode	Local	T.P.Neutral		
packagingMarkedLabelAccreditationCode	Global/Local	T.P.Neutral		
packagingMarkedLanguageCode	Global/Local	T.P.Neutral		
packagingMarkedRecyclableScheme	Local	T.P.Neutral		
packagingMaterialAppliedProcessCode	Global/Local	T.P.Neutral		
packagingMaterialCoatingTypeDescription	Global/Local	T.P.Neutral	Yes	Yes
packagingMaterialCompositionQuantity	Global/Local	T.P.Neutral	No	Yes
packagingMaterialDescription	Global/Local	T.P.Neutral	No	Yes
packagingMaterialLaunchDateTime	Global/Local	T.P.Neutral		
packagingMaterialPerformanceCode	Global/Local	T.P.Neutral		
packagingMaterialThickness	Global/Local	T.P.Neutral	No	No
packagingMaterialTypeCode	Global/Local	T.P.Neutral		
packagingOwnerIdentification	Global/Local	T.P.Neutral		
packagingOwnerName	Global/Local	T.P.Neutral		
packagingRecoveryRate	Global/Local	T.P.Neutral		
packagingRecoveryRateDescription	Global/Local	T.P.Neutral	No	Yes
packagingRecoveryRateTypeCode	Global/Local	T.P.Neutral		
packagingRecycledContentDescription	Global/Local	T.P.Neutral	No	Yes
packagingRecycledContentRatio	Global/Local	T.P.Neutral		
packagingRecycledContentTypeCode	Global/Local	T.P.Neutral		
packagingRecyclingProcessTypeCode	Global/Local	T.P.Neutral		
packagingRecyclingSchemeCode	Global/Local	T.P.Neutral		
packagingRefundObligationName	Global/Local	T.P.Neutral		
packagingRefuseObligationName	Global/Local	T.P.Neutral		
packagingRenewableContentDescription	Global/Local	T.P.Neutral	No	Yes
packagingRenewableContentRatio	Global/Local	T.P.Neutral		
packagingRenewableContentTypeCode	Global/Local	T.P.Neutral		
packagingReusabilityStandardCode	Global/Local	T.P.Neutral		
packagingReusabilityStandardDescription	Global/Local	T.P.Neutral	No	Yes
packagingReuseRate	Global/Local	T.P.Neutral		
packagingShapeCode	Global/Local	T.P.Neutral		
packagingSustainabilityFeatureCode	Global/Local	T.P.Neutral		
packagingTermsAndConditionsCode	Global	T.P.Neutral		
packagingToTradeItemWeightRatio	Global/Local	T.P.Neutral		
packagingTypeCode	Global	T.P.Neutral		
packagingTypeDescription	Global	T.P.Neutral	No	Yes
packagingWeight	Global/Local	T.P.Neutral	No	No
packagingWeightPerConsumerUse	Global/Local	T.P.Neutral	No	No
packagingWeightReduction	Global/Local	T.P.Neutral	No	No

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
packagingWeightReductionProtocolName	Global/Local	T.P.Neutral	No	Yes
packagingWidth	Global/Local	T.P.Neutral	No	No
partyRole	Global/Local	T.P.Neutral		
paymentMethodCode	Global/Local	T.P.Neutral & T.P.Dependent		
paymentTermsTypeCode	Global/Local	T.P.Neutral & T.P.Dependent		
payPerViewWindow	Global/Local	T.P.Neutral		
pegHoleNumber	Global/Local	T.P.Neutral		
pegHoleTypeCode	Global/Local	T.P.Neutral		
pegHorizontal	Global/Local	T.P.Neutral	No	No
pegVertical	Global/Local	T.P.Neutral	No	No
percentageOfAlcoholByVolume	Global/Local	T.P.Neutral		
permitEndDateTime	Global/Local	T.P.Neutral		
permitStartDateTime	Global/Local	T.P.Neutral		
personName	Global/Local	T.P.Neutral		
personNameInverted	Global/Local	T.P.Neutral		
physicalFormDescription	Global	T.P.Neutral	No	No
physicalResourceTypeCode	Global/Local	T.P.Neutral		
physicalResourceUsage	Global/Local	T.P.Neutral	No	No
physicalResourceUsageAgencyCodeReference	Global/Local	T.P.Neutral		
physicalResourceUsageClassificationCodeReference	Global/Local	T.P.Neutral		
physicalResourceUsageMeasurementBasis	Global/Local	T.P.Neutral	No	No
physicalResourceUsageMeasurementTypeCode	Global/Local	T.P.Neutral		
physicalResourceUsageSubclassificationCodeReference	Global/Local	T.P.Neutral		
physicalStateCode	Global/Local	T.P.Neutral		
physiochemicalCharacteristicCode	Global/Local	T.P.Neutral		
physiochemicalCharacteristicValue	Global/Local	T.P.Neutral	No	Yes
pipeScheduleIdentification	Global/Local	T.P.Neutral		
platformTermsAndConditionsCode	Global/Local	T.P.Neutral		
platformTypeCode	Global/Local	T.P.Neutral		
plumbingControlTypeCode	Global/Local	T.P.Neutral		
plumbingHVACConnectionAgencyCode	Global/Local	T.P.Neutral		
plumbingHVACConnectionCode	Global/Local	T.P.Neutral		
plumbingHVACConnectionTypeCode	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
postConsumerRecycledContentPercentage	Global/Local	T.P.Neutral		
precautionaryStatementsCode	Global/Local	T.P.Neutral		
precautionaryStatementsDescription	Global/Local	T.P.Neutral	No	Yes
prefixToKey	Global/Local	T.P.Neutral		
preliminaryItemStatusCode	Global/Local	T.P.Neutral		
preparationConsumptionPrecautions	Global/Local	T.P.Neutral	No	Yes
preparationInstructions	Global/Local	T.P.Neutral	No	Yes
preparationStateCode	Global/Local	T.P.Neutral		
prescriptionTypeCode	Global/Local	T.P.Neutral		
preservationTechniqueCode	Global/Local	T.P.Neutral		
previousPackagingWeight	Global/Local	T.P.Neutral	No	No
priceBasisQuantity	Global/Local	T.P.Neutral	No	No
priceByMeasureTypeCode	Global/Local	T.P.Neutral & T.P.Dependent		
priceComparisonContentTypeCode	Global/Local	T.P.Neutral		
priceComparisonMeasurement	Global/Local	T.P.Neutral	No	Yes
priceEffectiveEndDate	Global/Local	T.P.Neutral		
priceEffectiveStartDate	Global/Local	T.P.Neutral		
productActivityRegionDescription	Global/Local	T.P.Neutral	Yes	Yes
productActivityRegionZoneCodeReference	Global/Local	T.P.Neutral		
productActivityTypeCode	Global/Local	T.P.Neutral		
productCharacteristicCode	Global/Local	T.P.Neutral		
productCharacteristicValueAmount	Global/Local	T.P.Neutral	No	Yes
productCharacteristicValueCode	Global/Local	T.P.Neutral		
productCharacteristicValueDateTime	Global/Local	T.P.Neutral		
productCharacteristicValueDescription	Global/Local	T.P.Neutral	No	Yes
productCharacteristicValueInteger	Global/Local	T.P.Neutral		
productCharacteristicValueMeasurement	Global/Local	T.P.Neutral	No	Yes
productCharacteristicValueNumeric	Global/Local	T.P.Neutral		
productCharacteristicValueString	Global/Local	T.P.Neutral		
productionVariantDescription	Global/Local	T.P.Neutral	No	No
productionVariantEffectiveDateTime	Global/Local	T.P.Neutral		
productRange	Global	T.P.Neutral		
productYield	Global/Local	T.P.Neutral	No	No
productYieldTypeCode	Global/Local	T.P.Neutral		
productYieldVariationPercentage	Global/Local	T.P.Neutral		
professionalAffiliation	Global/Local	T.P.Neutral		
prohibitedForTransportationReason	Global/Local	T.P.Neutral	Yes	Yes

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
promotionTypeCode	Global/Local	T.P.Neutral		
proofOfOptimizedPackagingWeightStandardCode	Global/Local	T.P.Neutral		
proofOfOptimizedPackagingWeightStandardDescription	Global/Local	T.P.Neutral	No	Yes
propertyAmount	Global	T.P.Neutral	No	No
propertyCode	Global	T.P.Neutral		
propertyDateTime	Global	T.P.Neutral		
propertyDescription	Global	T.P.Neutral	No	No
propertyFloat	Global	T.P.Neutral		
propertyInteger	Global	T.P.Neutral		
propertyMeasurement	Global	T.P.Neutral	No	No
propertyString	Global	T.P.Neutral		
protectiveEquipment	Global/Local	T.P.Neutral	No	Yes
protectiveEquipmentAdditionalDescription	Global/Local	T.P.Neutral	No	Yes
protectiveEquipmentBodyAreaCode	Global/Local	T.P.Neutral		
protectiveEquipmentStatusCode	Global/Local	T.P.Neutral		
provenanceStatement	Global/Local	T.P.Neutral	Yes	Yes
proximoCutOffDay	Global/Local	T.P.Neutral & T.P.Dependent		
psychotropicSubstance	Global/Local	T.P.Neutral		
publicationDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
publicationDateTypeCode	Global/Local	T.P.Neutral		
publicationDescriptionTypeCode	Global/Local	T.P.Neutral		
publicationLocation	Global/Local	T.P.Neutral & T.P.Dependent		
publisherName	Global/Local	T.P.Neutral		
publishingRoleCode	Global/Local	T.P.Neutral		
publishingStatusCode	Global/Local	T.P.Neutral		
quantityContained	Global/Local	T.P.Neutral	No	Yes
quantityOfBatteriesBuiltIn	Global/Local	T.P.Neutral		
quantityOfBatteriesRequired	Global/Local	T.P.Neutral		
quantityOfChildren	Global	T.P.Neutral		
quantityOfCompleteLayersContainedInATradeItem	Global	T.P.Neutral		
quantityOfFunctionalBasisUnit	Global/Local	T.P.Neutral	No	No
quantityOfInnerPack	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
quantityOfLayersPerPallet	Global/Local	T.P.Neutral		
quantityOfNextLevelTradeItemWithinInnerPack	Global	T.P.Neutral		
quantityofNextLowerLevelTradeItem	Global	T.P.Neutral		
quantityOfTradeItemsContainedInACompleteLayer	Global	T.P.Neutral		
quantityOfTradeItemsPerPallet	Global/Local	T.P.Neutral		
quantityOfTradeItemsPerPalletLayer	Global/Local	T.P.Neutral		
rankBelowSpecies	Global	T.P.Neutral		
ratingContentDescriptorCode	Global/Local	T.P.Neutral		
rawMaterialIrradiatedCode	Global/Local	T.P.Neutral		
rawMaterialUsedInPreparationWeight	Global/Local	T.P.Neutral	No	No
rEACHChemicalProductUseDescriptorCode	Local	T.P.Neutral		
reachChemicalRegistrationNumber	Local	T.P.Neutral		
rEACHEnvironmentReleaseUseCategoryCode	Local	T.P.Neutral		
rEACHProcessUseDescriptorCode	Local	T.P.Neutral		
rEACHSectorUseDescriptorCode	Local	T.P.Neutral		
recommendedConsumerPickupAreaCode	Global/Local	T.P.Neutral		
referencedFileTypeCode	Global/Local	T.P.Neutral		
referencedTradeItemTypeCode	Global/Local	T.P.Neutral & T.P.Dependent		
registrationAgency	Global/Local	T.P.Neutral		
registrationEndDateTime	Global/Local	T.P.Neutral		
registrationNumber	Global/Local	T.P.Neutral		
regulatedChemicalDescription	Global/Local	T.P.Neutral	No	Yes
regulatedChemicalIdentifierCodeReference	Global/Local	T.P.Neutral		
regulatedChemicalName	Global/Local	T.P.Neutral		
regulatedChemicalSunsetDateTime	Global/Local	T.P.Neutral		
regulatedProductName	Global/Local	T.P.Neutral	Yes	Yes
regulationTypeCode	Global/Local	T.P.Neutral		
regulatoryAct	Global/Local	T.P.Neutral		
regulatoryAgency	Global/Local	T.P.Neutral		
regulatoryPermitIdentification	Global/Local	T.P.Neutral		
relevantSupportingSubstanceHazardousDocumentation	Global/Local	T.P.Neutral	No	Yes
remoteControlTypeCode	Global/Local	T.P.Neutral		
renewablePlantBasedPlasticComponentsPercent	Global	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
rennetTypeCode	Global/Local	T.P.Neutral		
reportableQuantityTechnicalName	Global/Local	T.P.Neutral		
requiredHardwarePerformance	Global/Local	T.P.Neutral	No	No
requiredStorageCapacity	Global/Local	T.P.Neutral	No	No
requiredSystemMemoryCapacity	Global/Local	T.P.Neutral	No	No
requiredVideoMemoryCapacity	Global/Local	T.P.Neutral	No	No
restOfWorldSalesRightsType	Global/Local	T.P.Neutral		
restrictionDescription	Global/Local	T.P.Neutral	No	Yes
returnableAssetCapacityContent	Global/Local	T.P.Neutral	No	Yes
returnableAssetOwnerId	Global/Local	T.P.Neutral		
returnableAssetOwnerName	Global/Local	T.P.Neutral		
returnableAssetsContainedQuantity	Global/Local	T.P.Neutral	No	Yes
returnablePackageDepositAmount	Global/Local	T.P.Neutral	No	No
returnablePackageDepositIdentification	Global/Local	T.P.Neutral		
returnablePackageDepositRegion	Global/Local	T.P.Neutral		
returnGoodsPolicyCode	Global/Local	T.P.Neutral & T.P.Dependent		
reuseInstructions	Global/Local	T.P.Neutral	No	No
ripeningTimePeriod	Global/Local	T.P.Neutral	No	No
riskPhraseCode	Global/Local	T.P.Neutral		
rOHSComplianceFailureMaterial	Local	T.P.Neutral		
routeOfAdministration	Global/Local	T.P.Neutral		
routeOfExposureCode	Global/Local	T.P.Neutral		
runModeCode	Global	T.P.Neutral		
runTimeMinutes	Global/Local	T.P.Neutral		
safetyPhraseCode	Global/Local	T.P.Neutral		
salesRightsTypeCode	Global/Local	T.P.Neutral		
salesTerritory	Global/Local	T.P.Neutral		
screenRefreshRate	Global/Local	T.P.Neutral		
sDSSheetNumber	Global	T.P.Neutral		
sDSStandardCode	Global/Local	T.P.Neutral		
sDSStandardVersion	Global/Local	T.P.Neutral		
seasonalAvailabilityEndDateTime	Local	T.P.Neutral		
seasonalAvailabilityStartDateTime	Local	T.P.Neutral		
seasonCalendarYear	Local	T.P.Neutral		
seasonName	Local	T.P.Neutral	Yes	Yes
seasonParameterCode	Local	T.P.Neutral		
securityTagLocationCode	Local	T.P.Neutral		
securityTagTypeCode	Local	T.P.Neutral		
sellingUnitOfMeasure	Global/Local	T.P.Neutral		
sequenceNumber	Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
serialNumberLocationCode	Global	T.P.Neutral		
servingSize	Global/Local	T.P.Neutral	No	No
servingSizeDescription	Global/Local	T.P.Neutral	No	Yes
servingSuggestion	Global/Local	T.P.Neutral	No	Yes
sheetName	Global/Local	T.P.Neutral		
shippingContainerQuantityDescription	Global/Local	T.P.Neutral	Yes	Yes
shippingQuantityMinimum	Global/Local	T.P.Neutral & T.P.Dependent		
shippingRegulationException	Global/Local	T.P.Neutral	No	Yes
shortSynopsis	Global/Local	T.P.Neutral	No	No
signalProcessingTypeCode	Global/Local	T.P.Neutral		
sizeCode	Global	T.P.Neutral		
sizeDimension	Global	T.P.Neutral	No	No
sizeGroupCode	Global	T.P.Neutral		
sizeSystemCode	Global	T.P.Neutral		
sizeTypeCode	Global	T.P.Neutral		
sleeveType	Global/Local	T.P.Neutral	No	No
sourceAnimalCode	Global/Local	T.P.Neutral		
sourceCertificationSystemProtocolCode	Global/Local	T.P.Neutral		
sourceCertificationSystemProtocolDescription	Global/Local	T.P.Neutral	No	Yes
sourceName	Global/Local	T.P.Neutral		
specialFeatures	Global/Local	T.P.Neutral	Yes	Yes
specialItemCode	Global/Local	T.P.Neutral		
specialPermitOrExemptionIdentification	Global/Local	T.P.Neutral		
specialRequirementsDescription	Global/Local	T.P.Neutral	No	Yes
species	Global	T.P.Neutral		
specificGravity	Global	T.P.Neutral		
specificGravityReferenceMaterialCode	Global	T.P.Neutral		
stackingFactor	Global	T.P.Neutral		
stackingFactorTypeCode	Global	T.P.Neutral		
stackingWeightMaximum	Global/Local	T.P.Neutral	No	No
standardTypeHangerAgencyCode	Global/Local	T.P.Neutral		
startAvailabilityDateTime	Global/Local	T.P.Neutral & T.P.Dependent		
startDateMaximumBuyingQuantity	Global/Local	T.P.Neutral & T.P.Dependent		
startDateMinimumBuyingQuantity	Global/Local	T.P.Neutral & T.P.Dependent		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
staticContrastRatio	Global/Local	T.P.Neutral		
statisticalReportingMeasurement	Global/Local	T.P.Neutral	No	No
storageCompatibilityAgency	Global/Local	T.P.Neutral		
storageCompatibilityCode	Global/Local	T.P.Neutral		
storageCompatibilityDescription	Global/Local	T.P.Neutral	No	Yes
storageRequirementsDescription	Global/Local	T.P.Neutral	No	Yes
studioName	Global/Local	T.P.Neutral		
styleDescription	Global/Local	T.P.Neutral	No	No
subBrand	Global	T.P.Neutral		
subjectCode	Global/Local	T.P.Neutral		
subjectHeadingText	Global/Local	T.P.Neutral		
subjectSchemeIdentifierCode	Global/Local	T.P.Neutral		
subjectSchemeName	Global/Local	T.P.Neutral		
subjectSchemeVersion	Global/Local	T.P.Neutral		
subTitle	Global/Local	T.P.Neutral		
subtitledLanguageCode	Global/Local	T.P.Neutral		
suffixToKey	Global/Local	T.P.Neutral		
suggestedConsumerPack	Global/Local	T.P.Neutral		
suggestedRetailPrice	Global/Local	T.P.Neutral	No	No
supplierSpecifiedMinimumConsumerStorageDays	Global/Local	T.P.Neutral		
supportedHDMIFeatureCode	Global/Local	T.P.Neutral		
surfaceOfCheeseAtEndOfRipeningCode	Global/Local	T.P.Neutral		
surroundSoundDigitalDecoderTypeCode	Global/Local	T.P.Neutral		
systemRequirementsQualifierCode	Global/Local	T.P.Neutral		
targetAudience	Global/Local	T.P.Neutral	No	No
targetConsumerAge	Local	T.P.Neutral	No	No
targetConsumerGender	Local	T.P.Neutral		
targetMarketCountryCode	Global	T.P.Neutral		
targetMarketSubdivisionCode	Global	T.P.Neutral		
technicalChemicalName	Global/Local	T.P.Neutral		
televisionInformationServiceTypeCode	Global/Local	T.P.Neutral		
televisionTextMemoryPageQuantity	Global/Local	T.P.Neutral		
temperatureTypeQualifierCode	Global/Local	T.P.Neutral		
testCriteriaDescription	Global/Local	T.P.Neutral	No	Yes
testSpeciesCode	Global/Local	T.P.Neutral		
testSpeciesDescription	Global/Local	T.P.Neutral	No	Yes
textAuthor	Global/Local	T.P.Neutral		
threadTypeCode	Global/Local	T.P.Neutral		
titleElementLevel	Global/Local	T.P.Neutral		
titlePrefixType	Global/Local	T.P.Neutral		
titleRatingCodeReference	Global/Local	T.P.Neutral		

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
titlesAfterNames	Global/Local	T.P.Neutral		
titlesBeforeNames	Global/Local	T.P.Neutral		
titleText	Global/Local	T.P.Neutral		
titleTypeCode	Global/Local	T.P.Neutral		
titleWithoutPrefix	Global/Local	T.P.Neutral		
toLanguage	Global/Local	T.P.Neutral		
totalAudioPowerOutput	Global/Local	T.P.Neutral	No	No
totalNumberOfComponents	Global/Local	T.P.Neutral		
totalPackagingEconomicCostAmount	Global/Local	T.P.Neutral	No	Yes
totalPackagingEconomicCostAmountBasis	Global/Local	T.P.Neutral	No	No
totalPackagingEconomicCostMeasurementCode	Global/Local	T.P.Neutral		
totalPackagingEconomicCostMeasurementDescription	Global/Local	T.P.Neutral	No	Yes
totalPackagingRecoveryRate	Global/Local	T.P.Neutral		
totalQuantityOfNextLowerLevelTradeItem	Global	T.P.Neutral		
totalRecyclableContentPercentage	Global/Local	T.P.Neutral		
totalScreenArea	Global/Local	T.P.Neutral	No	Yes
toxicityMeasurement	Global/Local	T.P.Neutral	No	No
toxicityMeasurementProtocolCode	Global/Local	T.P.Neutral		
toxicityMeasurementProtocolDescription	Global/Local	T.P.Neutral	No	Yes
toxicityReferenceSubstanceCode	Global/Local	T.P.Neutral		
toxicityReferenceSubstanceDescription	Global/Local	T.P.Neutral	No	Yes
toxicologicalInformationDescription	Global/Local	T.P.Neutral	No	Yes
trackNumber	Global/Local	T.P.Neutral		
trackTime	Global/Local	T.P.Neutral		
trackTitle	Global/Local	T.P.Neutral	No	No
tradeItemCompositionDepth	Global	T.P.Neutral	No	No
tradeItemCompositionWidth	Global	T.P.Neutral	No	No
tradeItemConditionCode	Global/Local	T.P.Neutral		
tradeItemDateOnPackagingFormatName	Global/Local	T.P.Neutral		
tradeItemDateOnPackagingFormatTypeCode	Global/Local	T.P.Neutral		
tradeItemDateOnPackagingLocation	Global/Local	T.P.Neutral		
tradeItemDateOnPackagingTypeCode	Global/Local	T.P.Neutral		
tradeItemDescription	Global	T.P.Neutral	Yes	Yes
tradeItemFeatureBenefit	Global	T.P.Neutral	Yes	Yes
tradeItemFeatureCodeReference	Global	T.P.Neutral		
tradeItemFinishDescription	Global	T.P.Neutral	No	No

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
tradeItemFormDescription	Global	T.P.Neutral	Yes	Yes
tradeItemGroupIdentificationCodeReference	Global	T.P.Neutral		
tradeItemIncludedAccessories	Global/Local	T.P.Neutral	No	No
tradeItemMarketingMessage	Global/Local	T.P.Neutral	No	No
tradeItemOperatingEnvironment	Global/Local	T.P.Neutral		
tradeItemPrice	Global/Local	T.P.Neutral & T.P.Dependent	Yes	No
tradeItemPriceTypeCode	Global/Local	T.P.Neutral & T.P.Dependent		
tradeItemSustainabilityFeatureCode	Global/Local	T.P.Neutral		
tradeItemTemperatureConditionTypeCode	Global/Local	T.P.Neutral		
tradeItemTradeChannelCode	Global/Local	T.P.Neutral & T.P.Dependent		
tradeItemUnitDescriptorCode	Global	T.P.Neutral		
tradeItemVariantTypeCode	Global	T.P.Neutral		
tradeItemVariantValue	Global	T.P.Neutral		
transportationMaximumQuantity	Global/Local	T.P.Neutral	No	No
transportationModeCode	Global/Local	T.P.Neutral		
transportationModeRegulatoryAgency	Global/Local	T.P.Neutral		
tunerTypeCode	Global/Local	T.P.Neutral		
uniformResourceIdentifier	Global/Local	T.P.Neutral		
unitedNationsDangerousGoodsNumber	Global	T.P.Neutral		
unitsPerTradeItem	Global/Local	T.P.Neutral	No	Yes
unnamedPersons	Global/Local	T.P.Neutral		
upperExplosiveLimit	Global	T.P.Neutral		
usableProductVolume	Global	T.P.Neutral	No	No
variableTradeItemTypeCode	Global/Local	T.P.Neutral		
variableWeightAllowableDeviationPercentage	Global/Local	T.P.Neutral		
variableWeightRangeMaximum	Global/Local	T.P.Neutral	No	No
variableWeightRangeMinimum	Global/Local	T.P.Neutral	No	No
variantDescription	Global	T.P.Neutral	Yes	Yes
verticalViewingAngle	Global/Local	T.P.Neutral		
vESAWallMountTypeCode	Global/Local	T.P.Neutral		
vintner	Global	T.P.Neutral		
visualMediaColourCode	Global/Local	T.P.Neutral		
volatileOrganicCompound	Global	T.P.Neutral	No	No
volatileOrganicCompoundBasis	Global	T.P.Neutral	No	No

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Attribute Name	Target Market Applicability	Trading Partner Neutral status	Multiple Values (Grey = N/A)	Multi Language/ Measurement/ Currency
volatileOrganicCompoundPercent	Global	T.P.Neutral		
warningCopyDescription	Global/Local	T.P.Neutral	Yes	Yes
warrantyConstraint	Global/Local	T.P.Neutral		
warrantyDescription	Global/Local	T.P.Neutral	No	Yes
warrantyDuration	Global/Local	T.P.Neutral	No	No
warrantyEffectiveDateType	Global/Local	T.P.Neutral		
warrantyType	Global/Local	T.P.Neutral		
wasteAmount	Global/Local	T.P.Neutral	Yes	Yes
wasteDirectiveApplianceType	Global/Local	T.P.Neutral		
wasteDirectiveName	Global/Local	T.P.Neutral		
wasteDirectiveRegistrationNumber	Global/Local	T.P.Neutral		
waterHazardCode	Global/Local	T.P.Neutral		
waterSolubilityTypeCode	Global/Local	T.P.Neutral		
width	Global/Local	T.P.Neutral	No	No
workingPressureRatingClassCode	Global/Local	T.P.Neutral		
workingPressureRatingMaximum	Global/Local	T.P.Neutral	No	Yes
workingPressureRatingMinimum	Global/Local	T.P.Neutral	No	Yes
yearOfAnnual	Global/Local	T.P.Neutral		
yearOfProduction	Global/Local	T.P.Neutral		

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7.2. Trade Item Unit Descriptor Code Usage

TradeItemUnitDescriptorCode	Description	Parents	Parents Instance	Children	Children Instance
Transport Load (TL)	A logistical unit which, when ordered, can provide a standard quanity of trade items from any other hierarchy level. This level can be used to define truckloads, shipping containers, rail cars, ships, and etc. This level can contain a single GTIN or multiple GTINs.	TL	Multiple	TL, MX, PL, DS, CA, PK, EA	Single/ Multiple
(MX) Mixed Module	A unit load that contains several unique GTINs OR a “display ready pallet” that may contain a single GTIN or several unique GTINs that is intended to go directly to the selling floor. Includes box pallet	TL	Multiple	DS, CA, PK, EA	Single/Multiple
Pallet (PL)	A unit load that contains a single GTIN that is not display ready. Includes box pallet	TL	Multiple	DS, CA, PK, EA	Single/ Multiple
(DS) Display/ Shipper	A shipping unit that is a display (can contain a single instance of a GTIN or contains more than one unique instance of a GTIN) OR a case that contains more than one unique instance of a GTIN. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet and prepack	TL, MX, PL, DS, CA	Single/ Multiple	DS, CA, PK , EA	Single/ Multiple
Case (CA)	A standard trade item shipping unit. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet	TL, PL, MX, DS CA	Multiple	DS, CA, PK, EA	Single/Multiple
Pack / Innerpack (PK)	May be a logistical unit between a case and each may or may not be bar-coded that contains a single instance of a GTIN OR a consumer unit that contains single instance of a lower level GTIN that is typically bar-coded	TL, MX, PL ,DS, CA, PK	Multiple	PK, EA	Single
Each (EA)	The lowest level of the item hierarchy intended or labelled for individual resale. Includes multi-pack	TL, PL, MX DS, CA, PK	Multiple	None	N/A

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7.3. Measurement Rules (Music and Film Publishing Industries)

CubiScan^{R} 30

The music and film publishing industries have a long history of utilizing a specific measurement orientation for CDs and DVDs. The method of measurement and orientation of these trade items has been incorporated into a measurement tool manufactured by Quantronix, Inc. The tool is called CubiScan^{R} 30. This tool has emerged as a standard for these industries and is consistent with the National Association of Recording Merchandisers (NARM) method of measurement.

In this measurement system, the dimensional measurements of CDs and DVDs are derived as follows:

The trade item is laid flat in the upper left corner of the CubiScan^{R} 30, with the spine along the left edge of the CubiScan^{R} 30, and the front of the CD or DVD facing up.

NARM Height = Thickness

NARM Length = Bottom left to bottom right

NARM Width = Top left to bottom left

The information providers are expected to populate the appropriate EAN.UCC dimensional attributes per the chart below. Standard measurements for CDs and DVDs:

CubiScan^{R} 30	GS1	CD	DVD
NARM Height	Depth	.25 in	.375 in
NARM Width	Height	4.75 in	5.375 in
NARM Length	Width	5.50 in	7.000 in

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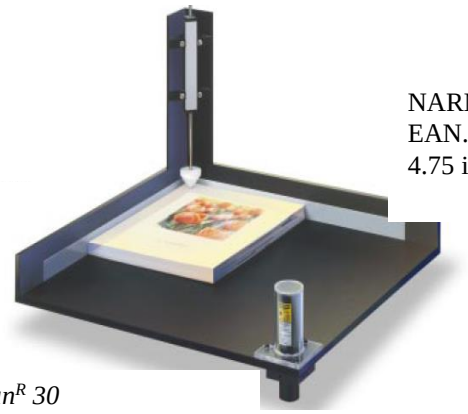
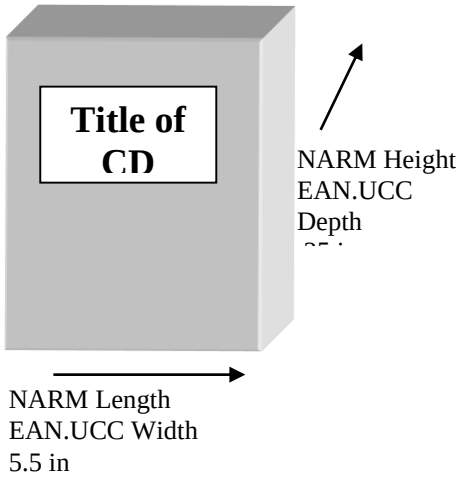
The illustrations below show how the product is oriented and measured:



CubiScan^{R} 30



Peg Hole Measurements

Please use the following method for populating peg hole information for those trade items for which the packaging has more than one peg hole (this example is for a package with two peg holes):

Attribute	Value
Peg Hole Number	1
Peg Horizontal and UOM	1 in
Peg Vertical and UOM	2 in
Peg Hole Number	2
Peg Horizontal and UOM	4 in
Peg Vertical and UOM	2 in

Horizontal measurement is from left edge to the centre of the hole

Vertical measurement is from the top to the centre of the hole

Note: While the GS1 standard was revised to identify that a package may have more than one peg hole, at this time it incorrectly prohibits multiple iterations of these attributes. A request has been submitted to Align Data to consider an errata revision to correct this in the published standard.

7.4. GTIN Allocation Rules for Ingredient and Allergen Information

Breaking down ingredient information and allergy statements

Not all suppliers are currently able to break down the ingredient declaration or the allergy statement. That is why ingredients can also be specified in the 'ingredientStatement' at-tribute and allergen statement in the 'allergenStatement' attribute.

The ingredient (and allergen) split however is needed:

To enable structured searches

To enable specification of related information per ingredient, such as the content percentage and country of origin.

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Production variant, GTIN allocation rules and minor ingredient changes

The GTIN Allocation rules state (http://www.gs1.org/gtinrules/) that:

The following changes warrant the allocation of a new GTIN:

1. Formulation change where the consumer is expected to distinguish the new from the old product and order accordingly.
2. Where regulations or other requirements dictate the ability to distinguish the old formulation from the new, e.g. healthcare
3. Where the changes alter the fundamental consumer benefit, e.g. new flavour, aroma, etc
4. Changes that result in a different description (declaration to the consumer)

The following changes do not warrant the allocation of a new GTIN:

5. Minor formulation or characteristic changes that will replace the existing trade item and does not involve any change in the declaration to the consumer (e.g. is not covered by legislation). Examples include: changes for cost reduction reasons without changing the trade item characteristics (e.g. taste, viscosity, minor ingredients change, etc.); changes to the button colour used on fashion items, etc
6. Changes to ingredients as a result of seasonal variations, e.g. yoghurt with seasonal fruit, where the actual fruits within are dependent on the season

   The theory of changing a GTIN for every change in product formulation is sound and logical. However it must be remembered that changing a GTIN also requires a change to packaging with subsequent design/packaging and write off consequences. Many formulation changes might not actually require a change to packaging design other than to change the barcode. For instance one might change the technical specification of an ingredient such that the product might now exceed or fail a current allergen claim. This would require a change to a products declaration through GDS but not to packaging. A manufacturer will need to decide whether such a change warrants a change to GTIN with its subsequent costs.

   The buyer of a particular product will also need to be able to manage changes of GTINs through their systems carefully. Buyers (in a GDS sense) rightly or wrongly do not like changes to GTINS and tend to treat them all as new listings with subsequent costs and the hassles of introducing the product and changing many systems to accommodate.

   The best practice is to use the best before date of a product to distinguish between different variants of the same product. If manufacturers get calls from consumers about allergens etc and manufacturers know that they have multiple variants then they have to ask the consumer to tell the best before date on the consumer unit as well as the GTIN.

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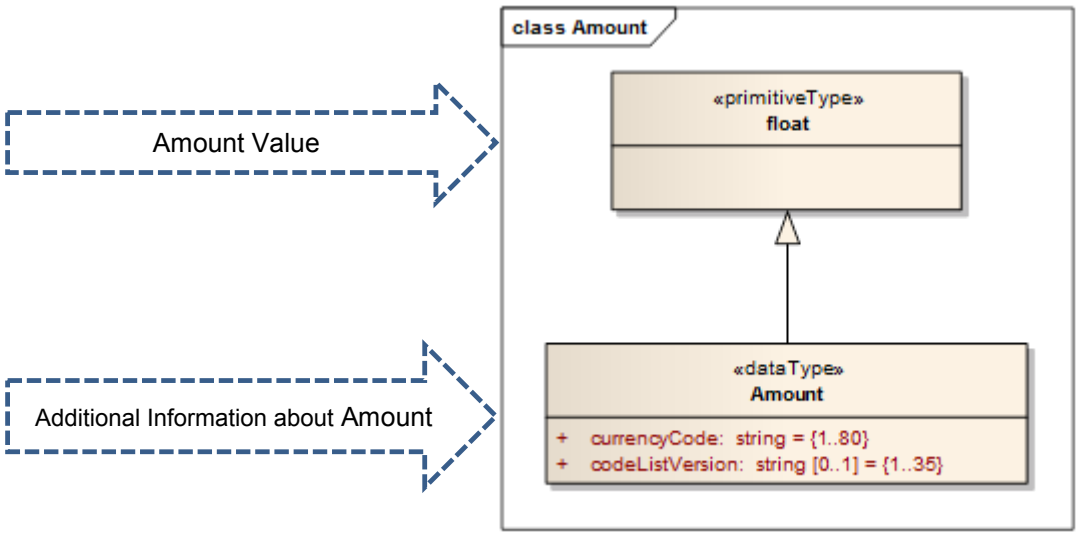
8. Appendices

8.1. Understanding Data Type Class Diagrams

To reduce nesting in XML Schemas, all code and compound data types (e.g. description, measurement, amount) in 3.x are designed to inherit the value for the data type (e.g Amount Value, Description Text). In other words, the class diagrams do not specifically identify the value as a distinct attribute as before.



In XML representation, an amount would look like this:

<dutyFeeTaxBasisAmount currencyCode="EUR">500</dutyFeeTaxBasisAmount>

In the example, 500 represents the value for the dutyFeeTaxBasisAmount.

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9. Summary of Changes

Change	BMS Doc Version	Associated CR Number
Updated for Peer review: • Updated class diagram for HealthBenefitInformationModule. • GDD: Changed name of attribute healthClaim to healthClaimCode • GDD: Changed datatype of attribute healthClaimCode from Description5000 to codelist HealthClaimCode. • Added section in codelists chapter to represent Health Claim Code. • GDD: changed cardinality of attribute farmingCountryCode from [0..*] to [0..1] (BRAD FB07 item2) • Codelist Title Rating Entity Code (5.107 in TI Library doc) said TradeChannelcode as name of GS1 Code List • TI Library has as title of 5.113 Trade Item Maturation Method Code, the field GS1 code list wrongly said TradeItemMaturationCode (without the method) on p390 • GDD: Updated definition of attribute brandDistributionTypeCode to "Any restrictions imposed on the Trade Item on how it can be sold to the consumer or recipient trading partner." (BRAD I13) • Codelistsection: updated field GS1 codelist from TradeChannel to TitleRatingEntityCode • GDD: Updated cardinality of distributionMediaTypeCode from 0..1 to 0..* (BRAD MG04) • GDD: Updated definition of attribute doesTradeItemLabelReferenceLatex • Section 5.52 has correct header for codelist Packaging Marked Label Accreditation Code, updated the field GS1 Code List from "PackagingMarksLabelAccreditationCode" • Section 5.100 Sustainability Feature Code had in field GS1 Code List the value "TaxCategoryCode" • Section 5.34 Display type Code had in field GS1 Code List the value "foodBeverageCompositionDatabaseCode" • Added Consumer Usage Storage Instructions to Trade Item Handling Module • Moved code data types to modules which use them. • Created Durable Goods Characteristics Module including tradeItemFinish. • Moved percentageOfAlcoholByVolume to Alcoholic Beverage Information Module. • Restructured TradeItemInformation to better associate context to the trade item and trade item component. • Added AVP to Nutritional Information Module to align with Trusted Source of Data. • Restructured Brand Information to align with Trusted Source of Data.	0.0.3	
• Added in healthClaimDescription. • Reverted isPackagingMarkedWithIngredients back to Boolean. • Changed Cardinality of UsableProductVolume to 0..1 to match 2.8.	0.0.4	

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Change	BMS Doc Version	Associated CR Number
• Changed name of TradeItemBatteryInformationModule to BatteryInformationModule • Changed name of HealthSafetyPackagingMarkingModule to HealthWellnessPackagingMarkingModule • Added colour to Trade Item Description Module and deleted Trade Item Colour Module. • Changed name of TradeItemPhysicalResourceUsageModule to PhysicalResourceUsageModule • Changed ratingContentDescriptor to data type of code. • Changed titleRatingCode to data type of code. Deleted titleRatingCodeAgency since this is contained in Code data type. • Moved DistributionMethodCode to GDSN Common. • Renamed PrizeModule to AwardPrizeModule. • Added Colour class to TradeItemDescriptionModule. Eliminated TradeItemColourModule. • Added Platform Module and removed platform related attributes from Packaging Module • Moved doesTradeItemLabelReferenceLatex from HealthWellnessPackagingMarking to HealthBenefitInformation. Renamed attribute to doesTradeItemCompositionIncludeLatex • Changed code in import classification code list to FEACNR. • Moved PackagingMaterial, PackageDeposit, HazardousMaterialHeader and ReturnableAsset to GDSN Common. • Changed name of TradeItemHazardousInformationModule to Hazardous Information Module. • Changed name of Trade Item Duty Fee Tax Information Module to Duty Fee Tax Information Module • Changed name of Trade Item Certification Module to Certification Information Module • Changed name of Prize Module to AwardPrizeModule. • Changed name of Trade Item Regulatory Information Module to Regulated Trade Item Module. • Added placeOfProvenance to PlaceOfItemActivityModule class.Added ApplicableAllowanceCharge, ApplicablePaymentTerms to SalesConditionsInformationModule. • Changed name of Trade Item Sustainability Module to Sustainability Module.		
• Changed discountDescription to 0..* • Changed tradeItemFormDescription to 0..* • Changed surroundSoundDigitalDecoderTypeCode to 0..* • Removed ReturnableAsset and PackageDepositClasses from PlatformInformation Module based on user comment. • Changed data type PhysicalStateCode to PhaseOfMatterCode. Replaced ChemicalPhysicalStateCode with PhaseOfMatterCode. Added PhaseOfMatterCode to common.	1.0.0	

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Change	BMS Doc Version	Associated CR Number
• Changed DangerousSubstancePhaseOfMatterCode with PhaseOfMatterCode in common. • Changed data type of CombFilterTechnologyTypeCode from code to CombFilterTechnologyTypeCode. • Changed name of class Flashpoint to FlashPoint • Fixed typos and redundant class diagrams. • Deleted TemperatureTypeCode and added TemperatureQualifierCode to GDSN Common. • Added OrientationTypeCode • Moved TradeItemDimensions to GDSN Common. • Changed WarrantyEffectiveDateTypeCode and WarrantyTypeCode to data types of string. Changed names to WarrantyEffectiveDateType and WarrantyType. • Added in Code Lists for TestSpeciesCode, HealthcareTradeItemReusabilityTypeCode, MRICompatibilityCode and SterilisationTypeCode. • Removed ItemAuthorisationStatusCode from Common. Moved to Item Authorisation BMS. • Moved SustainabilityFeatureCode to GDSN Common. • Added code list for WaterSolubilityTypeCode. • Changed class name of TargetMarketCommunicationchannel to TargetMarketCommunicationChannel • Updated definition in GDD Report for gradeCode. • Fixed typo in ConfirmationStatusReasonCode in GDSN Common • Changed yearOfProduction data type to gYear. • Changed HealthCareTradeItemReusabilityInformation to HealthcareTradeItemReusabilityInformation (20-11-12) • Changed datatype for seasonName to Description70. (20-11-12) • Changed isTradeItemShippedInMultipleContainers to 0..1 (20-11-12) • Changed WarrantyEffectiveDateTypeCode and WarrantyTypeCode to 0..1 (20-11-12) • Changed flammableGasContainmentCode to flammableAerosolContainmentCode. (26-11-12) • Corrected spelling error in sDSheetNumber attribute. (26-11-12) • Changed data type of materialThreadCount to Description70 (29-11-12).		
• Updated for Major release call 22 January 2013: • Added at the end of the implementation consideration section the information pulled out of the FBT Context document, as all implementation considerations should be in this document.	1.0.1	
• Corrected spelling error on HOSPITAL_PRESCRIPTION_REQUIRED_FOR_FIRST_PRESCRIPTION • Deleted redundant FlammableAerosolContainmentCode code list.	1.0.2	

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Change	BMS Doc Version	Associated CR Number
• Corrected definition for CALORIES_PER_PORTION. • Moved netMassOfExplosives from HazardousInformationHeader to HazardousInformationDetail. • Changed association from TransporationClassification to RegulatedTransportationMode from 1..* to 0..* • Moved ReturnableAssetOwnerName and ReturnableAssetOwnerID from ReturnableAsset to Packaging. Changed names to reflect parent class.		
• Trade Item Lifespan: Moved doesTradeItemHaveAutoReaderTracker into Trade Item Lifespan class • Trade Item Lifespan:Added AVP • AdditionalTradeItemClassification:Changed name of attribute to additionalTradeitemClassificationSystemCode. • AdditionalTradeItemClassification: Changed cardinality of additionalTradeItemClassificationCode to 0..1 • AdditionalTradeItemClassification: Added Class AdditionTradeItemClassificationValue • AdditionalTradeItemClassification: Changed attribute data type to AddtionalTradeItemClassificationCodeListCode • AlcoholicBeverageInformationModule: Changed name to Alcohol Information Module • AlcoholInformationModule: Added AVP • AlcoholInformationModule: Changed DegreeOfOriginalWort to Decimal • AlcoholInformationModule: Changed percentageOfAlcoholByVolume to Decimal • Apparel Information: Made association from Apparel Information Module 0..1 • Apparel Information: Added AVP to Module Class • ApplicableAllowanceCharge: Changed allowanceChargeType to allowanceChargeTypeCode • ApplicableAllowanceCharge: AllowanceChargePercent changed to decimal • applicationIdentifierTypeCode: Made repeating • Audience OR Player Information: Changed association from Module Class to AudiienceOrPlayerInformation to 0..1 • Audience OR Player Information: Added AVP. • AudioVisualMediaContentInformation: Made association from Module class optional (0..*) • AudioVisualMediaContentInformation: Added AVP • AudioVisualMediaContentInformation Added isDigitalDownloadAvailable from AudiovisualMediaProductDescription. • AudioVisualMediaProductionInformationModule: Made Association to AudioVisualMediaProductionInformation 0..1 • AudioVisualMediaProductionInformationModule:Added AVP • AudioVisualMediaProductDescription: removed isDigitalDownloadAvailable	1.0.3	

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Change	BMS Doc Version	Associated CR Number
• AvailableDiscount:Changed discountPercent to decimal • AwardPrizeModule:Added Avp • AwardPrizeModule:Made association to Award Prize 0..* • Battery Details: Added AVP • Battery Information Module: Added AVP • CatalogeItem: Moved Sequence of CatalogueItemChildLink to end • CatalogueItemState: Changed CatalaogueItemState to CatalogueItemStateCode • Certification: Moved order of certification value to first in attribute sequence • CertificationInformation and Certification Classes: Added AVP . • ChemicalRegulationInformationModule:Made association to ChemicalRegulationInformation 0..1 • Common: Added TradeItemContextCode • Common: Added Country to GDSN Common • ComponentInformation: Made componentDescription repeating • ComponentInformation: Changed context data type to TradeItemContextCode' • ConsumerInstructionsModule: Created new ConsumerInstructionsModule • ControlledSubstanceInformation: Added AVP • ControlledSubstanceModule: Added AVP • CopyrightInformation: Added AVP • CopyrightInformation:Changed copyrightRate to decimal • CopyrightInformationModule: Made association to CopyrightInformation Optional • DairyFishMeatPoultryItemInformation: Made fatInMilkContent Decimal to ease implemetation • DairyFishMeatPoultryItemModule: Made Association To DairyFishMeatPoultryInformation Optional • DangerousGoodsHazardLabel: Changed Name to DangrousHazard Label, updated attribute names to reflect Class • DangerousGoodsHazardLabel:Moved Class to Common • DangerousSubstancesInformation: Added AVP • DangerousSubstancesProperties: Added AVP • DangerousSubstancesProperties: Changed flammableSubstanceMaxPercent to decimal • DangerousSubstancesProperties: Changed flammableSubstanceMinPercent to decimal • Data Carrier: Created GS1TradeItentificationKey Class • DeliveryPurchasingInformationModule: Added Avp • DeliveryPurchasingInformationModule:Made association to DeliveryPurchasingInformation 0..1 • DietInformation: Added AVP		

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Change	BMS Doc Version	Associated CR Number
• DietInformationModule: Made association to DietInformation optional (0..1) • DistributionDetails: orderingLeadTime made optional • DistributionMediaContentInformation: Added Avp • DurableGoodsCharacteristics: Added AVP • DurableGoodsCharacteristicsModule:Made association to DurableGoodsCharacteristics Optional (0..1) • DutyFeeTax: changed data type for avpList to GS1_AttributeValuePairList • DutyFeeTax: Changed data type for dutyFeeTaxRate to decimal from float • DutyFeeTaxInformation: changed data type for avpList to GS1_AttributeValuePairList • ElectronicDeviceCharacteristicsInformationModule: Added AVP • ExternalCodeValueInformation:Made externalAgencyName optional. • FarmingProcessing:Deleted TradeItemConditionCode • FarmingProcessingInformation: Changed Name to FarmingAndProcessingInformation • FarmingAndProcessingInformation:Moved to GDSN Common • FarmingProcessingInformation: Added sourceAnimalCode from ingredient class (changed name) • FarmingAndProcessingInformation: Added irradiatedCode from ingredient class (changed name) • FarmingAndProcessingInformation: Moved preservationTechniqueCode to GDSN Common • FarmingAndProcessingInformation: Moved maturationMethodCode to GDSN Common (changed name) • FarmingAndProcessingInformation: Moved growingMethodCode to GDSN Common • FarmingProcessingInformationModule: Added AVP • FishMeatPoultryContent: Changed fishMeatPoultryContentCode to fishMeatPoultryContentCodeReference • FoodAndBeverageIngredient: ingredientContentPercentage into a float • FoodandBeverageIngredient: Made IngredientSequence 0..1 • FoodandBeverageIngredient: Made IngredientName 0..1 • FoodAndBeverageIngredient: Added Association to PlaceOfProductActivity • FoodAndBeverageIngredient:Added Association to organicInformation • FoodAndBeverageIngredient: Named Association to PartyInRole • FoodAndBeverageIngredient: Added Association to FarmingAndProcessingInformation • FoodAndBeverageIngredient: Deleted SourceAnimalCode		

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Change	BMS Doc Version	Associated CR Number
• FoodAndBeverageIngredient: Deleted ingredientIrradiatedCode • FoodAndBeverageIngredient:Deleted Catchzone • FoodAndBeverageIngredient:Deleted ingredientCountryOfOrigin • FoodAndBeverageIngredient: Deleted ingredientGrowingMethodCode • FoodAndBeverageIngredient: Deleted ingredientCountryOfOriginCode • FoodAndBeverageIngredient: Deleted ingredientGeneticallyModifiedDeclarationCode • FoodAndBeverageIngredient: Moved rawMaterialUsedInPreparationWeight to FarmingAndProcessingInformation Module • FoodandBeverageIngredientModule:Changed JuiceContentPercentage to a float. • FoodAndBeveragePreparationServingModule: Added Avp • FoodAndBeveragePropertiesInformationModule:Added Avp • GDSNTradeItemClassification: Added new classes (AdditionalTradeItemClassification and AdditionalTradeItemClassificationValue). • GDSN Common: Added new Code Data Type for AdditionalTradeItemClassificationCodeListCode. • GDSN Common: Added Display Type Code • GDSN Common: Moved organicProductPlaceOfFarmingCode to GDSN Common • GDSN Common: Moved OrganicClaimAgencyCode to GDSN Common • GDSN Common: Moved organicTradeItemCode to GDSN Common • GHSDetail: Added code data types for GHSSignalWordsCode and GHSSymbolDescriptionCode. • GS1TradeItentificationKey:Added isBarCodeDerivable to GS1TradeItemIdentificationKeyClass (Moved from DataCarrier). • GS1TradeItentificationKey:Moved isBarCodeOnPackageVariableMeasureBarCode from Packaging Marking to GS1TradeItemIdentificationKey • HazardousInformationDetail: Changed classOfDangerousGoods to Optional • HazardousInformationDetail: Updated AVPList • HazardousInformationHeader: Updated AVPList • HazardousMaterialsTransportationModeCode: Moved to common. • HealthBenefitInformationModule: Changed Name to HealthReleatedInformationModule • HealthBenefitInformationModule:Changed Name to HealthRelatedInformation • HealthBenefitInformationModule:"isTradeItemChemicalNotIntendedForHumanConsumption		

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Change	BMS Doc Version	Associated CR Number
• HealthcareItemInformation :Added AVP • HealthcareItemInformationModule: Made association to HealthcareItemInformation 0..1 • HealthWellnessPackagingMarkingModule: Changed association to HealthWellnessPackagingMarking to 0..1 • HealthWellnessPackagingMarkingModule: Added Avp • MarketingInformation:Changed gradeCode to gradeCodeReference • MarketingInformation: Changed tradeItemFeatureCode to tradeItemFeatureCodeReference • MarketingInformation:Added AVP • MarketingInformationModule:Made association to MarketingInformation 0..1 • MedicalDeviceInformation: Added Avp • MedicalDeviceInformationModule: Made association to MedicalDeviceInformation 0..1 • MovieRevenueInformation: Added Avp • MovieRevenueInformationModule: Made Association to MovieRevenueInformation 0..1 • NonFoodIngredient: Deleted isTradeItemChemicalNotIntendedForHumanConsumption • NonFoodIngredient: Changed name of NonfoodIngredientCode to NonFoodIngredientCodeReference • NonFoodIngredientModule :Changed association to NonFoodIngredient to 0..* • NonFoodIngredientStrength:Changed Name to Ingredient Strength • NonGTINLogisticsInformation: Added Depth, Height, Width, Deleted link to TradeItemDimensions • NonGTINLogisticsInformation: Added AVP • NonGTINLogisticsInformation:Made link to NonGTINLogisticsUnitInformation Optional and Not Repeating. • NutrientDetail: Changed dailyValueIntakePercent to decimal • NutrientHeader: Changed attribute PreparationTypeCode to PreparateionStateCode • NutritionalInformationModule:Changed Name of Module • NutritionalInformationModule:Added AVP to Module Class to match TSD • NutritionalInformationModule:Deleted NutritionalClaimCode and added new class NutritionalClaimDetail with two new optional attributes (nutritionalClaimTypeCode, nutritionalClaimNutrientElementCode) • ONIXPublicationCollectionInformation:collectionTypeCode changed to collectionTypeCodeReference • ONIXPublicationFileInformation:Added AVP • ONIXPublicationFileInformationModule:Made association to ONIXPublicationFileInformation 0..1		

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Change	BMS Doc Version	Associated CR Number
• Organic Information:Created new class and Moved to GDSN Common • OrganicClaim:Changed organicPercentClaim to decimal • OrganicClaim:Moved to GDSN Common • OrganismClassification : Added AVP • OrganismClassificationModule:Changed Association to OrganismClassification to 0..* • Packaging:Moved Extension to last element before AVP • Change PackagingOwnerName to (1..200). Note this is a new attribute for Packaging along with PackagingOwnerIdentification. • PackagingMarkingModule: Added AVP • PackagingMarkingModule: Made Association to Packaging Marking 0..1 • PartyInRole: Made PartyRole Mandatory • PartyInRole:Added attribute partyAddress • PermitIdentification:Added association to ReferencedFileInformation • PharmaceuticalItemInformationModule:Made Association to PharmaceuticalInformation 0..1 • PharmaceuticalItemInformationModule: Added AVP • PHInformation:exactPH change to decimal • PHInformation:maximumPH changed to decimal • PHInformation:minimumPH changed to decimal • PhysicalChemicalPropertyInformation:lowerExplosiveLimit changed to decimal • PhysicalChemicalPropertyInformation:upperExplosiveLimit changed to decimal • PhysicalResourceUsageInformation:Changed physicalResourceUsageAgencyCode to physicalResourceUsageAgencyCodeReference • PhysicalResourceUsageInformation:Changed physicalResourceUsageAgencyCodeReference to 0..1 • PhysicalResourceUsageInformationModule:Added automaticPowerDownDefaultTimePeriod • PhysicalResourceUsageInformationModule:Added isTradeItemAutomaticPowerDownEnabled • PhysicalResourceUsageInformationModule: Added avplist • PhysicalResourceUsageTradeItemClassification:physicalResourceUsageClassificationCodeReference • PhysicalResourceUsageTradeItemClassification:physicalResourceUsageSubclassificationCodeReference • PlaceOfProductActivity: Changed association to new Country Class. Activity Target Market class deleted. • PlaceOfItemActivityModule:Added Association Name to Country class. • PlaceOfItemActivityModule: Changed activityRegion to activityRegionDescription and changed datatype to description200		

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Change	BMS Doc Version	Associated CR Number
• PlaceOfProductActivity :Changed TradeItemProvenanceStatement to provenanceStatement • PlaceOfProductActivity: Moved in counryOfOriginStatement from PlaceOfItemActivityModule • PlaceOfItemActivityModule:Added AVP • PlaceOfItemActivityModule: Changed Name of Class from placeOfItemActivity to placeOfProductActivity • PlaceOfItemActivityModule:Moved PlaceOfProductActivity Class to GDSN Common • PlaceOfProductActivity: Changed TradeItemActivityTypeCode to ProductActivityTypeCode • PlaceOfProductActivity: added direct association to country for countryOfOrigin. • PlatformInformation: Changed name of packagingLevel to PlatformPackagingLevel • PlatformInformation:Changed name of packagingWeight to PlatformPackagingWeight • PlatformInformationModule:Added Extension • PlumbingHVACPipeInformation: Added Avp • PreparationMethod:productYieldVariationPercentage changed to decimal • PreparationServing:Changed ConvenienceLevelPercent to decimal • PromotionalItemInformation:Added Avp • PromotionalItemInformationModule: Made association to PromotionalItemInformation 0..* • PublicationTitleRating: Added AVP • PublicationTitleRating: Changed titleRatingCode to titleRatingCodeReference • PublicationTitleRatingModule:Added new class PublicationTitleRating • PublicationTitleRatingModule:Moved all attributes to PublicationTitleRating • REACHUseDescriptorInformation:rEACHChemicalProductUseDescriptorCode made facets 1..35 • REACHUseDescriptorInformation:rEACHEnvironmentReleaseUseCategoryCode made facets 1..35 • REACHUseDescriptorInformation:rEACHProcessUseDescriptorCode made facets 1..35 • REACHUseDescriptorInformation:rEACHSectorUseDescriptorCode made facets 1..35 • ReferencedFileDetail:Added AVP • ReferencedFileDetailInformationModule:Made association to ReferencedFileDetail optional • ReferencedFileInformation :Moved Extension to last element • RegulatedChemical: Changed regulatedChemicalIdentifier to regulatedChemicalIdentifierCodeReference • RegulatedTradeItemModule:Moved regulationTypeCode to RegulatoryInformation, changed name		

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Change	BMS Doc Version	Associated CR Number
• RegulatoryInformation:Added AvpList • ReturnableAssets:Made returnableAssetOwnerName facets string{1..200} • SalesConditionsInformation:Changed Name to SalesInformation • SalesConditionsInformationModule: Changed name to SalesInformationModule • SalesConditionsInformationModule: Added AVP • SecurityTagInformation: Added Avp • SecurityTagInformationModule: Made association to SecurityTagInformation 0..* • ServingQuantityInformation:Changed numberOfServingsPerPackage to decimal • SoftwareSystemRequirements: Added AVP • SpecificGravityInformation:specificGravity changed to decimal. • SustainabilityInformation: Deleted Extension Attribute • SustainabilityInformation: Changed association to Sustainability to 0..1 • SustainabilityInformation: Changed postConsumerRecycledContentPercentage to decimal. • SustainabilityInformation: Changed renewablePlantBasedPlasticComponentsPercent to decimal. • SustainabilityInformation: Changed totalRecycledContentPercentage to decimal. • TextileMaterial: Added Avp • TextileMaterial: Made Association to TextileMaterialComposition 0..* • TextileMaterialComposition: Added Avp • TextileMaterialModule: Made Association to Textile Material 0..* • Trade Item: Made relationship to TradeItemInformation Optional • Trade Item: Changed context data type to TradeItemContextCode' • Trade Item: Added NextLowerLevelTradeItemTradeItemInformation. • Trade Item: Moved quantityOfChildren to NextLowerLevelTradeItem Class • Trade Item: Moved totalQuantityOfNextLowerLevelTradeItem to NextLowerLevelTradeItem Class • Trade Item: Added relation to Party Reference for informationProvider • Trade Item: Added relation to Party Reference for brandOwner • Trade Item: Added relation to Party Reference for informationProvider • Trade Item: Added AvpList To TradeItem • Trade Item: Added new class DisplayUnitInformation. Contains display attributes removed from TradeItemMeasurements.		

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Change	BMS Doc Version	Associated CR Number
• Trade Item Information: productionVariantDescription changed data type to Description70 • TradeItemComponents: Added contentsDescription • TradeItemDescriptionInformation: Changed Variant to VariantDescription • TradeItemDescriptionInformation: Added AVP • TradeItemDescriptionInformation: regulatedProductName changed from string to description500 • TradeItemDescriptionInformation: changed name of tradeItemGroupIdentificationCode to tradeItemGroupIdentificationCodeReference • TradeItemDisposalInformation: componentsLabeledForDisassemblyRecyclingPercent changed to decimal • TradeItemDisposalInformationModule: Made association to TradeItemDisposalInformation optional 0..1 • TradeItemDisposalInformationModule: Added AVP • TradeItemHandlingModule: Deleted consumerUsageStorageInstructions • TradeItemHandlingModule: Added AVP • TradeItemHandlingModule: Made association to TradeiItemHandlingInformation optional • TradeItemHierarchy: Added AVP • TradeItemHierarchyModule: Made association to TradeItemHierarchy 0..1 • TradeItemHumidityInformationModule: Made association to TradeItemHumidityInformation Optional (0..*) • TradeItemHumidityInformationModule:Made MaximumHumidityPercentage a decimal • TradeItemHumidityInformationModule:Made MinimumHumidityPercentage a decimal • TradeItemHumidityInformationModule: Changed TempaeratureQualiifierCode to HumidityQualifierCode • TradeItemHumidityInformationModule: Changed data type to TemperatureQualifierCode) • TradeItemMeasurements: Added Depth, Height, Width • TradeItemMeasurements: Added AVP • TradeItemmeasurementsModule: Made Association to TradeItemMeasurements Optional • TradeItemMeasurements: Removed displayTypeCode, hasDisplayReadyPackaging, isTradeItemADisplayUnit. • TradeItemPrice: Changed PriceBasisQuantity data type to quantity from amount • TradeItemPrice: Made tradeItemPriceType optional • TradeItemPriceInformation : Made cataloguePrice association to TradeItemPrice 0..* • TradeItemPriceInformation : Made suggestedRetailPrice association to TradeItemPrice 0..* • TradeItemPriceInformation :Added named association for cataloguePrice		

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Change	BMS Doc Version	Associated CR Number
• TradeItemPriceInformation :Added named association for suggestedRetail • TradeItemPriceInformation :Added named association for additionTradeItemPrice • TradeItemSalesConditions :Added TradeItemConditionCode • TradeItemSizeModule:Added AVP • TradeItemTemperatureInformation: Added Avp • TradeItemTemperatureInformationModule: Added AVP • TradeItemVariant : Changed tradeItemVariant to tradeItemVariantValue • TransporationClassification: Moved to GDSN Common • VariableTradeItemInformation:Added AVP • VariableTradeItemInformation:Changed VariableWeightAllowableDeviationPercentage to a decimal. • VideoDisplayDeviceInformation:Added AVP • VideoDisplayDeviceInformationModule:Changed Association to VideoDisplayDeviceInformation to 0..1 • WarrantyInformation:Added AVP • WarrantyInformation:Changed name of warrantyEffectiveDateTypeCode to warrantyEffectiveDateType • WarrantyInformation: Changed name of warrantyTypeCode to warrantyType • WarrantyInformationModule:Made Association to Warranty Information 0..* • Changed Code STORAGE to STORAGE_HANDLING in TemperatureTypeQualifier Code List. • Removed BLUE_ANGEL from TradeItemRegulationTypeCodeList. • Added GS1_AttributeValuePairList as a data type. • Changed humidityQualifierCode to 0..1. (10Jun2013) • Changed association from DangerousSubstanceInformationModule to DangerousSubstanceInformation to 0..* (10Jun2013) • Added gs1TradeItemIdentificationKeyValue to TradeItemDataCarrierAndIdentificationModule (18Jun2013) • Changed TradeItemFormDescription to 0..* (18Jun2013) • Changed titlesAfterNames and titlesBeforeNames to 0..* (18Jun2013)		
• Added SPIO and MCU into Rating Agency List. • Added in Title Ratings for Television • Changed name of Unit of Measure Code List to MeasurementUnitCode to match data types. • Updated definition of isTradeItemAConsumerUnit based on WR 11-263 • Added in CHEMICAL_ASSESSMENT_SUMMARY and CHEMICAL_SAFETY_REPORT tor ReferencedFileTypeCodeList.	1.0.4	

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Change	BMS Doc Version	Associated CR Number
• Packaging Type Code: Changed BNG to X11, BRG to BRI, PPG to PLP and WRG to WRP to match actual Rec 21 Values. • Removed code 18 (Biokreis) from OrganicClaimAgencyCodeList per CR 12-218		
• Updated definition for classOfDangerousGoods to reference the version of code list to use. • Changed tradeItemFeatureBenefit to Description250. Note needed to add new data type into GDSN Common for Description250. • Changed names of attributes in CompoundStringAttributeValuePair Class to attributeName, attributeCode, codeListNameCode, codeListVersion. Made codeListNameCode mandatory. • Changed name of attribute in StringAttributeValuePair Class to attributeName. • Changed partyRole in PartyInRole Class to optional. • Added AVPLists to the following classes in the SafetyDataSheet Module (ChemicalIngredient, LethalDoseConcentrationInformation,FlashPoint, PhysicalChemicalPropertyInformation, SpecificGravityInformation) • Moved PreparationType into PreparationServing Class. Made PreparationServing Class Repeatable.Changed PreparationMethodClass to ProductYieldInformation. Moved manufacturerPreparationType into FoodAndBeveragePreparationServingModuleClass. • Updated definitions for following attributes for multi-language, currency, measurement (accidentalReleaseMeasuresDescription, additionalTradeItemDescription, additionalSDSInformation, allergenStatement, allowanceChargeDescription, autoignitionTemperature, boilingPoint, characteristicValue, chemicalPropertyAdditionalDescription, clothingCut, colorDescription, compulsoryAdditivesLabelInformation, conditionsToAvoidDescription, consumerPackageDisclaimer, consumersafetyInformation, consumerUsageInstructions, consumerStorageInstructions, contactDescription, countryOfOriginStatement, dailyValueIntakeReference, descriptionShort, diameter, dietTypeDescription, discountDescription, displayScreenBezelSize, displayScreenSize, drainedWeight, dutyFeeTaxBasis, ecologicalInformationDescription, extinguishingMediaDescription, fileBackgroundColourDescription, fileCameraPerspective, fileCampaignDescription, fileColourCalibration, fileCopyrightDescription, fileDepictedSceneDescription, fileDepictedSeason, fileDisclaimerInformation, fileFeeDescription, fileLifestyleDescription, filePrintHeight, filePrintWidth, fileRecommendedUsageDescription, fileResolutionDescription, fileRightsDescription, fileSize, fileStoryDescription, fileTalentDescription, fileUsageRestriction, fireFighterProtectiveEquipmentDescription,	1.0.5	

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Change	BMS Doc Version	Associated CR Number
firstAidProceduresDescription, flammablePropertiesDescription, flashPointTemperature, flashPointTemperature, freeQuantityOfNextLowerLevelTradeItem, freeQuantityOfProduct, freezingMeltingPoint, functionalName, handlingInstructionsDescription, hazardousMaterialsHandlingProceduresDescription, hazardousWasteDescription, hazardStatementsDescription, healthClaim, inBoxCubeDimension, ingredientName, ingredientStatement, intendedPublicationMediaTypeDescription, invoiceName, languageSpecificBrandName, languageSpecificSubBrandName, manufacturerTakeBackProgramFee, materialCode, maximumOptimumConsumptionTemperature, minimumFishMeatPoultryContent, minimumOptimumConsumptionTemperature, nestingIncrement, netContent, nonhazardousWasteDescription, noteToPhysician, nutritionalClaim, orderingLeadTime, orderSizingFactor, organismMaximumValue, packagingMaterialCoatingTypeDescription, packagingMaterialCompositionDescription, packagingMaterialCompositionQuantity, packagingMaterialDescription, pegHorizontal, pegVertical, physicalFormDescription, precautionaryStatementsDescription, precautions, preparationConsumptionPrecautions,preparationInstructions,priceComparisonMeasurement, productYield, prohibitedForTransportationReason, protectiveEquipment, protectiveEquipmentAdditionalDescription, provenanceStatement, quantityContained, regulatedChemicalDescription, restrictionDescription, returnableAssetCapacityContent, servingSize, servingSizeDescription, servingSuggestion, shippingcontainerquantitydescription, shippingRegulationException, specialRequirementsDescription, stackingWeightMaximum, StorageCompatibilityDescription, storageRequirementsDescription, testCriteriaDescription,, testSpeciesDescription, totalScreenArea, toxicologicalInformationDescription,tradeItemCompositionDepth, tradeItemCompositionWidth, tradeItemGroupIdentificationDescription, unitsPerTradeItem, Variant, warningCopyDescription, warrantyDescription, workingPressureRatingMaximum, workingPressureRatingMinimum • Changed reachChemicalRegistrationNumber to rEACHChemicalRegistrationNumber in ChemicalIngredientClass (19-02-14) • Changed association for psychotropicSubstance in the PharmaceuticalItemInformationModule to ExternalCodeValueInformation (19-02-14) • Added code value DELIVERY_TO_MARKET to TemperatureQualifierCode		
• PackagingInformationModule o Removed association names/roles for packagingPackageDeposit,	1.0.6	

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Change	BMS Doc Version	Associated CR Number
packagingPackagingMaterial (associations still exist to PackageDeposit and PackagingMaterial) o Added doesPackagingHaveWheels, platformTermsAndConditionsCode, platformTypeCode to Packaging Class. o Moved Data Types PackagingMaterialPerformanceCode, PackagingMaterialAppliedProcessCode out of GDSN Common and into Packaging Module. o Deleted extension point from Packaging Class. o Made packagingTypeCode optional. Changed its sequence. • FoodAndBeverageIngredientModule o Deleted association for SubIngedient o Changed data type of IngredientSequence to String. Changed sequence of ingredienSequence to be first attribute. • ProductCharacteristicsModule: Added new module. • PackagingSustainabilityModule: Added new module, • Deleted PlatformInformationModule. • ReferencedFileDetailInformationModule o Removed fileLanguageCode from FileContentInformation (moved to ReferencedFileInformation class) o Added intermediary class (ReferencedFileHeader) which imports ReferencedFileDetail. o ReferencedFileHeader to ReferencedFileDetail is now 0..1. • SafetyDataSheetModule o Removed association to TransportationClassification • TransportationHazardousClassificationModule o Moved TransportationClassification and RegulatedTransportationMode classes out of common and into TransportationHazardousClassificationModule along with associated data type. • ReferencedFileInformation o Added fileLanguageCode and association to AVPList • ProductActivityDetails o Added association (productActivityRegionZoneCodeReference) to ExternalCodeValueInformation. • Code Lists o Changed RatingContentDescriptorCode (Film) for Nudity from NC to N. o Added AA Intermediate bulk container, rigid plastic to Packaging Type Code o Added CMS into Packaging Type for Clam Shell o In Nutritional Claim Nutrient Element Code, changed ARTIFICIALLY_SWEETENERS to ARTIFICIAL_SWEETENERS o Added the codes ADDED and UNSWEETENED to the NutritionalClaimTypeCode.		

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Change	BMS Doc Version	Associated CR Number
○ Added NO_BARCODE to Data Carrier Family Type Code ○ Removed STERILE and EXTEMELY_CLEAN from PackagingMarkedAccreditation Code List ○ Added STERILE and EXTREMELY_CLEAN to FeatureCodeList ○ Deleted NORDIC_SWAN, GEZONDE_KEUZE_KLAVERTJE, IK_KIES_BEWUST, NYCKELHAL_MARK from Packaging Marked Label Accreditation Code ○ Added SAFETY_SUMMARY_SHEET, SAMPLE_SHIPPING_ORDER, TESTING_METHODOLOGY_RESULTS, REGULATORY_INSPECTION_AUDIT, RISK_ANALYSIS_DOCUMENT, QUALITY_CONTROL_PLAN, HAZARDOUS_SUBSTANCES_DATA, CERTIFICATION. ○ Added CYLINDRICAL to packaging shape code. ○ Added RESTRICTED_TO_SELL_16, RESTRICTED_TO_SELL_18, RESTRICTED_TO_SELL_21 to Consumer Sales Condition Type Code. ○ Added CEN to Packaging Recycling Scheme Code. ○ Changed MAX_DOOR_DRAWER_LID_CLEARANCE_W_HDL in DimensionTypeCode to match 2.8 value. ○ Added COMPRESSED_LIQUID to Specific Gravity Reference Material Code. ○ Add NOT_REQUIRED to RecommendedStatusCode ○ Added NOT_APPLICABLE and UNSPECIFIED to GHS Signal Words Code ○ Added BOTTLING to Place Of Activity Code List ○ Removed EC_NATIONAL_HEALTH_MARK from PackagingMarkedLabelAccreditationCode ○ Added ANIMAL_ID_HEALTH_MARK to PackagingMarkedLabelAccreditationCode		
• Removed link to ReferencedFileInformation from TradeItem • Changed organicClaimAgencyCode from 0..1 to 0..* • Changed organicTradeItemCode from 0..* to 0..1 • Replaced association from Packaging to Dimension with association to new class (PackagingDimension). Note: Association is no longer named. • Changed data type for TargetConsumerGender in Marketing Information Module from GenderEnumeration to TargetConsumerGender (new data type)	1.0.7	
• Added SPECIALIST_PRESCRIPTION_REQUIRED to Prescription Type Code • Added SAFETY_SUMMARY_SHEET, CHILD_NUTRITION_LABEL. PRODUCT_FORMULATION_STATEMENT to Referenced File Type Code. • Added following codes back into Trade Item Unit Descriptor: DISPLAY_SHIPPER, MIXED_MODULE. • Added the following codes to Measurement Unit Code A71,C52,C45,KPA,MBR, FML, PLT, NAN, AWG, CFU, MPN,	1.0.8	

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Change	BMS Doc Version	Associated CR Number
BPM, TPI, OPM, KNM, RPM, VLT, E32, 2X, E09, D19, AMP, D55, MQH, F27, NU. • Added the following code to Organic Claim Agency Code: 999, 20. • Added the following codes to Battery Type Code for ECL: 15F15, 15F20, 20F20, 2CR1_3N, 2CR11108, 2CR5, 2R10, 3LR12, 3R12, 4LR44, 6F22, 8LR932, CR2, CR1025, CR1216, CR1220,CR1225,CR123A, CR1616, CR1620, CR1632, CR2012,CR2016,CR2025,CR2032,CR2330,CR2354,CR2430 ,CR2450, CR2477, CR3032, CR6362, CR7362, CR927,CRP2, CRV3, J, LR03, LR09, LR1, LR14,LR20, LR25, LR41, LR42, LR43, LR44, LR48, LR54, LR55, LR57, LR58, LR59, LR6, LR60, LR61, LR63, LR68, LR69, N, NR50, NR52, PR41, PR43, PR44, PR48, PR70, R03, R14C, R14S, R20C, R20S, R25, R40, R6C, R6S, RCRV3, SR41, SR42, SR43, SR44, SR45, SR48, SR54, SR55,SR57, SR58, SR59, SR60,SR63, SR66, SR68, SR69, SUB_C, LANTERN_SCREW, LANTERN_BIG, LANTERN_SPRING, OTHER • Updated Trade Item Unit Descriptor Code Usage section to reapply MX and DS. • Source Animal Code: Added BEEF_COW, CALF, FOWL • Updated definition for PU for WR 12-246. • Growing Method Code: Added CLONED_FOODS, HUMANELY_RAISED, SUSTAINABLE for ECLs. • Added references to code lists managed by external agencies for classOfDangerousGoods and unitedNationsDangerousGoodsNumber for ECLs. • Added columns in section 7.1 for Multi Values for (Descriptions, Measurements, Amounts)		
• Changed UNKOWN to UNKNOWN in PackagingChainOfCustodySourceCertifiedCode • Updated definition of Height, Width, Depth in Trade Item Measurements Module • Updated definitions of Height, Width, Depth in NonGTINLogisticsUnitInformationModule		
• Deleted PRIVATE_LABEL_DISTRIBUTION from BrandDistributionTypeCode • Model Changes Resulting in Schema Updates o TradeItemRegulationInformation/regulationTypeCode : Changed datatype to regulationTypeCode. o Certification/certificationValue: Changed datatype to string. o TargetConsumer/targetConsumerGender: Changed datatype to TargetConsumerGenderCode o NonfoodIngredientModule/NonfoodIngredient: Increased length to String {1..500} o DistributionMediaTrackInformation/trackTime: Changed datatype to string {1..70} o ProductActivityDetails/productActivityRegionDescription: Changed datatype to Description500 o Packaging/packagingTypeDescription: Added to schema and model. o PlaceOfProductActivity /countryOfOriginStatement: Changed datatype to Description500	1.0.9	

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Change	BMS Doc Version	Associated CR Number
○ PlaceOfProductActivity/provenanceStatement: Changed datatype to Description500 ○ AdditionalTradeItemDimensions: Changed class name from TradeItemDimensions to AdditionalTradeItemDimensions. ○ In PackagingWeightReduction Class, changed proofOfOptimizedPackagingWeightStandardCode to proofOfPackagingWeightReductionStandardCode and proofOfOptimizedPackagingWeightStandardDescription to proofOfPackagingWeightReductionDescription (model, GDD Report and Schema). • Updated following definitions to remove reference to repeating for multivalue or description. Note this information is in section 7.1: flashPointTemperature, provenanceStatement, countryOfOriginStatement , productActivityRegionDescription, restrictionDescription, componentDescription, contactDescription, allergenStatement, clothingCut, chemicalPropertyAdditionalDescription, regulatedChemicalDescription, testCriteriaDescription, consumerStorageInstructions, consumerUsageInstructions, minimumFishMeatPoultryContent, orderSizingFactor, dietTypeDescription, dutyFeeTaxBasis, ingredientName, ingredientStatement, maximumOptimumConsumptionTemperature , minimumOptimumConsumptionTemperature, preparationConsumptionPrecautions, preparationInstructions, servingSuggestion, physiochemicalCharacteristicValue, compulsoryAdditiveLabelInformation, healthClaimDescription, consumerSafetyInformation, nutritionalClaim, dailyValueIntakeReference, servingSizeDescription, quantityContained, shippingContainerQuantityDescription, packagingCompositeMaterialDescription, packagingMaterialCoatingTypeDescription, packagingMaterialCompositionQuantity, returnableAssetCapacityContent,consumerPackageDisclaimer , warningCopyDescription, workingPressureRatingMaximum, workingPressureRatingMinimum, freeQuantityOfNextLowerLevelTradeItem, freeQuantityOfProduct,fileBackgroundColourDescription, fileColourCalibration,fileCompressionType,filePrintHeight, filePrintWidth, fileSize, fileCameraPerspective, fileDepictedSeason, fileLifestyleDescription, fileStoryDescription,fileTalentDescription,itemsInFileDescription, fileCampaignDescription, fileDisclaimerInformation,fileFeeDescription,fileRightsDescription ,fileUsageRestriction, intendedPublicationMediaTypeDescription, accidentalReleaseMeasuresDescription, additionalSDSInformation, conditionsToAvoid, ecologicalInformationDescription, firstAidProceduresDescription, hazardousMaterialsHandlingProcedures,noteToPhysician, storageRequirementsDescription,toxicologicalInformationDescription, hazardStatementsDescription, precautionaryStatementsDescription,autoIgnitionTemperature, boilingPoint, freezingMeltingPoint, flashPointTemperature, protectiveEquipmentAdditionalDescription, protectiveEquipment,		

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Change	BMS Doc Version	Associated CR Number
storageCompatibilityDescription,priceComparisonMeasurement,allowanceChargeDescription,additionalTradeItemDescription, descriptionShort, functionalName, labelDescription, tradeItemDescription, variantDescription,languageSpecificBrandName, languageSpecificSubbrandName,manufacturerTakeBackProgramFee, handlingInstructionsDescription, unitsPerTradeItem, prohibitedForTransportationReason,shippingRegulationException,specialRequirementsDescription, displayScreenBezelSize, displayScreenSize • Updated definition for doesTradeItemContainLatex, measurementPrecisionCode, numberOfServingsPerPackageMeasurementPrecisionCode, provenanceStatement, countryOfOriginStatement, codeListNameCode based on work request. • Updated GDD reports in document to match UML (UML is used to develop schemas): numberOfPiecesInSet, PackageTypeCode,certificationEffectiveEndDateTime, certificationEffectiveStartDateTime, dangerousGoodsHazardousCode, chemicalRegulationInformation, orderableReturnableConditionsCode, ingredientName, productYieldInformation, compulsoryAdditiveLabelInformation, MedicalDeviceTradeItemModule(class name), alternativeName, alternativeNameType, suffixToKey, titleElementLevel, oNIXTitleTypeCode, productCharacteristics, applicationIdentifierTypeCode, regulatedProductName, brandName, TextileMaterial association to TextileMaterialComposition, VideoDisplayDeviceInformationModule to VideoDisplayDeviceInformation, rEACHEnvironmentReleaseUseDescriptoryCode to rEACHEnvironmentReleaseUseCategoryCode • Updated definition for code PREFERRED in ReferencedTradeItemTypeCode. • Updated definitions for following PlatformTypeCodes: 10,11,12,13,30, 31, 35. 41,42,43,47 • Deleted the following PlatformTypeCodes 36, 37, 40 • Changed definition for PackagingTypeCode AA • Deleted the A_PULLO, ALKO from PackagingRecyclingSchemeCode • Updated definitions for ENERGY_STAR, MARINE_STEWARDSHIP_COUNCIL_LABEL in PackagingMarkedLabelAccreditationCode. • Deleted DIET_PRODUCT_450_800_KCAL_PER_DAY, DIET_PRODUCT_800_1200_KCAL_PER_DAY from PackagingMarkedDietAllergenCode. • Changed following codes for MeasurementUnitCode: Femtolitre now Q32,PicoLitre now Q33, NanoLitre now Q34. • Deleted DietTypeCode of ORGANIC • Deleted ConsumerSalesConditionTypeCode BTC, OTC, PRESCRIPTION_REQUIRED and replaced them with codes 1,2,3. Added UNRESTRICTED • Updated definition of BatteryTypeCode 9_VOLT.		

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Change	BMS Doc Version	Associated CR Number

• Made following definition updates in GDD reports for typos or cut off.
  ○ dubbedSubtitledCode: Dubbed = The film has a translated alternative soundtrack.
  ○ studioName: The name of the company (called studio in the film industry) that made the publication.
  ○ dutyFeeTaxCountryCode: The country that a duty, fee or tax may be applicable to for a trade item.
  ○ dutyFeeTaxEffectiveEndDateTime: The effective date on which the tax, fee or duty must end being collected.
  ○ dutyFeeTaxEffectiveStartDateTime: The effective date on which the tax, fee or duty must start being collected.
• Code Lists
  ○ Deleted Packaging Renewable Content Type Code List as there is no attribute that uses this list of protocols in 2.8 or 3.1.
  ○ Updated definition of ADDED to "A claim stating that a substance (e.g. sugar) has been added to a food."
  ○ Updated Grape Variety Code List to reference latest version of GPC.
• Changed 7.1 to say CataloguePrice does not repeat for value or currency.		

December ECL:
• AllergenTypeCode:
  ○ Added AD, BR,CS,DA,DP,FH,FT,HB,HD, HE,HH,HN,HP,MH,ON,PM,PN,PP,PS,SO,SS,TA,TD, TR
  ○ Updated Definition for AI, HC, NR
  ○ Deleted MO
• ConsumerSalesConditionTypeCode 1,2,3, RESTRICTED_TO_SELL_12, RESTRICTED_TO_SELL_6, UNRESTRICTED
• CountryCode: Added NON_EU
• DangerousGoodsRegulationCode: Added: ZCG, ZGE, ZNA, ZNB
• DataCarrierTypeCode: Added EPC_ENABLED_RFID_TAG
• DimensionTypeCode: Added DIRECT_SHIP_TO_CONSUMER
• FoodBeverageCompositionDatabaseCode: Added USDA
• Functional Basis Unit Code: Changed code DMQ1 to DMQ in order to facilitate mapping to Measurement Unit Code.
• ImportClassificationTypeCode: Added EU_EXCISE_PRODUCT_CODE, NOMENCLATURE_GENERALE_DES_PRODUITS
• LevelOfContainmentCode: Added 30,50,60, UNDECLARED
• MeasurementPrecisionCode: Added ABOUT, ABSENCE, GREATER_THAN, GREATER_THAN_OR_EQUAL, LESS_THAN_OR_EQUAL, NOT_SIGNIFICANT_SOURCE_OF TRACE, UNDETECTABLE, UNSPECIFIED, USUALLY, VARIED
• MeasurementUnitCode:
	1.1.0	

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○ Added 1N, 4N, ATM, ATT, FJ, G21, GL, PTN, Q30, UA, X_DBA, XRE ○ Deleted AIU ○ Changed code values Q32(was FML) ,Q33(was PLT), Q34 (was NAN) to reflect Rec 20 codes. • MicrobiologicalOrganismCode: Added BACILLUS_SUBTILIS • NutrientTypeCode: Added X_ SALATRIM, X_CASNWH, X_FUNS, X_PROSOL, X_SUCRA • NutritionalClaimNutrientElementCode: Added ALMONDS, ANTIOXIDANTS, ARTIFICIAL_FLAVOUR, BARLEY, BRAZIL_NUTS, CASHEWS, CRUSTACEAN, DAIRY, HAZELNUTS, MACADAMIA, MOLLUSCS, MULTIGRAIN, MUSTARD, OAT, PECANS, PINENUTS, PISTACHIOS, PLANT_STEROLS, RYE, SESAME, TREE_NUTS, TRITICALE, WALNUTS, WHOLE_GRAIN, WHOLE_WHEAT, YEAST • NutritionalClaimTypeCode: Added MADE_WITH • NutritionalClaimNutrientElementCode: ○ Corrected spelling issue in code FLOURIDE ○ Updated definition of TREE_NUTS • PackagingMarkedDietAllergenCode: Added FOOD_WITH_VERY_LOW_ENERGY_CONTENT, INFANT_FORMULA, MEAL_REPLACEMENT_FOR_WEIGHT_CONTROL, TOTAL_DIET_REPLACEMENT_FOR_WEIGHT_CONTROL • PackagingMarkedFreeFromCode: Added FREE_FROM_ADDED_SULPHITES, FREE_FROM_ALMONDS FREE_FROM_BARLEY, FREE_FROM_BPA, FREE_FROM_BRAZIL_NUTS, FREE_FROM_CASHEWS, FREE_FROM_CRUSTACEAN, FREE_FROM_HAZELNUTS, FREE_FROM_MACADAMIA, FREE_FROM_MOLLUSCS, FREE_FROM_MUSTARD, FREE_FROM_OAT, FREE_FROM_PEA_PROTEIN, FREE_FROM_PEANUTS_AND_MADE_IN_A_PEANUT_FREE_FACILITY, FREE_FROM_PECANS, FREE_FROM_PINENUTS, FREE_FROM_PISTACHIOS, FREE_FROM_RYE, FREE_FROM_SESAME, FREE_FROM_TREE_NUTS, FREE_FROM_TRITICALE, FREE_FROM_WALNUTS, FREE_FROM_WHEAT • PackagingMaterialTypeCode: Added WOOD_HARDBOARD, WOOD_MEDIUM_DENSITY_FIBERBOARD, WOOD_ORIENTED_STRANDBOARD, WOOD_PARTICLE_BOARD, WOOD_PLYWOOD • PackagingMarkedLabelAccreditationCode: ○ Changed definition for ENERGY_STAR, MARINE_STEWARDSHIP_COUNCIL_LABEL ○ Added 100_PERCENT_CANADIAN_MILK, ACMI,AGENCE_BIO,AISE, AISE_2005, AISE_2010, ALUMINIUM_ GESAMTVERBAND_DER_ ALUMINIUMINDUSTRIE, AMA_ORGANIC_SEAL_BLACK, AMA_SEAL_OF_APPROVAL, ANIMAL_WELFARE_APPROVED_GRASSFED, AQUACULTURE_STEWARDSHIP_COUNCIL, ARGE_GENTECHNIK_FREI, ASMI, ATG,		

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AUSTRIA_BIO_GARANTIE, AUSTRIAN_ECO_LABEL,BEBAT, BELGAQUA, BENOR, ERCHTESGADENER_LAND, BEST_AQUACULTURE_PRACTICES, BEST_AQUACULTURE_PRACTICES_2_STARS, BEST_AQUACULTURE_PRACTICES_3_STARS, BEST_AQUACULTURE_PRACTICES_4_STARS, BIKO_TIROL, BIO_FISCH, BIO_RING_ALLGAEU, BIOLAND, BIOLAND_ENNSTAL, BIOS_KONTROLLE,BRC_GLOBAL_STANDARDS, BRITISH_DENTAL_HEALTH, BSCI, CAC_ABSENCE_OF_ALMOND, CAC_ABSENCE_OF_EGG, CAC_ABSENCE_OF_MILK, CAC_ABSENCE_OF_PEANUT, CANADIAN_AGRICULTURAL_PRODUCTS, CCA_GLUTEN_FREE, CCOF, CEBEC, CERTIFIED_ANGUS_BEEF, CERTIFIED_OE_100,COMPOSTABLE_ DIN_CERTCO, COSMEBIO, COTTON_MADE_IN_AFRICA, CPE_SCHARREL_EIEREN, CPE_VRIJE_UITLOOP_EIEREN, CSA_INTERNATIONAL,DLG_AWARD, DOLPHIN_SAFE,DUURZAAM_VARKENSVLEES, DZG_GLUTEN_FREE,EARTHSURE, ECO_KREIS, ECOCERT_COSMOS_NATURAL,ECOCERT_COS MOS_ORGANIC, ECOGARANTIE,ECOVIN, ENEC, ERDE_SAAT, ERKEND_STREEK_PRODUCT,EU_ENERGY_LAB EL, FAIR_FOR_LIFE, FAIR_TRADE_USA,FAIRTRADE_COCOA, FAIRTRADE_COTTON, FAIRTRADE_SUGAR, FEDERALLY_REGISTERED_INSPECTED_CANAD A, FLAMME_VERTE, FOODLAND_ONTARIO, FOREST_STEWARDSHIP_COUNCIL_100_PERCE NT, FOREST_STEWARDSHIP_COUNCIL_MIX, FOREST_STEWARDSHIP_COUNCIL_RECYCLED, FOUNDATION_ART, FRANCE_LIMOUSIN_MEAT, FREILAND, FRIEND_OF_THE_SEA, GAA, GASKEUR, GASTEC, GENUSS_REGION_AUSTRIA, GEPRUEFTE_SICHERHEIT, GFCO, GFCP, GLOBAL_GAP, GLOBAL_ORGANIC_TEXTILE_STANDARD, GMP_CERTIFIED, GMP_ISO_22716, GOOD_HOUSEKEEPING, GRASKEURMERK, GREEN_SEAL,GREEN_STAR_CERTIFIED, GROEN_LABEL_KAS,HALAL_CORRECT, HALAL_PLUS, HEALTH_CHECK,HEUMILCH, ICADA, ICEA, ICELAND_RESPONSIBLE_FISHERIES, IFOAM, IFS_HPC, IHTK_SEAL, IKB_EIEREN, IKB_KIP, IKB_VARKEN, INSTITUT_FRESENIUS, INT_PROTECTION, ISEAL_ALLIANCE, IVN_NATURAL_LEATHER, IVN_NATURAL_TEXTILES_BEST, JODSALZ_BZGA, KABELKEUR, KAT, KEMA_KEUR, KIWA,KOMO, KVBG_APPROVED,		

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LABEL_ROUGE, LACON, LAENDLE_QUALITAET, LGA, LVA, MEHR_WEG, MILIEUKEUR, MPS_A, MUNDUSVINI_GOLD, MUNDUSVINI_SILVER, MY_CLIMATE, NATUREPLUS, NATURLAND, NATURLAND_FAIR_TRADE, NDOA,NEULAND, NF_MARQUE, NON_GMO_PROJECT,NPA, NSF, OCIA, OEKO_CONTROL, OEKO_KREISLAUF, OEKO_QUALITY_GUARANTEE_BAVARIA, HNE_GEN_TECHNIK, OKOTEST, ORBI,ORGANIC_100_CONTENT_STANDARD, OZONE_FRIENDLY_GENERAL_CLAIM, PCO, PEFC_CERTIFIED, PEFC_RECYCLED, PET_TO_PET, PRODERM, PROVEN_QUALITY_BAVARIA, PUHTAASTI_KOTIMAINEN, QAI, QS, QUALITY_RHOEN, RAL_QUALITY_CANDLES, RECUPEL, RECYCLABLE_GENERAL_CLAIM, REGIONALFENSTER, REGIONALTHEKE_FRANKEN, RHP, SCHLESWIG_HOLSTEIN_QUALITY, SGS_ORGANIC,SKG_CERTIFICATE, SLG_CHILD_SAFETY,SLG_TYPE_TESTED, SLK_BIO, STIFTUNG_WARENTEST, STOP_CLIMATE_CHANGE, SUS, SUSTAINABLE_FORESTRY_INITIATIVE, SVENSK_ FAGEL, SVENSKT_KOTT, TIERSCHUTZBUND, TNO_APPROVED, TOOTHFRIENDLY, TUEV_GEPRUEFT, UMWELTBAUM,UNSER_LAND, USDA_ORGANIC, VDE,VDS_CERTIFICATE, VEGAN_AWARENESS_FOUNDATION, VEGAN_SOCIETY_VEGAN_LOGO, VEILIG_WONEN_POLITIE_KEURMERK, WEIDEMELK,WHOLE_GRAIN_COUNCIL_STAMP, WSDA • Updated names and definitions for following PlatformTypeCodes: 10,11,12,13,30, 31, 35. 41,42,43,47 • PreparationTypeCode: Added COMBI_HEAT, COMBI_STEAM, CONVECTION, MIX, WHIP • ProductActivityTypeCode: Added BIRTH, REARING, SLAUGHTER • ProductCharacteristicCode: Added alcoholicBeverageCharacteristicDescription, averageLife, colourOfAlcoholicBeverage, hairColorPermanence, isMaternity, numberOfPlys, sweetnessLevelOfAlcoholicBeverage, tamponAbsorbencyLevel, typeOfBottleClosure • ReferencedFileTypeCode: Added CROSSSECTION_VIEW, DOP_SHEET, ENERGY_LABEL, INTERNAL_VIEW, TRADE_ITEM_IMAGE_WITH_DIMENSIONS, ZOOM_VIEW • RegulationTypeCode: Added AEROSOL_REVERSE_EPSILON, AGRICULTURE_PROTECTION_REGULATION, BATTERY_DIRECTIVE, BIOCIDE_REGULATION, CE, CONSUMER_PRODUCT_SAFETY, COSMETIC_INFORMATION_REGULATION, DETERGENTS_SAFETY_REGULATION, E_MARK, EFFICIENCY_OF_LAMPS_LUMINARIES, EMC_DIRECTIVE,		

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EU_REGULATION_FOR_FOODSTUFF, FEED_SAFETY_REGULATION, FOOD_FOR_SPECIAL_PURPOSES, FOOD_INFORMATION_REGULATION, FOOD_SUPPLEMENT_DIRECTIVE, FREE_PHARMACEUTICAL_PRODUCTS_DIRECTIVE, INTENDED_TO_COME_INTO_CONTACT_WITH_FOOD, LVD_DIRECTIVE MEDICAL_DEVICE_SAFETY, PHARMACEUTICAL_PRODUCT_DIRECTIVE, PRODUCT_OF_DAILY_USE_DIRECTIVE, PROP_65, RETURNING_OF_ELECTRONICAL_PRODUCT_DIRECTIVE , ROHS_DIRECTIVE, SECURITY_OF_ELECTRONIC_PRODUCTS_DIRECTIVE, TEXTILE_LABELLING_REGULATION, TOY_SAFETY_DIRECTIVE, UNDERWATER_LIGHTING, UVA • SeasonParameterCode: Added CARNIVAL, CHRISTMAS, EASTER, HALLOWEEN, OTHER,VALENTINES_DAY • SizeTypeCode: Added AXLE_WIDTH, BACK_RISE, BAG_HEIGHT, BAG_STRAP_DROP, BAG_STRAP_LENGTH, BELT_LENGTH, BELT_WIDTH, BOOT_CIRCUMFERENCE, BOOT_SHAFT, BRIM, CHAIN_LENGTH, CIRCUMFERENCE, COOKWARE_DEPTH, COOKWARE_DIAMETER, COOKWARE_FIRST_HANDLE_LENGTH, DRESS_LENGTH, EXTENDED_DEPTH, EYEWEAR_BRIDGE_WIDTH, EYEWEAR_FRAME_WIDTH, EYEWEAR_LENS_HEIGHT, EYEWEAR_LENS_WIDTH, EYEWEAR_TEMPLE_LENGTH, FOOTIES_SHOULDER_TO_TOE, FRONT_RISE, GROUND_CLEARANCE, HANDLE_LENGTH, HEEL_HEIGHT, HIDDEN_PLATFORM_HEIGHT, JEWELLRY_HEIGHT, JEWELLRY_WIDTH, LEG_OPENING, ONSIES_SHOULDER_TO_TOE, PLATFORM_HEIGHT, PRECIOUS_METAL_PURITY, PRECIOUS_METAL_WEIGHT, RACQUET_LENGTH, RUNNING_LENGTH, SHEET_DEPTH, TORSO_LENGTH, TOTAL_STONE_KARAT, WAIST_WIDTH, WATCH_CASE_DEPTH, WATCH_CASE_HEIGHT, WATCH_CASE_WIDTH, WATCH_STRAP_LENGTH, WATCH_STRAP_WIDTH, WHEEL_DEPTH, WHEEL_DIAMETER, WHEELBASE • SpecialItemCode: Added DEMONSTRATION_UNIT, LIMITED_PRODUCTION • SterilisationTypeCode: Added CHLORINE_DIOXIDE, DRY_HEAT, HIGH_INTENSITY_OR_PULSE_LIGHT, HIGH_LEVEL_DISINFECTANT, LIQUID_CHEMICAL, MICROWAVE_RADIATION, NITROGEN_DIOXIDE, SOUND_WAVES, SUPERCRITICAL_CARBON_DIOXIDE • Updated definition for Component/extension to reflect that it is at the component level.		

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