First Edition, June, 2001

*PKZIP MVS**
*PKZIP VSE**

Messages and Codes Guide
PKMM-V5R0007

ASCENT SOLUTIONS Inc.

ASCENT SOLUTIONS Inc.

9009 Springboro Pike

Miamisburg, Ohio 45342

Support:	**937-847-2687**
Sales:	**937-847-2374**
Fax:	**937-847-2375**
Internet:	**http://www.asizip.com**
E-Mail:	**sales@asizip.com**
	support@asizip.com

First Edition (June, 2001)

PKZIP MVS™, PKZIP OS/400™, and PKZIP VSE™ are just a few of the many members in the PKZIP® family. ASi would like to thank all the individuals and companies, including our customers, resellers, and distributors, who have helped make PKZIP® the most well-known compression tool in the industry.

This edition applies to the following ASi licensed program:

PKZIP MVS™ (Version 5, Release 0, June, 2001)

PKZIP VSE™ (Version 5, Release 0, June, 2001)

Preface

The ***PKZIP***® family of products consists of high performance data compression software. The archives resulting from compression by the PKZIP program can be transported or transmitted to other operating system platforms where they will undergo decompression by PKUNZIP or an acceptable substitute.

About this Manual

This manual provides the information needed to utilize ***PKZIP MVS***™ in an operational environment. It is assumed that persons using this manual have a good understanding of JCL and dataset processing.

Conventions Used in this Manual

Throughout this manual, the following conventions are used:

- The use of the `Courier` font indicates text that may be found in job control language (JCL), parameter controls, or printed output.
- The use of *italics* indicates a value that must be substituted by the user (e.g. a dataset name). It may also be used to indicate the title of an associated manual or the title of a section within this manual.
- Bullets (•) indicate items (or instructions) in a list.
- The use of <angle brackets> in a command definition indicates a mandatory parameter.
- The use of [square brackets] in a command definition indicates an optional parameter.
- A vertical bar (|) in a command definition is used to separate mutually exclusive parameter options or modifiers.

Related Publications

Manuals relating to the ***PKZIP MVS™*** and ***PKZIP VSE™*** products include:

- ***PKZIP MVS™* User's Guide** This provides detailed information on the ***PKZIP®*** product set in OS/390, MVS, or z/390 operating environments. Also provided is a general introduction to data compression and answers to frequently asked questions.

- ***PKZIP MVS™* Installation Guide** This provides information on the installation of the ***PKZIP®*** product set in OS/390, MVS, or z/390 operating environments. Parameters included are JCL, control cards, performance features, and sample job streams.

- ***PKZIP MVS™* & *PKZIP VSE™* Messages and Codes** This provides information on the messages and codes that are displayed on the consoles, printed outputs, and associated terminals.

- ***PKZIP VSE™* User's Guide** This provides detailed information on the ***PKZIP®*** product set in the VSE operating environment. Also provided is a general introduction to data compression and answers to frequently asked questions. Installation instructions may also be found in this manual.

Other manuals relating to the ***PKZIP®*** family of products include:

- ***PKZIP OS/400™* User's Guide**

Related IBM Publications

IBM Manuals relating to the ***PKZIP MVS™*** product include:

- **System Codes** Documents the completion codes issued by the operating system when it uses an ABEND macro to terminate a task or an address space, describes the wait state codes placed in the program status word (PSW) when the system begins a wait state, describes the causes of uncoded wait states, describes the wait state codes placed in the last four bytes of the PSW when the stand-alone dump program enters a wait state, and describes the causes of loops.

- **System Messages** Documents the messages issued by the OS/390 operating system. The descriptions explain why the component issued the message, give the actions of the operating system, and suggest responses by the applications programmer, system programmer, and/or operator.

- **JES2 Messages** Documents the messages issued by the JES2 subsystem. The descriptions explain why the component issued the message, give the actions of the operating system, and suggest responses by the applications programmer, system programmer, and/or operator.

- **JCL User's Guide** Describes the job control tasks needed to enter jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. To perform the tasks, programmers code job control statements. The user's guide assists in deciding how to perform job control tasks.

- **JCL Reference** Describes the job control tasks needed to enter jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. To perform the tasks, programmers code job control statements. The reference guide is designed to be used while coding the statements.

- **Access Methods Services** Documents the functions that are available with Virtual Storage Access Method (VSAM) and describes the IDCAMS commands that can be issued to control VSAM datasets.

- **TSO/E Command Reference** Documents the functions of the TRANSMIT and RECEIVE Command Facility used for the distribution and allocation of ***PKZIP MVS™*** installation libraries.

Contents

Chapter 01 - PKZIP and PKUNZIP Messages

This chapter gives details about the standard messages produced by PKZIP and PKUNZIP. All the messages detailed in this section are written to SYSPRINT, SYSLST, or to the console, depending on the operating system and its configuration.

The first four positions of the message number consist of a prefix and sub-prefix that identify the program and program module generating the message. Some messages can be generated from a number of points in the program logic and thus a single message number (nnn - the numeric identifier) may be prefixed by more than one program and program module identifier.

Message Format

The format of the messages produced by both PKZIP and PKUNZIP is as follows:

ZPbbnnns **<= Text =>** **<= Variables =>**

ZP is the standard prefix for all PKZIP and PKUNZIP messages

bb is a sub-prefix indicating from which program module the message originated. Possible values for these sub-prefixes include:

AM	Archive Manager - processes the input and output archives. Also schedules compression tasks
CE	Compression Engine - performs data compression
CM	Configuration Manager - read and parses control statements and determines eligible files to compress
CO	Compression Manager - reads input files for compression and handles staged data from the compression engine
CS	Common Service - a variety of system services
DA	Dynamic Allocation - manages dynamic allocation routines
EX	Extract Manager - manages UNZIP files and calls decompression
FM	File Manager - various I/O and data management services
GE	General Messages
LI	License Manager - licensing functions
MT	Main Task - PKZIP and PKUNZIP mainlines
TM	Task Manager - Sub-task management
TR	Trace Recording -

nnn is the message number.

s is the severity. The possible values are:

F	Fatal
E	Error
W	Warning
I	Information

Text information specific to the message number and those conditions causing the message to be displayed

Variables values inserted into the message that are unique to the processing conditions occurring at that time. Three types of variable data may be displayed in the formats:

+44+C+	represents 44 Characters (e.g. DSNAME)
+4+D+	represents 4 Decimal digits. (e.g. byte count)
+8+H+	represents 8 Hexadecimal digits (e.g. storage address)

Message Definitions

The messages produced by PKZIP and PKUNZIP are described in the following sections, listed in order by message number.

IEF – System-Related Messages

IEF238D

```
*nn IEF238D jobname - REPLY DEVICE NAME OR 'CANCEL'.

   Explanation:     An attempt was made to create or access a data set on
                    a volume that is not mounted.  The operator is prompted to
                    either supply the device address of the volume, or
                    CANCEL the request.

   System Response: If the operator replies CANCEL, then the request is
                    terminated.  Subsequent processing depends on the type of
                    file (Archive or Output data set) being processed, and
                    processing options requested.

   User Response:   Determine the source of the volume serial being used
                    and correct the commands or JCL involved.

                    See Also:  //SYSPRINT DD output
                               Related messages:  IEF244I, IEF877E, IEF238D

                    Volume information was provided by one of the following:

                    1.  Extended attributes from the original file when
                        the Archive was created.
                    2.  The Defaults module being used (ACZDFLT)
                        Ref:  Installation Guide
                    3.  Command input (EXEC parms, //PARMLIB DD and //SYSIN DD

                    Supply an accessible volume serial or SMS STORCLASS
                    through the appropriate ARCHIVE_xxx or OUTFILE_xxx command

            Note:   By using -SHOW_SETTINGS as the last command in the
                    //SYSIN DD command stream, a determination can be made
                    as to the source of the volume serial.  If the volume
                    does not show under the assocated volume-list for either
                    the Archive or Output file, then the Volume serial
                    came from either the EXEC parm or the internal file
                    attributes in the Archive.

   Invoking module:  Operating System (MVS or OS/390)
```

IEF244I

```
   IEF244I jobname stepname - UNABLE TO ALLOCATE 1 UNIT(S)

   Explanation:     See IEF238D
```

System Response: See IEF238D

User Response: See IEF238D

Invoking module: Operating System (MVS or OS/390)

IEF877E

```
IEF877E jobname NEEDS 1 UNIT(S)
  FOR VIEW ddname
  FOR VOLUME volser
  OFFLINE
  0318-032F 0332 0334-033F 0355-03BE 0A80-0
  :
  OFFLINE, NOT ACCESSIBLE
```

Explanation: See IEF238D

System Response: See IEF238D

User Response: See IEF238D

Invoking module: Operating System (MVS or OS/390)

ZPAM - Archive Manager Messages

ZPAM001C

```
ZPAM001C ... +100+C+

Explanation:     A continuation line from -VIEWDETAIL showing the
                 filename (in internal archive format).
                 Ref: ZPAM001I

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM001I

```
ZPAM001I Filename: +100+C+

Explanation:     A display line from -VIEWDETAIL showing the filename
                 from the archive.  This name has been translated
                 with the translate table specified by
                 -TRANSLATE_TABLE_FILEINFO

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM002I

```
ZPAM002I File type: +6+C+ +17+C+

Explanation:     A display line from -VIEWDETAIL showing the data type
                 of the file being listed.

                 +6+C+ will have one of the following values:
                  "TEXT"   -  File data was translated (possible ASCII).
                  "BINARY" -  File data was not translated.

                 +17+C+ may have the following values:
                  "SAVED_LRECL (RDW)"   -SAVE_LRECL was used during ZIP
                                         processing.  Each record is
                                         prefixed by an RDW containing the
```

length.

System Response: None

User Response: When performing -EXTRACT, -USE_SAVED_LRECL should be specified.

Invoking module: <ACAMVIEW>

ZPAM003I

ZPAM003I Date/Time: +11+C+ +8+C+

Explanation: A display line from -VIEWDETAIL showing the date and conditionally the time (if available) from the ZIP Archive. If created by QuantaZip, this date/time combination is governed by -ARCHIVE_TIMESTAMP.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM004I

ZPAM004I Compression Method: +20+C+

Explanation: A display line from -VIEWDETAIL showing the method of compression used during ZIP processing.
+20+C+ may have one of the following values"

"DEFLATE" - Created by PKZIP 2.04g compatible products (QuantaZip uses this method by default).

"IMPLODE" - Created by pre-2.0 PKZIP compatible products

"STORED" - Data has not been compressed (QuantaZip can use this method)

"REDUCED" - An early method pre-2.0 PKZIP.

"UNRECOGNIZED"

Note: -COMPRESSION_LEVEL can be used in QuantaZip to control this value during ZIP processing. A value of STORE will result in "STORE". All others will result in "DEFLATE".

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM005I

ZPAM005I Compressed Size: +8+D+

Explanation: A display line from -VIEWDETAIL showing the resulting number of bytes after processing the data. This count does not include the Archive directory information.

Note: When the Data Type is "TEXT", record delimiters are added to the records before processing. It is possible that a STORED file byte count can be larger than the original file's byte count.

System Response: Non

User Response: None

Invoking module: <ACAMVIEW>

ZPAM006I

ZPAM006I Uncompressed Size: +8+D+

Explanation: A display line from -VIEWDETAIL showing the resulting byte-count of the data before processing by the compression engine.

Note: When the Data Type is "TEXT", record delimiters are added to the records before processing. The byte count can be larger than the number of data bytes in an EBCDIC data set.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM007I

```
ZPAM007I 32-bit CRC: +8+H+

Explanation:     A display line from -VIEWDETAIL showing the resulting
                 CYCLICAL-REDUNDANCY-CHECK computed by the compression
                 routine.

System Response: This value will be used during -TEST and -EXTRACT
                 processing to validate the integrity of the data.

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM008I

```
ZPAM008I Created by: +10+C+ +4+C+ {PKZIP 2.x Compatible}

Explanation:     A display line from -VIEWDETAIL showing the product
                 and release level detected as the creating ZIP product.

                 The values for product include:

                  "PKZIP      " (a general PKZIP product)
                  "PKZIP MVS  " A product of ASI
                  "PKZIP VSE  " A product of ASI
                  "PKZIP OS400" A product of ASI

                 The values for release reflect the "PKZIP" release
                 saved in the archive directory.

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM009I

```
ZPAM009I Needed to extract: +20+C+

Explanation:     A display line from -VIEWDETAIL describing the expected
                 product release level required to extract this file.
                 (It is specified in general "PKUNZIP" release terms and
                  specifies the release as saved in the archive directory
                  entry).
```

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM010I

ZPAM010I Encryption: ON/OFF

Explanation: A display line from -VIEWDETAIL indicating whether encryption was used on the file.
-PASSWORD during ZIP processing controls whether this flag is set in the Archive directory for the file.

System Response: None

User Response: During -EXTRACT or -TEST processing, the correct case-sensitive password must be provided.

Invoking module: <ACAMVIEW>

ZPAM011C

ZPAM011C ... +80+C+

Explanation: A continuation line for ZPAM011I

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM011I

ZPAM011I Comment: +80+C+

Explanation: A display line from -VIEWxxxCOMMENT showing a saved comment for the Zip related Zip file. This comment may have been placed in the Archive directory entry by another PKZIP-compatible product.

See also: ZPAM012I regarding a Zip Archive comment.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM012C

ZPAM012C ... +80+C+

Explanation: A display line from -VIEWxxx showing a saved ARCHIVE comment. (A continuation of ZPAM012I)

System Response: None

User Response: -ARCHIVE_COMMENT allows a QuantaZip for OS/390 user to specify an Archive comment.

Invoking module: <ACAMVIEW>

ZPAM012I

ZPAM012I ... +80+C+

Explanation: A display line from -VIEWxxx showing a saved ARCHIVE comment. (This is a comment that is stored for the entire Archive, as opposed to an individual file in the Archive).

See also: ZPAM011I regarding a Zip File comment.

System Response: None

User Response: -ARCHIVE_COMMENT allows a QuantaZip for OS/390 user to specify an Archive comment.

Invoking module: <ACAMVIEW>

ZPAM013I

ZPAM013I **

Explanation: A -VIEWDETAIL report separator.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM015I

ZPAM015I Length Method Size Ratio Date Time CRC-32 Name

Explanation: -VIEW header line.

LENGTH - UNCOMPRESSED size (see ZPAM006I)
METHOD - Compression Method (see ZPAM004I)
SIZE - Reflects COMPRESSED size (see ZPAM005I)
RATIO - Data compression ratio
DATE/TIME (as stored in Archive, see ZPAM003I)
CRC-32 - Integrity check value. (see ZPAM007I)
Name - Zip file name. (see ZPAM001I)

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM016I

ZPAM016I ------------ ------------ ------------ ----- ---------- -----

Explanation: -VIEW header separator line.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM017C

ZPAM017C +121+C+

Explanation: -VIEW data line continuation.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM017I

ZPAM017I +121+C+

Explanation: -VIEW data line. See ZPAM015I for column header info.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM018I

ZPAM018I ------------ ------------ -----

Explanation: -VIEW trailer

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM019I

ZPAM019I +45+C+

Explanation: -VIEW summary line with counts and overall percentage.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM020I

ZPAM020I Length Method Size Ratio Date Time Name

Explanation: -VIEWBRIEF header line.
See ZPAM015I header descriptions.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM021I

ZPAM021I ------------ ------------ ------------ ----- ---------- -----

Explanation: -VIEW separator line.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM030I

ZPAM030I Output Archive opened: +80+C+

Explanation: During ZIP processing, the indicated output Archive
was successfully opened.

System Response: None

User Response: None

Invoking module: <ACAMGR>
Invoking module: <ACAMVIEW>

ZPAM034T

ZPAM034T ARCHIN FMCB created: +8+H+ for +80+C+

Explanation: Problem analysis.
When the input Archive file is determined, a
File Management Control Block is built to describe it.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM035E

ZPAM035E ARCHOUT Archive DCB information missing/mismatch in DD +8+C+

Explanation: An abend 013-34 was detected on the open of the output archive.

System Response: The execution is aborted.

User Response:
- See the JOBLOG messages for IEC141I.
- Reference IBM OS/390 MVS System Messages manual.
- Correct the DCB specifications relating to the output Archive.

Invoking module: <ACAMGR>

ZPAM036E

ZPAM036E //+8+C+ Open Failure for archive. Check joblog for additional

Explanation: The open for the output Archive dataset failed.

System Response: The execution is aborted.

User Response: Check the JOBLOG for operating system messages relating to the open failure.

Invoking module: <ACAMGR>

ZPAM037E

ZPAM037E -STAGE_TAPE_ON_DISK could not be performed. DYNALLOC DARC=+4+C+

Explanation: An attempt was made to copy the input Archive to a temporary disk file before processing.

The allocation of the file failed.

System Response: The copy of the file is terminated. Processing continues with the original input Archive.
A minimal return code of 4 will be generated for the step.

User Response:
- Determine the reason for the allocation failure.
- For information about dynamic allocation reason codes, see the IBM OS/390 MVS Programming: Authorized

```
                 Assembler Services Guide.
                -Check the SYSPRINT messages for other dynamic allocation
                 error messages (ZPDA....).

Invoking module:  <ACAMGR>
```

ZPAM038E

```
ZPAM038E -STAGE_TAPE_ON_DISK could not be performed. I/O error during


Explanation:     An attempt was made to copy the input Archive to
                 a temporary disk file before processing.

                 The write to the file failed.

System Response: The copy of the file is terminated.  Processing continues
                 with the original input Archive.
                 A minimal return code of 4 will be generated for the step.

User Response:  -Determine the reason for the write failure.
                -Check the JOBLOG for operating system messages relating
                 to the file (e.g. x37 abends due to insufficient space).
                -Specify modified -TEMPxxxx commands as appropriate
                 or use the //ARCHTEMP DD statement to provide allocation
                 information for the temporary Archive dataset.

Invoking module:  <ACAMGR>
```

ZPAM039I

```
ZPAM039I -STAGE_TAPE_ON_DISK copy to //ARCHTEMP completed.

Explanation:     An request was made to copy the input Archive to
                 a temporary disk file before processing, or dynamically
                 invoked for 3400-tape processing to improve performance.

                 The copy of the file was successful.

System Response: Input Archive operations will continue with the disk-copy
                 of the Archive.

User Response:   None.

Invoking module:  <ACAMGR>
```

ZPAM050I

ZPAM050I GZIP Header: +8+H++8+H++4+H+

Explanation: needed

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM060T

ZPAM060T Work Directive: +80+C+

Explanation: An internal trace entry showing a work request being posted to the Archive Manager.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM070T

ZPAM070T Processing FILE_SELECT_QUEUE {+52+C+}

Explanation: An internal trace entry showing a dataset being processed.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM071T

ZPAM071T Processing OLD_FILE_QUEUE {+52+C+}

Explanation: An internal trace entry showing a dataset being processed.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM080I

ZPAM080I Passed MVS Dataset Name has no matching -ZIPPED_DSN table entry

Explanation: During ZIP processing, the filename conversion routine detected a mismatch in looking up filename comparisons via the -ZIPPED_DSN command.

System Response: Continued processing will be attempted with the name information provided in the archive. Minimal name translation will be provided.

User Response: Review the -ZIPPED_DSN (or equivalent alias command) to ensure that a match will occur with the ZIP files contained in the archive.

Invoking module: <ACAMGR>

ZPAM081I

ZPAM081I Passed MVS DSN format is invalid: {+54+C+}

Explanation: During ZIP processing, the filename conversion routine detected a miscoded DSNAME format.

System Response: Continued processing will be attempted, although error conditions arising from a failed name translation may terminate processing for the associated file.
See also: ZPAM081W

User Response: Review the -ZIPPED_DSN (or equivalent alias command) to ensure that a match will occur with the ZIP files contained in the archive.

Invoking module: <ACAMNIA>

ZPAM081W

ZPAM081W Problem in generating -EXTRACT name {+54+C+}

Explanation: During UNZIP processing, a problem was detected in the

routines that convert the ZIP filename to an name that is valid for the operating system.

System Response: Processing of the current file is stopped. Processing of the entire run is governed by the value set in -ON_FILE_ACCESS_ERROR.

User Response: Review the utility output messages for an indication of the filename translation problem.

Invoking module: <ACAMGR>

ZPAM082I

ZPAM082I Invalid -ZIPPED_DSN statement given: {+80+C+}

Explanation: During ZIP processing, the filename conversion routine detected a miscoded format in the command.

System Response: Continued processing will be attempted, although error conditions arising from a failed name translation may terminate processing for the associated file.

User Response: Review the -ZIPPED_DSN (or equivalent alias command) to ensure that it is correctly coded.

Invoking module: <ACAMNIA>

ZPAM083I

ZPAM083I Passed -ZIPPED_DSN Archive Name invalid: {+80+C+}

Explanation: During ZIP processing, the filename conversion routine detected a miscoded command.

System Response: Continued processing will be attempted, although error conditions arising from a failed name translation may terminate processing for the associated file.

User Response: Review the -ZIPPED_DSN (or equivalent alias command) to ensure that the Archive Name parameter of the command is of the proper format.

Invoking module: <ACAMGR>

ZPAM084I

ZPAM084I Passed DSN PDS Name is greater then 8 characters: {+54+C+}

Explanation: needed

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM085W

ZPAM085W EXTRACT bypassed.

Explanation: needed

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM086W

ZPAM086W EXTRACT attempt of input archive to itself.

Explanation: A request was made to perform -EXTRACT of a ZIP file that would result in the input Archive itself being overwritten.

System Response: Bypass the requested file.

User Response: Ensure that the target file is not the active input Archive.

Invoking module: <ACAMGR>

ZPAM087C

ZPAM087C File not extracted: +54+C+

Explanation: This is the target filename that was bypassed. (see ZPAM097W)

System Response: Info only.

User Response: see ZPAM087W

Invoking module: <ACAMGR>

ZPAM087W

ZPAM087W SAFETYEX filtered out EXTRACT {+80+C+}

Explanation: The installation-tailorable -EXTRACT "safety" table has an entry that prevented the target file from being written to.

System Response: Bypass the requested file.

User Response: Contact the installation-support staff representative at your installation for information regarding the table entries. If the entry is desired to be removed, edit the SAFETYEX source and re-assemble the table into the product load library.
Otherwise, EXTRACT the file to a temporary work location and copy the data to the target with another utility.

Invoking module: <ACAMGR>

ZPAM088E

ZPAM088E TEMPFILE Allocation error FMCB: +8+H+ +54+C+

Explanation: Archive Manager processing error indication.

Allocation of the TEMPFILE spill dataset failed.

System Response: None

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
If necessary, use -TRACE_DYNALLOC(I) to obtain system IKJ (DYNALLOC) messages.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Note: If -MULTI_THREAD_LIMIT(1) is specified, then //TEMPFILE DD may be specified in the JCL to provide the spill storage space.
DCB=(DSORG=PS,RECFM=U,LRECL=27998,BLKSIZE=27998)

Unpredictable results will occur if
-MULTI_THREAD_LIMIT is greater than 1 and
//TEMPFILE is used.

Invoking module: <ACAMGR>

ZPAM089E

ZPAM089E TEMPFILE Open/Read/Write error FMCB: +8+H+ +54+C+

Explanation: Archive Manager processing error indication.

I/O to the TEMPFILE spill dataset failed.

System Response: None

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
If necessary, use -TRACE_DYNALLOC(I) to obtain system IKJ (DYNALLOC) messages.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Note: If -MULTI_THREAD_LIMIT(1) is specified, then

//TEMPFILE DD may be specified in the JCL to provide the spill storage space.
DCB=(DSORG=PS,RECFM=U,LRECL=27998,BLKSIZE=27998)
Unpredictable results will occur if
-MULTI_THREAD_LIMIT is greater than 1 and
//TEMPFILE is used.

Invoking module: <ACAMGR>

ZPAM091W

ZPAM091W Nothing to do! File selection did not match any files in Archive.

Explanation: No files were selected from the Archive for processing.

1. This can be the result of the requested file selection specification not matching any of the ZIP files in the selected Archive.

2. Although files may have been matched in the Archive,

they were filtered out or bypassed for other reasons.

System Response: Processing terminates.

User Response:
1. Check the SYSPRINT messages for reasons of files being bypassed.
2. Use -VIEW to ensure that the Archive has the expected files on it.
3. Check the spelling of the file selection statements.

Invoking module: <ACAMGR>

ZPAM092E

ZPAM092E Nothing to do!

Explanation: During ZIP processing, the requested action (along with files specified for processing) did not result in any files being identified for processing.

1. For a -ACTION(DELETE) the requested ZIP files were not found on the Archive.

2. For -ACTION(ADD/UPDATE/FRESHEN) the requested files were either not found, or were bypassed for processing.

System Response: Processing terminates.
The input Archive (if any) remains unchanged.

User Response:
1. Check the SYSPRINT messages for reasons of files being bypassed.
2. Use -VIEW to ensure that the Archive has the expected files on it (DELETE/FRESHEN/UPDATE)
3. Check the system catalog to ensure that the intended files are available.
4. Check the spelling of the file selection statements.

Invoking module: <ACAMGR>

ZPAM093W

ZPAM093W No files match selection. Initializing/Copying to ARCHIVE OUTFILE(ddname)

Explanation: See also: ZPAM091W
When a ZIP operation results in no files being selected for processing AND the input archive is specified via -ARCHIVE_INFILE, an implicit copy operation of the Archive will be performed.

System Response: An attempt will be made to copy the input Archive to the output Archive.

User Response: See also: ZPAM091W

Invoking module: <ACAMGR>

ZPAM100I

ZPAM100I Archive Manager Task {+3+D+} TCB: +8+H+ Started.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued upon the startup of the Archive Manager sub-task.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM101I

ZPAM101I Archive Manager Task {+3+D+} TCB: +8+H+ shutdown begun.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued when the shutdown of the Archive Manager sub-task is begun.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM109I

ZPAM109I Archive Manager Task {+3+D+} TCB: +8+H+ shutdown complete.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued when the Archive Manager shutdown process is complete. This will not occur until all compression and extraction sub-tasks have shutdown.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM150E

ZPAM150E GZIP processing will not update an existing archive.

Explanation: When -GZIP is specified, a new Archive must be created.
An existing ZIP Archive cannot be updated with -GZIP.

System Response: Processing terminates.

User Response: Specify a new filename for the Archive, or update
it with standard ZIP Archive format.

Invoking module: <ACAMGR>

ZPAM151E

ZPAM151E Input Archive in GZIP format cannot be updated.

Explanation: When -GZIP is specified, a new Archive must be created.
Updating an existing GZIP Archive is not supported.

System Response: None

User Response: Specify a new filename for the Archive.

Invoking module: <ACAMGR>

ZPAM152I

ZPAM152I Compressed size: X"+8+H++8+H+", Uncompressed size: X"+8+H++8+H+"

Explanation: When a GZIP -ADD function is completed, this message
is issued to display the compression results.
Byte counts are displayed in Hexadecimal due to the
large file sizes possible (> 4 Gig)

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM180C

ZPAM180C {+110+C+}

Explanation: Continuation for message ZPAM180I

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM180I

ZPAM180I UNIX Dataset Name has no matching -UNZIPPED_DSN entries.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message can be issued if the Archive file being processed did not match any of the UNZIPPED_DSN specifications (if any).

System Response: The system continues to translate the filename with according to rules that do not include UNZIPPED_DSN values.

User Response: Ensure the desired name was built and provide an appropriate UNZIPPED_DSN command if necessary.

Invoking module: <ACAMGR>

ZPAM181C

ZPAM181C {+110+C+}

Explanation: Continuation of ZPAM181E

System Response: see ZPAM181E

User Response: see ZPAM181E

Invoking module: <ACAMGR>

ZPAM181E

ZPAM181E ZIPPED_DSN(parm1,...) is invalid: {+82+C+}

Explanation: During UNZIP processing the ZIP Filename was being translated to operating-system format and specifications from UNZIPPED_DSN were being examined to map a new name. An invalid first parameter was detected (shown +82+C+).

System Response: Translation of the current file name stops.

User Response: Correct the coding of the UNZIPPED_DSN command.

Invoking module: <ACAMHLQ>

ZPAM182E

ZPAM182E Invalid -UNZIPPED_DSN statement given: {+80+C+}

Explanation: A syntax error was detected in the specified command.

System Response: Translation of the current file name stops.

User Response: Correct the coding of the UNZIPPED_DSN command.

Invoking module: <ACAMGR>

ZPAM183E

ZPAM183E -UNZIPPED_DSN(..., parm2) Name is invalid: {+54+C+}

Explanation: During UNZIP processing the ZIP Filename was being translated to operating-system format and specifications from UNZIPPED_DSN were being examined to map a new name. An invalid second parameter was detected (shown +54+C+).

System Response: Translation of the current file name stops.

User Response: Correct the coding of the UNZIPPED_DSN command.

Invoking module: <ACAMGR>

ZPAM184E

ZPAM184E Inconsistency in command requests

Explanation: During UNZIP processing the ZIP Filename was being translated to operating-system format and specifications from UNZIPPED_DSN were being examined to map a new name.

The utility detected that the requested UNZIPPED_DSN specification would result in an illogical DSNAME being built. For example, in OS/390 a PDS name without a member would result.

System Response: Translation of the current file name stops.

User Response: Correct the coding of the UNZIPPED_DSN command.

Invoking module: <ACAMGR>

Explanation: During UNZIP processing the ZIP Filename was being translated to operating-system format and specifications from UNZIPPED_DSN were being examined to map a new name. An invalid first parameter was detected (shown +82+C+).

System Response: Translation of the current file name stops.

User Response: Correct the coding of the UNZIPPED_DSN command.

Invoking module: <ACAMHLQ>

ZPAM201E

ZPAM201E Load of Data Translate table {+8+C+} Failed.

Explanation: The Load Module as indicated in +8+C+ could not be loaded. The -TRANSLATE_TABLE_DATA controls which load module is to be loaded.

System Response: Processing terminates.

User Response: Ensure that the correct translate table as specified by -TRANSLATE_TABLE_DATA is accessible (e.g. STEPLIB). Contact the person responsible for installation to ensure that the translate table is available on your system.

Invoking module: <ACAMGR>

ZPAM202E

ZPAM202E Load of File Translate table {+8+C+} Failed.

Explanation: The Load Module as indicated in +8+C+ could not be loaded.

The -TRANSLATE_TABLE_FILEINFO controls which load module is to be loaded. This table is required to translate the ZIP Filename(s).

System Response: Processing terminates.

User Response: Ensure that the correct translate table as specified by -TRANSLATE_TABLE_FILEINFO is accessible (e.g. STEPLIB). Contact the person responsible for installation to ensure that the translate table is available on your system.

Invoking module: <ACAMGR>

Explanation: needed

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM212T

ZPAM212T ZIP header extended field {+4+H+} +40+C+

Explanation: This is a Tech-support tracing message that assists in debugging extended information about a Zip File within an Archive.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM251I

ZPAM251I Bypassing File +54+C+

Explanation: Multiple files were requested that would resolve to the same Zip Filename. Only the first file will be placed into the Archive. All others will be ignored

System Response: Bypass the file and continue with additional requests.

User Response: Ensure that when selecting multiple files (or members) and using the -NOPATH or -ZIPPED_DSN commands that

duplications will not result in the output archive.

Invoking module: <ACAMGR>

ZPAM252C

ZPAM252C ... +100+C+

Explanation: Continuation of ZPAM252I

System Response: See related message.

User Response: See related message.

Invoking module: <ACAMGR>

ZPAM252I

ZPAM252I +9+C+ File +100+C+

Explanation: The file +100+C+ is not being processed for output.
+9+C+ gives an indication of the reason why.
"DELETED" - The file is being logically deleted.
"DUPLICATE" - This is a duplicate filename with another file being processed.

System Response: The file is not processed to the output Archive.

User Response: None

Invoking module: <ACAMGR>

ZPAM253I

ZPAM253I +9+C+ File +54+C+

Explanation: ZIP processing has completed for the file specified by +54+C+. The type of action completed (e.g. ADD/FRESHEN) is shown in +9+C.

See additional information messages relating to the ZIP completion (ZPAM254I and ZPAM255I).

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM254I

ZPAM254I as +80+C+

Explanation: ZIP processing has completed for the file specified in message ZPAM253I. This message reflects the name generated inside the archive.

Note: The name shown here is an EBCDIC translation of the name actually stored in the Archive, since file information is stored in an ASCII format for cross-platform compatibility. (see -TRANSLATE_TABLE_FILEINFO command)

System Response: None

User Response: None

Note: Commands that can affect the generation of this name include: PATH/NOPATH, ZIPPED_DSN, ZIPPED_DSN_SEPARATOR

Invoking module: <ACAMGR>

ZPAM255I

ZPAM255I (+8+C+ +2+C+%/+2+C+%)

Explanation: ZIP processing has completed for the file specified in message ZPAM253I. This message reflects the type of compression used (STORED/DEFLATE) and the percentage of data compression achieved.

Two percentages of data compression are computed.

The first number reflects the data compression engine results alone (total bytes input and output to the engine)

The second number takes into account additional record control information added (e.g. CRLF for text or RDW for BINARY) or characters stripped (-STRIP_CHAR) before the data is fed to the compression engine. This number may more closely represent compression relative to the actual input file.

The percentages only represent data compression levels. They do not take into account Archive space overhead

associated with the file. For example: Local and Central directory, extended file attributes (-SAVE_FILE_ATTRIBUTES), filenames, and comments (-ARCHIVE_COMMENT).

Note: When -SIMULATE is active, the compression engine is bypassed, and percentages will read "0%/ 0%".

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM256W

ZPAM256W +9+C+ request failed for +54+C+

Explanation: ZIP processing failed for the file specified by +54+C+. The type of action completed (e.g. ADD/FRESHEN) is shown in +9+C.

See additional messages relating to the ZIP process prior to ZPAM256W

System Response: Processing continues depending on the values set for ON_FILE_ACCESS_ERROR and ON_FILE_IO_ERROR and the type of error encountered.

User Response: See additional messages relating to the ZIP process prior to ZPAM256W to assist in resolving the problem. Set ON_FILE_ACCESS_ERROR and ON_FILE_IO_ERROR to TOLERATE or IGNORE if you desire other datasets to be processed.

Invoking module: <ACAMGR>

ZPAM291T

ZPAM291T ARCHIVE Rename {+54+C+}

Explanation: When a ZIP process specifies a -ARCHIVE_DSN that already exists, a new temporary Archive is written until end of processing. When the temporary Archive has been built successfully, the old input Archive of the same name is deleted, and the new temporary Archive is renamed to the original DSNAME.

+54+C+ represents the temporary name being renamed.

See also: ZPAM292T

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM292T

ZPAM292T to {+54+C+}

Explanation: When a ZIP process specifies a -ARCHIVE_DSN that already exists, a new temporary Archive is written until end of processing. When the temporary Archive has been built successfully, the old input Archive of the same name is deleted, and the new temporary Archive is renamed to the original DSNAME.

+54+C+ represents the target (or original) DSN.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM301I

ZPAM301I File Type: +40+C+

Explanation: -VIEWDETAIL was requested. This detail line shows information regarding the File Type. (e.g. PDS, VSAM).

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM302I

ZPAM302I File PDS Directory Blocks: +10+C+

Explanation: -VIEWDETAIL was requested. This detail line shows the number of PDS directory blocks that had been

allocated for the file (only if DSORG=PO).

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM303I

ZPAM303I File Record Format: +40+C+

Explanation: -VIEWDETAIL was requested. This detail line shows NONVSAM RECFM (e.g. FB = Fixed Block)

System Response: None

User Response: See also: IBM DFSMS Using Datasets "Record Format"

Invoking module: <ACAMVIEW>

ZPAM304I

ZPAM304I File Allocation Type: +80+C+

Explanation: -VIEWDETAIL was requested. This detail line shows space allocation used for the file (e.g. CYK, TRK).

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM305I

ZPAM305I File Primary Space Allocated: +80+C+

Explanation: -VIEWDETAIL was requested. This detail line shows the Primary Space for the File.

System Response: None

User Response: See also: ZPAM304I

Invoking module: <ACAMVIEW>

ZPAM306I

```
ZPAM306I File Secondary Space Allocated: +80+C+

Explanation:     -VIEWDETAIL was requested.  This detail line shows
                 the Secondary Space for the File.

System Response: None

User Response:   See also:  ZPAM304I and ZPAM305I

Invoking module:  <ACAMVIEW>
```

ZPAM307I

```
ZPAM307I File Record Size: +80+C+

Explanation:     -VIEWDETAIL was requested.  This detail line shows
                 the LRECL of the file.

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM308I

```
ZPAM308I File Block Size: +80+C+

Explanation:     -VIEWDETAIL was requested.  This detail line shows
                 the BLKSIZE for the File.

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM309C

```
ZPAM309C ... +100+C+
```

Explanation: -VIEWDETAIL was requested. This detail line shows the volumes used for the File. Up to 31 volumes can be specified, so message ZPAM309C (continuation) may follow.

System Response: None

User Response: See also: ZPAM309I

Invoking module: <ACAMGR>

ZPAM309I

ZPAM309I File Volume(s) Used: +80+C+

Explanation: -VIEWDETAIL was requested. This detail line shows the volumes used for the File. Up to 31 volumes can be specified, so message ZPAM309C (continuation) may follow.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM310I

ZPAM310I File Creation Date: +12+C+

Explanation: -VIEWDETAIL was requested. This detail line shows the date stored in the Archive for the related file. If available from the source-system at ZIP time, the Creation Date is obtained either from the VTOC or the system catalog.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM311I

ZPAM311I File Referenced Date: +12+C+

Explanation: -VIEWDETAIL was requested. This detail line shows the date stored in the Archive for the related file. If available from the source-system at ZIP time, this Date is obtained either from the VTOC or the system catalog.
Note: This information may not have been available in the operating environment if SMS was not in control of the file at ZIP time.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM312I

ZPAM312I File PDS Extended Directory Information: +10+C+

Explanation: -VIEWDETAIL was requested. This detail line shows PDS directory information that is dependent on the type of PDS or PDSE being processed.
The information displayed is in HEX dump format as presented by the operating system according to the specific member type.
Different formats are used by IBM for ISPF statistics and Load modules.

System Response: None

User Response: For additional information regarding PDS directory information, reference IBM DFSMS Using Datasets "Processing the PDS Directory".

Invoking module: <ACAMGR>

ZPAM313I

ZPAM313I PDS member TTRKZC: +12+C+

Explanation: -VIEWDETAIL was requested. This detail line shows PDS directory control information relating to the member. This information is used during EXTRACT processing to reconstruct member data.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM314I

ZPAM314I Member Alias: +8+C+

Explanation: -VIEWDETAIL was requested. This detail line shows that a member alias was defined for a PDS member and that -PROCESS_ALIAS(Y) was specified.
When -PROCESS_ALIAS(Y) is specified during EXTRACT processing, the member ALIAS entries will be re-built for the associated member.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM331I

ZPAM331I VSAM Cluster +80+C+

Explanation: A display line from -VIEWDETAIL showing various VSAM CLUSTER-level file attributes.

```
ZPAM331I VSAM Cluster Type: NUMBERED
ZPAM331I VSAM Cluster Catalog Name: CATALOG.TSO.USERCAT
ZPAM331I VSAM Cluster Erase: ERASE
ZPAM331I VSAM Cluster Format: NUMBERED
ZPAM331I VSAM Cluster Free CI Space %: 33
ZPAM331I VSAM Cluster Free CA Space %: 10
ZPAM331I VSAM Cluster Key Length: 4
ZPAM331I VSAM Cluster Key Position:  0
ZPAM331I VSAM Cluster Ordered: UNORDERED
ZPAM331I VSAM Cluster Avg. Record Size: 80
ZPAM331I VSAM Cluster Max. Record Size: 100
ZPAM331I VSAM Cluster Recovery/Speed: RECOVERY
ZPAM331I VSAM Cluster Spanned: NONSPANNED
```

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM332C

```
ZPAM332C ... +100+C+

Explanation:     This line is a continuation of ZPAM332I when more than
                 one line is needed (e.g. many volumes in a volume list).

System Response: None

User Response:   None

Invoking module:  <ACAMVIEW>
```

ZPAM332I

```
ZPAM332I VSAM Data +80+C+

Explanation:     A display line from -VIEWDETAIL showing various
                 VSAM DATA-level file attributes.

                 ZPAM332I VSAM Data    Name: TEST.RRDS.DATA
                 ZPAM332I VSAM Data    Type Space: CYL
                 ZPAM332I VSAM Data    Primary Space: 5
                 ZPAM332I VSAM Data    Secondary Space: 2
                 ZPAM332I VSAM Data    Buffer Space: 24576
                 ZPAM332I VSAM Data    CI Size: 8192
                 ZPAM332I VSAM Data    Reuse: REUSE
                 ZPAM332I VSAM Data    Share Options: 1,3

System Response: None

User Response:   None

Invoking module:  <ACAMGR>
```

ZPAM333I

```
ZPAM333I VSAM Index +80+C+

Explanation:     A display line from -VIEWDETAIL showing various
                 VSAM INDEX-level file attributes.

                 ZPAM333I VSAM Index   Name: MAS01.TEST.RRDS.INDEX
                 ZPAM333I VSAM Index   Type Space: TRK
                 ZPAM333I VSAM Index   Primary Space: 6
                 ZPAM333I VSAM Index   Secondary Space: 3
                 ZPAM333I VSAM Index   CI Size: 8192
                 ZPAM333I VSAM Index   Reuse: REUSE
```

```
                ZPAM333I VSAM Index   Share Options: 1,3
                ZPAM333I VSAM Index   Volume: TSO001
```

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM390E

ZPAM390E No files matched View selection.

Explanation: -VIEW was requested with a file selection list, but none of the files in the Archive match, OR, the Zip Archive is empty.

System Response: None

User Response: None

Invoking module: <ACAMRPT>

ZPAM400E

ZPAM400E Error in VIEW processing +32+C+

Explanation: A -VIEW action was requested, but processing could not be completed for the request. This error is typically associated with an attempt to invoke system SORT for the report. If the SORTIN SORTOUT work files cannot be opened, or the system SORT fails for any reason, this message will be issue.

System Response: The -VIEW report is not created.

User Response: Look for other messages in the JOBLOG or SYSPRINT for a reason leading up to the failure.

Invoking module: <ACAMRPT>

ZPAM800I

ZPAM800I +80+C+

Explanation: "Archive in GZIP Format" is displayed with this message during a -VIEW request and a GZIP header was detected for the Archive.

System Response: None

User Response: None

Invoking module: <ACAMVIEW>

ZPAM900T

ZPAM900T +121+C+

Explanation: This is a generalized trace message for the Archive Manager component of PKZIP/PKUNZIP and will contain program-dependent information for ASi Product Support.

System Response: None

User Response: None

Invoking module: <ACAMGR>

ZPAM911E

ZPAM911E The designated input Archive is not a valid ZIP Archive.

Explanation: The Archive Manager opened the specified input Archive file, but determined that the file is not an Archive.

A standard ZIP Archive will always start with X'504B'
A GZIP Archive will start with X'1F8B'

System Response: Processing is terminated.

User Response: Determine whether the specified archive should be valid.

Invoking module: <ACAMGR>

ZPAM912E

ZPAM912E An error occurred attempting to locate the beginning of the Central Directory.

Explanation: The Archive Manager opened the specified input Archive

file, but was unable to locate the Central Directory
at the end of the file.
This can occur if the Archive has been truncated during
a data transmission from one system to another.

Note: The Central Directory begins with either
X'504B0102' or X'504B0506' (when the Archive
is empty).

System Response: Processing is terminated.

User Response: Determine whether the file has been truncated.

Invoking module: <ACAMGR>

ZPAM913E

ZPAM913E An error occurred attempting to process the Central Directory.

Explanation: The Archive Manager opened the specified input Archive
file and located the Central Directory, but could not
process it to completion.
This can occur if the Archive has been truncated during
a data transmission from one system to another.

Note: The Central Directory begins with either
X'504B0102' or X'504B0506' (when the Archive
is empty).

System Response: Processing is terminated.

User Response: Determine whether the file has been truncated.

Invoking module: <ACAMGR>

ZPAM914E

ZPAM914E An error occurred attempting to locate a Local Directory entry.

Explanation: The Archive Manager was reading through the input Archive
by using offsets and lengths according to other directory
entries. A Local Directory Header was expected at a
specific offset in the file, but the eye-catcher was not
present there.

Note: The Local Directory begins with X'504B0304'

System Response: Processing is terminated.

User Response: Determine whether the file has been truncated.

Invoking module: <ACAMGR>

ZPAM915E

ZPAM915E Central Directory signature mismatch.

Explanation: The Archive Manager opened the specified input Archive file, located the Central Directory and began reading through the entries. Each entry should begin with the documented eye-catcher, but the data did not match. This can occur if the Archive has been truncated during a data transmission from one system to another.

Note: The Central Directory begins with either X'504B0102' or X'504B0506' (when the Archive is empty).

System Response: Processing is terminated.

User Response: Determine whether the file has been truncated or appended.

Invoking module: <ACAMGR>

ZPAM931W

ZPAM931W An invalid extended attribute was detected. Some attributes are ignored.

Explanation: While processing the Archive Directory information, descriptive file information (e.g. space allocation) was being parsed. (ZIP had been run with -SAVE_FILE_ATTRIBUTES(Y)). During EXTRACT processing, this information can be used (-USE_FILE_ATTRIBUTES(Y)) to re-allocate the file.

One or more extended attributes were not recognized, or of an unsupported format to be used.

System Response: The reading of extended file attributes for the specified file may be incomplete. Processing continues with known values.

User Response: If an EXTRACT was performed and PKUNZIP dynamically allocated the file for output, verify that the file attributes are acceptable. If not, re-run with OUTFILE_xxx commands to set the attributes correctly, or pre-allocate the file.

Run -VIEWDETAILS to assess which attributes are correct
or missing.

Invoking module: <ACAMGR>

ZPAM999E

ZPAM999E INVALID INTERNAL DIRECTIVE: +80+C+

Explanation: An internal program error was detected.

System Response: Processing is terminated.

User Response: Please contact the Product Services Division
at 1-937-847-2687 for assistance. Provide the
SYSPRINT output from the job.

Invoking module: <ACAMGR>

ZPCE - Compression Engine Messages

ZPCE060T

ZPCE060T Work Directive: +80+C+

Explanation: This is a technical-support trace message from the compression engine.

System Response: None

User Response: None

Invoking module: <ACCOZIP>

ZPCE201I

ZPCE201I Memory Shortage, medium memory model selected

Explanation: The compression engine detected that a virtual storage threshold was reached and switched from "Large" to "medium".

System Response: An attempt is made to continue processing with smaller buffers.

User Response: Specify a larger REGION (MVS) or Partition (VSE) size.

Invoking module: <ACCOZIP>

ZPCM - Configuration Manager Messages

ZPCM000I

ZPCM000I Simulation Mode has been selected for action +8+C+

Explanation: The specified action was requested to be performed in simulation mode (via the -SIMULATE command). Various I/O activity and compression/decompression activities will be bypassed for actions including ADD, FRESHEN, UPDATE and EXTRACT. Other actions will operate normally.

-SIMULATE is useful when attempting to see what filenames will be selected for processing, and to what target names they will be extracted with various command options (e.g. -NOPATH, -ZIPPED_DSN, etc).

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM001E

ZPCM001E Invalid ACZDFLT value PARMLIB_DSNAME_ZIP{+54+C+}

Explanation: The Configuration Manager was reading the active defaults module and detected that the dataset name specified does not conform to MVS dataset naming conventions.

Note: If the execution has specified a defaults module other than ACZDFLT (via -DM EXEC PARM), then that module should be examined.

System Response: The execution is terminated.

User Response: The product installer should correct the value before another execution is attempted, or a different defaults module should be specified.

Invoking module: <ACCMGR>

ZPCM002E

ZPCM002E //PARMLIB DATASET NOT FOUND: {+54+C+}

Explanation: The DSNAME specified in the defaults module could not be found. This file is dynamically allocated when the //PARMLIB (or //CONFIG) statement is not provided at execution time.

System Response: Initialization is terminated.

User Response: The product installer should correct the value before another execution is attempted, or a different defaults module should be specified.
The user may also specify a //PARMLIB DD statement as an override.

Invoking module: <ACCMGR>

ZPCM003E

ZPCM003E Command line exceeds 256 characters

Explanation: The total number of continued command lines exceeds the programmed limit of 256 characters.
An individual control statement consists of a control segment which is constructed from multiple input lines with continuation characters (with suffixed blanks having been removed), and is delimited by either record end, or ";" if multiple commands per line are specified.

System Response: Initialization is terminated.

User Response: Reduce the number of continuation lines in the command.

Invoking module: <ACCMGR>

ZPCM004E

ZPCM004E An unrecognized command was found in +8+C+

Explanation: The command specified in the DD statement or EXEC parm was not found in the valid commands table.

System Response: Initialization is terminated. The invalid command is listed in the line following ZPCM004E.

User Response: Check the spelling of the command.

Invoking module: <ACCMGR>

ZPCM005E

ZPCM005E An invalid value was specified for +40+C+

Explanation: Each command has a valid set of value formats. This command was not of the proper format. Some common formats are:

```
NUMERIC  - Numeric digits only (although in some cases
           nnnK and nnnM are allowed for Kilobyte and
           Megabyte support).
YESNO    - The value must be "Y" or "N".
DSNAME   - A valid MVS data set name.
CHARACTER- Any character values (up to a specified length)
LIST     - Only specific string values may be specified.
```

System Response: Initialization is terminated

User Response: Specify a correct value.

Invoking module: <ACCMGR>

ZPCM006E

ZPCM006E Syntax error: +40+C+ Reason(+2+H+)

Explanation: Configuration Manager could not properly parse the designated command for the reason specified.

Note: A text reason is provided in +40+C+ for the user. The Hex Reason code may be ignored unless technical support requests it.

System Response: Initialization is terminated

User Response: Code an appropriate value with the control statement.

Invoking module: <ACCMGR>

ZPCM007E

ZPCM007E SYSIN expected for DD=+8+C+, but //+8+C+ DD is not allocated

Explanation: The installation defaults module specified that input commands should be read from the DD shown, but the execution did not provide that JCL statement.

System Response: Initialization is terminated

User Response: Either provide the specified DD JCL statement or use -NOSYSIN in the EXEC PARM.

Invoking module: <ACCMGR>

ZPCM008E

ZPCM008E PARMLIB file is in use and maximum wait time was exceeded.

Explanation: The installation defaults module specified a "PARMLIB" dataset to read control cards from (before //SYSIN), but the dataset was held under exclusive control by another job or user.
The defaults module values for PARMLIB_FILE_WAIT_TIMER and PARMLIB_FILE_WAIT_MAX govern how long retries will be attempted before the limit is reached.

System Response: Initialization is terminated

User Response: Determine who has the dataset to have it freed, then re-run the job.

Invoking module: <ACCMGR>

ZPCM009E

ZPCM009E Error (+2+H+) processing +80+C+

Explanation: The command could not be processed successfully.

Reason Code
- 8 - A comma was expected, but a blank was found, or the end of the command field was found instead.
- 9 - An inconsistent use of the command with the mode of execution was found. (e.g. A ZIPPED_DSN command was found while running PKUNZIP instead of UNZIPPED_DSN).
- 10 - The S390 (MVS/VSE) dataset name portion of the command has a length of either 0 or > 54.

System Response: Initialization is terminated

User Response: Correct the command values.

Invoking module: <ACCMGR>

ZPCM010E

ZPCM010E Member not accessible in dataset: +54+C+

Explanation: The input PDS member could not be read.

System Response: If the error is for the PARMLIB file, processing continues
If the error is for //SYSIN, processing terminates.

User Response: Determine the correct member name and ensure that
it is not in use by another job or user in the system.

Note: You may provide a //PARMLIB DD DUMMY statement
to eliminate the error message and the RC=4
completion code.

Invoking module: <ACCMGR>

ZPCM010I

ZPCM010I Processing input file: +8+C+ +54+C+

Explanation: The configuration manager is reading commands.
This message is issued when LOGGING_LEVEL(VERBOSE)
is specified.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM011I

ZPCM011I Processing EXEC PARM parameters

Explanation: The Configuration Manager finished reading the PARMLIB
and SYSIN commands and is now processing EXEC PARM
commands (if any).
This message is issued when LOGGING_LEVEL(VERBOSE)
is specified.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM012T

ZPCM012T Working on entry: +80+C+

Explanation: An internal trace record showing which command table entry is being processed.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM013T

ZPCM013T Setting entry value: +80+C+

Explanation: An internal trace record showing which command table entry is being processed and that the value is being set.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM014T

ZPCM014T Scanning command table - Pass +1+C+

Explanation: An internal trace record showing which command table entry is being processed.
The command table is being scanned for either a real command match or an alias.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM015I

ZPCM015I Relating alias {+40+C+} to truename

Explanation: An alias name was used for a command and it is being translated internally to the real command name.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM016I

ZPCM016I Alias replaced with +50+C+

Explanation: The requested command (an alias command) was substituted with the real command value shown.
This line is only issued when LOGGING_LEVEL(VERBOSE) is specified.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM017I

ZPCM017I A total of +8+D+ ADD/UPDATE candidate file(s) were identified.

Explanation: Configuration Manager processing information.
During ZIP processing, files are identified for possible addition to the ZIP archive. This is the maximum number of files/members that have been identified for inclusion.
This line is only issued with LOGGING_LEVEL(VERBOSE).

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM018E

ZPCM018E Relative GDG requests cannot be processed. Use -INFILE with JCL.

Explanation: Relative GDG data set requests are only supported through -INFILE(ddname) with appropriate JCL DD statements.

See also: -GDGALL_SUPPORT

System Response: The file selection is skipped.
Processing continues based on -ON_FILE_ACCESS_ERROR.

User Response: Change the control card(s) to use -INFILE or -GDGALL_SUPPORT.

Invoking module: <ACCMGR>

ZPCM020C

ZPCM020C SHOW_SETTINGS Completed

Explanation: Configuration Manager processing information.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM020I

ZPCM020I SHOW_SETTINGS Display: (Using defaults module <+8+C+>)

Explanation: Configuration Manager processing information.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM030I

ZPCM030I IDCAMS TRACE: +8+C+ RC=+8+D+

Explanation: A call was made to IDCAMS for a basic function (+8+C+) such as LISTCAT with the return code indicated.

This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCSAMS>

ZPCM031I

ZPCM031I {+8+D+} files were found by the above request

Explanation: Configuration Manager processing information. Catalog Management reported the number of datasets shown for the file filter specified. Each file filter request (e.g. SYS1.**) results in a separate call to catalog services.

This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM032W

ZPCM032W No files were found for the cataloged data set request(s)

Explanation: Configuration Manager processing information. The file filter supplied for ZIP processing did not result in any matches with the system catalog.

System Response: None

User Response: Verify that the correct dataset name or filter was specified.

-ECHO may be used to list the file requests in the input stream.

Invoking module: <ACCMGR>

ZPCM033I

ZPCM033I Bypassed duplicate file select; +44+C+

Explanation: Configuration Manager processing information. A ZIP file request had multiple data set filter requests that resolved to the same file (dataset or member).

System Response: Only the first occurrence of the file found will result in a ZIP for that item. Others will be bypassed.

User Response: None

Invoking module: <ACCMGR>

ZPCM034T

ZPCM034T File Candidate FMCB created: +8+H+ for +44+C+

Explanation: Configuration Manager processing internal trace. This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR> <ACCSAMSP>

ZPCM035E

ZPCM035E Invalid internal parameter list.

Explanation: Configuration Manager processing information. A call was made to catalog management, but an invalid PLIST was passed.

System Response: Processing is terminated.

User Response: Please contact the Product Services Division
at 1-937-847-2687 for assistance.

Invoking module: <ACCSAMS>

ZPCM036T

ZPCM036T Device type +8+C+ = {+4+C+} {+6+C+} for +44+C+

Explanation: Configuration Manager processing trace record.
Either a DD statement was provided or an input
file filter located a cataloged dataset.
A device table lookup was performed and the
specified device type information was returned.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR> <ACCSAMSP>

ZPCM037W

ZPCM037W Device type +8+C+ unknown for dataset: +44+C+

Explanation: See also: ZPCM036T
The device type shown could not be resolved.

System Response: Access to the dataset is stopped.

User Response: Please contact the Product Services Division
at 1-937-847-2687 for assistance.

Invoking module: <ACCMGR> <ACCSAMSP>

ZPCM038I

ZPCM038I ALIAS match. Performing catalog lookup for: +44+C+

Explanation: -ALIAS_NAME_SUPPORT(Y) was specified and a cataloged
alias was identified from the ZIP request.

The TRUE catalog name will be resolved and used in the ZIP process.

System Response: None

User Response: None

Invoking module: <ACCSAMSP>

ZPCM039I

ZPCM039I GDGALL request match for: +44+C+

Explanation: -GDGALL_SUPPORT(Y) was specified and a generation was located for ZIP processing.

System Response: Processing for the individual generation continues.

User Response: None

Invoking module: <ACCMGR>

ZPCM040E

ZPCM040E Specified INFILE(+8+C+) is not allocated.

Explanation: The specified DD statement is not in the JCL for the step (or allocated to the TSO session).

System Response: Processing for the file is terminated.

User Response: Correct the job allocations or -INFILE statement.

Invoking module: <ACCMGR>

ZPCM041I

ZPCM041I //+8+C+ DD DSN=+44+C+ {+8+C+}

Explanation: Configuration Manager processing information. The specified INFILE DD statement was resolved to the specified data set name. This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM042W

ZPCM042W INFILE(+8+C+) had a catalog access error for +44+C+

Explanation: Configuration Manager processing information.
An INFILE control card specified a DD statement
for a cataloged dataset, but the catalog information
request failed.

System Response: Processing is terminated for the file.

User Response: None

Invoking module: <ACCMGR>

ZPCM043E

ZPCM043E INFILE(+8+C+) syntax error - MEMBER LENGTH > 8.

Explanation: Configuration Manager processing error detected.
A PDS or PDSE member name must be 1 - 8 characters.

System Response: Processing is terminated for the file request.

User Response: Correct the file name.

Invoking module: <ACCMGR>

ZPCM044T

ZPCM044T FMCB Updated at +8+H+ for +44+C+

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCSAMSP>

ZPCM050W

```
ZPCM050W File is in use by another job/user: +44+C+

Explanation:     Configuration Manager processing information.
                 The file is being held by another job or user
                 in the system.

System Response: Processing for the file is bypassed.

User Response:   None

Invoking module:  <ACCMGR>
```

ZPCM051W

```
ZPCM051W No member selection requests matched in +44+C+

Explanation:     Configuration Manager processing information.
                 Although the associated dataset could be located,
                 no members exist in the file to match the member
                 name selection criteria.

System Response: None

User Response:   Verify that the desired members exist in the dataset.

Invoking module:  <ACCMGR>
```

ZPCM052I

```
ZPCM052I Recalling file to obtain attributes: +44+C+

Explanation:     Configuration Manager processing information.
                 ZIP processing identified a requested dataset that is
                 migrated.  Because RECALL_TO_ZIP(Y) is specified, the
                 dataset is being recalled.
                 See also:  ZPCM053W

                 Note:  The recall is done early in the process to
                        determine whether the dataset is partitioned.
                        This information is necessary to assess each
                        prospective Archive filename and match against
                        any files already existing in the Archive.
                        ADD, FRESHEN & UPDATE are all affected by the
```

the existence of a file within the Archive.

System Response: None

User Response: If migrated datasets are not desired for ZIP processing, specify RECALL_TO_ZIP(N).

Invoking module: <ACCMGR>

ZPCM053W

ZPCM053W RECALL_TO_ZIP(N) bypassing file: +44+C+

Explanation: ZIP processing can optionally skip Migrated datasets (i.e. migrated with DFSMS/DFHSM).
See also: ZPCM052I

System Response: Message issued only if LOGGING_LEVEL(VERBOSE) is specified. The file will be bypassed for ZIP processing.

User Response: None

Invoking module: <ACCMGR>

ZPCM060T

ZPCM060T Work Directive: +80+C+

Explanation: Configuration Manager processing trace record. This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM061T

ZPCM061T +8+D+K allocated to +8+D+ elements on the Arch Mgr. Prelim

Explanation: Configuration Manager processing trace record. This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM062T

ZPCM062T +8+D+K allocated to +8+D+ elements on the Arch Mgr. Request

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM063T

ZPCM063T +8+D+K allocated to +8+D+ elements on the Arch Mgr. Add Queue

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM064T

ZPCM064T <SUBFMCB1> Processing {+80+C+}

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM065T

ZPCM065T Phase1 input parm processing complete.

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM069E

ZPCM069E Error (+2+H+) processing +80+C+

Explanation: Configuration Manager processing error for -INFILE.

Error Code:
 8 Syntax error
 C Syntax error (name too long)
10 See ZPCM040E
14 Short on storage
18 Member processing error
63 Unsupported DSORG
69 Member-name or GDG generation level problem.

System Response: Processing for the dataset is terminated.

User Response: Attempt to determine the cause of the error.

Invoking module: <ACCMGR>

ZPCM070T

ZPCM070T Sending to FILE_SELECT_QUEUE {+80+C+}

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM071E

ZPCM071E An input Archive must be specified with VIEW/UPDATE/REFRESH/DELETE

Explanation: Configuration Manager processing error detected.
One of the -ACTIONs was specified, but no input Archive was provided.

System Response: Processing is terminated.

User Response: Provide -ARCHIVE or -ARCHIVE_INFILE for the requested action, or change the request.

Invoking module: <ACCMGR>

ZPCM072E

ZPCM072E An output Archive must be specified with ADD/UPDATE/REFRESH/DELETE

Explanation: Configuration Manager processing error detected.
One of the -ACTIONs was specified, but no output Archive was provided.

System Response: Processing is terminated.

User Response: Provide either -ARCHIVE or -ARCHIVE_OUTFILE.

Invoking module: <ACCMGR>

ZPCM073E

ZPCM073E A conflict was detected with -ARCHIVE_DSN and
ARCHIVE_INFILE/ARCHIVE_OUTFILE Reason Code=+2+H+

Explanation: Configuration Manager processing error detected.
An invalid combination of the commands shown was encountered. -ARCHIVE_DSN cannot be specified with -ARCHIVE_INFILE or -ARCHIVE_OUTFILE.
Reason Code
1 -ARCHIVE_DSN & -ARCHIVE_INFILE were both specified.
2 -ARCHIVE_DSN & -ARCHIVE_OUTFILE were both specified.

3 -ARCHIVE_DSN was specified, but the DDNAME that would be used to dynamically allocate the dataset is already in the JCL (ARCHIVE_INFILE)
4 -ARCHIVE_DSN was specified, but the DDNAME that would be used to dynamically allocate the dataset is already in the JCL (e.g., ARCHIVE_OUTFILE=ARCHOUT)

System Response: Processing is terminated.

User Response: Correct the JCL and/or control cards.

Invoking module: <ACCMGR>

ZPCM074E

ZPCM074E Input Archive not found: {+54+C+}

Explanation: Configuration Manager processing error detected. The specified Archive could not be located on the system.

System Response: Processing is terminated.

User Response: Check the spelling and catalog status of the Archive. (If cataloged, ensure that it is on the volume shown).

Invoking module: <ACCMGR>

ZPCM075E

ZPCM075E -Archive supports tape for -VIEW or -ADD for a new Archive. Use
Use -ARCHIVE_INFILE/ARCHIVE_OUTFILE.

Explanation: When a tape Archive is to be UPDATED/FRESHENED, use DD statements to access the tape volumes.

System Response: Processing is terminated.

User Response: Use -ARCHIVE_INFILE/ARCHIVE_OUTFILE in place of -ARCHIVE_DSNAME and re-submit the job.

Invoking module: <ACCMGR>

ZPCM076E

ZPCM076E -Archive DSN is in use by another job. {+54+C+}

Explanation: Configuration Manager processing error detected.
The Archive could not be allocated.

System Response: Processing is terminated.

User Response: Free the dataset from the owning job/user and re-submit.

Invoking module: <ACCMGR>

ZPCM077E

ZPCM077E -Archive DSN could not be allocated. {+54+C+}

Explanation: Configuration Manager processing information.
The Archive could not be allocated.

System Response: None

User Response: See the associated dynamic allocation return code.

Invoking module: <ACCMGR>

ZPCM078E

ZPCM078E -Archive specified PDS without a valid member {+54+C+}

Explanation: Configuration Manager processing information.
An ARCHIVE PDS/PDSE was specified, but no member
was provided, or a -FRESHEN was requested and
the specified member does not exist.

System Response: Processing is terminated.

User Response: Specify which member is desired as the Archive.
If performing an action that requires an existing
Archive, ensure that the member exists.

Invoking module: <ACCMGR>

ZPCM088E

ZPCM088E TEMPFILE Allocation error FMCB: +8+H+ +54+C+

Explanation: Configuration Manager processing error indication.

Allocation of the TEMPFILE spill dataset failed.

System Response: None

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
If necessary, use -TRACE_DYNALLOC(I) to obtain system IKJ (DYNALLOC) messages.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Invoking module: <ACCMGR>

ZPCM089E

ZPCM089E TEMPFILE Open/Read/Write error FMCB: +8+H+ +54+C+

Explanation: Configuration Manager processing error indication.

I/O to the TEMPFILE spill dataset failed.

System Response: None

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
If necessary, use -TRACE_DYNALLOC(I) to obtain system IKJ (DYNALLOC) messages.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Note: If -MULTI_THREAD_LIMIT(1) is specified, then

//TEMPFILE DD may be specified in the JCL to provide the spill storage space.
DCB=(DSORG=PS,RECFM=U,LRECL=27998,BLKSIZE=27998)
Unpredictable results will occur if -MULTI_THREAD_LIMIT is greater than 1 and //TEMPFILE is used.

Invoking module: <ACCMGR>

ZPCM100I

ZPCM100I Configuration Manager Shutdown. Posting Main Task: +8+C+

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued upon the startup of the Configuration manager sub-task.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM199I

ZPCM199I Patch Report: x"01" = Applied to current release.
x"FF" = Superceded by release.

Explanation: -ACTION(PATCH_REPORT) will generate this message and a display DUMP of the PATCHID module.
Some fixes are supplied in a "patch" format prior to being released in a fully integrated form (either an SMP/E PTF or full library distribution). When a patch is distributed, a modification to the PATCHID module will also accompany it. This patch tracking mechanism may be helpful to the PKZIP support staff in performing problem analysis.

Note: Not all product modifications are tracked in the PATCHID module. Version/Release information, along with the product generation date is the primary basis for tracking changes to the product.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM201T

ZPCM201T <ACCMGR> <SUBFMCB1> Routine Entry.

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM202T

ZPCM202T <ACCMGR> <SUBFMCB2> Routine Entry.

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM900T

ZPCM900T +121+C+

Explanation: Configuration Manager processing trace record.
This line is only issued when Configuration Manager
tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPCM950E

ZPCM950E Insufficient Virtual Storage to handle the file request.

Explanation: Configuration Manager processing error detected.
It is likely that other storage shortage
conditions will exist.

System Response: The current file is bypassed.

User Response: Specify a larger REGION/PARTITION size.

Invoking module: <ACCMGR>

ZPCO - Compression Manager Messages

ZPCO060T

```
ZPCO060T Work Directive: +80+C+

Explanation:     Compression Manager processing trace record.
                 This line is only issued when Compression Manager
                 tracing is turned on.

System Response: None

User Response:   None

Invoking module:  <ACCOMAIN>
```

ZPCO070T

```
ZPCO070T CACHEMEMORY limit reached - FMCB: +8+H+ +54+C+

Explanation:     Compression Manager processing trace record.
                 This line is only issued when Compression Manager
                 tracing is turned on.

System Response: None

User Response:   None

Invoking module:  <ACCOMAIN>
```

ZPCO080E

```
ZPCO080E TEMPFILE Allocation error FMCB: +8+H+ +54+C+

Explanation:     Compression Manager processing error indication.
                 During Compression processing with PKZIP, the compressed
                 data is kept in virtual storage until the DATA_STORAGE
                 limit is exceeded.  (This is dynamically computed and
                 varies from run to run based on the multi-tasking level,
                 the number of files processed and the timing of I/O
                 in the job).

                 Once, the DATA_STORAGE limit is exceeded, then the
                 compressed data is spilled into a temporary file.
                 This file is dynamically allocated by PKZIP by using
```

the -TEMP_... commands.

Allocation of the TEMPFILE spill dataset failed.

System Response: None

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
If necessary, use -TRACE_DYNALLOC(I) to obtain system IKJ (DYNALLOC) messages.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Note: If -MULTI_THREAD_LIMIT(1) is specified, then //TEMPFILE DD may be specified in the JCL to provide the spill storage space.
DCB=(DSORG=PS,RECFM=U,LRECL=27998,BLKSIZE=27998)
Unpredictable results will occur if -MULTI_THREAD_LIMIT is greater than 1 and //TEMPFILE is used.

Invoking module: <ACCOMAIN>

ZPCO081E

ZPCO081E Translate table +8+C+ could not be loaded.

Explanation: Compression Manager processing error detected.
Text translation was going to be done for the file data, but the translate table specified by TRANSLATE_TABLE_DATA could not be loaded.

System Response: ZIP processing for the file is terminated.

User Response: Verify that the specified translate table module is in the JOBLIB/STEPLIB for the job.

Invoking module: <ACCOMAIN>

ZPCO082E

ZPCO082E Text/Binary detection table +8+C+ could not be loaded.

Explanation: Compression Manager processing information.
-DATA_TYPE(DETECT) had been specified, so the Compression Manager attempted to determine whether the data is binary or text.

The load module table specified by -DATATYPE_DETECT_TABLE could not be loaded.

System Response: Processing for the file is terminated.

User Response: Determine the correct table to be loaded.

Invoking module: <ACCOMAIN>

ZPCO083W

ZPCO083W File in use by another job: +54+C+

Explanation: During ZIP processing, the file listed was found to be allocated to another job or user.

System Response: Continued processing depends on the value set for ON_FILE_ACCESS_ERROR.

User Response:
-Identify the job or user who has the file allocated and free it before running the ZIP request.
-Use ON_FILE_ACCESS_ERROR(TOLERATE) to bypass the error and continue with other files.
-Remove this file from the ZIP request.

Invoking module: <ACCOMAIN>

ZPCO084W

ZPCO084W TEMPFILE I/O error FMCB: +8+H+ +54+C+

Explanation: Compression Manager processing error indication.

During Compression processing with PKZIP, the compressed data is kept in virtual storage until the DATA_STORAGE limit is exceeded. (This is dynamically computed and varies from run to run based on the multi-tasking level, the number of files processed and the timing of I/O in the job).

Once, the DATA_STORAGE limit is exceeded, then the compressed data is spilled into a temporary file. This file is dynamically allocated by PKZIP by using the -TEMP_... commands.

An output operation to the TEMPFILE spill dataset failed.

System Response: Processing of the active file is terminated.

User Response: Examine other SYSPRINT and JOBLOG messages for an indication of the reason for the failure.
A likely problem scenario is insufficient space being allocated to the TEMPFILE.

Ensure that the TEMP_... specifications are correct for VOLUME, SPACE and SMS controls so that the file can be allocated.

Note: If -MULTI_THREAD_LIMIT(1) is specified, then //TEMPFILE DD may be specified in the JCL to provide the spill storage space.
DCB=(DSORG=PS,RECFM=U,LRECL=27998,BLKSIZE=27998)
Unpredictable results will occur if -MULTI_THREAD_LIMIT is greater than 1 and //TEMPFILE is used.

Invoking module: <ACCOMAIN>

ZPCO100I

ZPCO100I Compression Task {+3+D+} TCB: +8+H+ Started.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued upon the startup of a Compression manager sub-task.

Note: In MVS and OS/390, more than one instance of this task (and message) may be generated.
The number of compression tasks is controlled by -MULTI_THREAD_LIMIT

System Response: None

User Response: None

Invoking module: <ACCOMAIN>

ZPCO101I

ZPCO101I Compression Task {+3+D+} TCB: +8+H+ shutdown begun.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued upon the shutdown of each Compression manager sub-task.

System Response: None

User Response: None

Invoking module: <ACCOMAIN>

ZPCO109I

ZPCO109I Compression Task {+3+D+} TCB: +8+H+ shutdown complete.

Explanation: When -LOGGING_LEVEL(VERBOSE) is specified, this message will be issued upon the shutdown of each Compression manager sub-task.

System Response: None

User Response: None

Invoking module: <ACCOMAIN>

ZPCO110I

ZPCO110I Exceeded Binary threshold (+3+C+%). +50+C+

Explanation: Compression Manager processing information. -DATA_TYPE(DETECT) had been specified, so the Compression Manager attempted to determine whether the data is binary or text. The number of binary bytes for the sample taken exceeds that allowed by TEXT_PERCENT.

See also:
-DATATYPE_DETECT_DEPTH
-DATATYPE_TEXT_PERCENT
-DATATYPE_DETECT_TABLE

System Response: The file is treated as BINARY.

User Response: None

Invoking module: <ACCOMAIN>

ZPCO900T

ZPCO900T +121+C+

Explanation: Compression Manager processing trace record. This line is only issued when Compression Manager

tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACCOMAIN>

ZPCO999E

ZPCO999E INVALID INTERNAL DIRECTIVE: +80+C+

Explanation: Compression Manager processing error detected.

System Response: None

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACCOMAIN>

ZPCS010W

ZPCS010W Define Cluster requires either VOLUMES or STORCLASS.

Explanation: Access Method Services requires that volume control information be provided for a DEFINE CLUSTER. When a data set is under DFSMS control, then ARCHIVE_STORCLASS can be used. Otherwise, ARCHIVE_VOLUMES should be specified.

System Response: In cases when ARCHIVE_STORCLASS has been specified, but the data set is not DFSMS managed, then Access Method Services will issue IDC3506I indicating that a volume specification is required.

User Response: Provide the appropriate volume information.

Invoking module: <ACCSAMS>

ZPDA - Dynamic Allocation Messages

ZPDA001E

```
ZPDA001E Dynamic Allocation error (+4+H+) for {+54+C+}

Explanation:     The DYNALLOC service routine (SVC99) was invoked to
                 perform a dynamic allocate/unallocate for a data set
                 or DD.  The request could not be satisfied by the system,
                 and the DARC was returned from SVC 99 (+4+H+).

                 For more information on MVS Dynamic Allocation, see
                 IBM OS/390 MVS Programming: Authorized Assembler
                   Services Guide.

                 DARC codes may also be looked up on ISPF under the
                 Help Index section "D1 - DAIR Return Codes".

System Response: Depends on the function requested.
                 Some common DARC codes encountered by PKZIP are:
                 1708 - File not found on the system.

                 0210 - File in use by another job/user.

User Response:   Evaluate the processing being performed. It may be
                 appropriate to encounter 1708 if a new file is being
                 created.  PKZIP will then attempt to allocate a new
                 file (or Archive).

                 -TRACE_DYNALLOC(0) to avoid seeing extraneous DYNALLOC
                  error messages.

Invoking module:  <AMFMDALC>
```

ZPDA001I

```
ZPDA001I DARC: +70+C+

Explanation:     The DYNALLOC service routine (SVC99) was invoked to
                 perform a dynamic allocate/unallocate for a data set
                 or DD.  The request could not be satisfied by the system,
                 and the DARC was returned from SVC 99 (+4+H+).

                 This message attempts to provide a textual interpretation
                 of the DAIR Return Code (as provided in IBM documentation)

                 For more information on MVS Dynamic Allocation, see
```

IBM OS/390 MVS Programming: Authorized Assembler
Services Guide.

DARC codes may also be looked up on ISPF under the
Help Index section "D1 - DAIR Return Codes".

System Response: None

User Response: None

Invoking module: <AMFMDALC>

ZPDA003E

ZPDA003E Invalid DSNAME provided for DYNALLOC {+54+C+}

Explanation: Dynamic Allocation was attempted for the data set,
but the name does not conform to MVS standards.

System Response: Processing for the specified file is terminated.

User Response: Try to determine why the invalid DSNAME is being passed.

Invoking module: <AMFMDALC>

ZPDA004E

ZPDA004E DSNAME not found: {+54+C+}

Explanation: Dynamic Allocation could not locate the specified data
set on the system.

System Response: Processing for the specified file is terminated.

User Response: Ensure that the file is accessible on the system.

Invoking module: <AMFMDALC>

ZPDA005E

ZPDA005E Text Unit in error: {+22+C+}

Explanation: A dynamic allocation was attempted, but some information
that was provided (either through control cards, Archive
attributes, or defaults) was incorrect. (This could be
something like an invalid DDNAME of blanks).

For more information about DYNALLOC (SVC 99) and "Text Units", refer to IBM publication for OS/390 (MVS) Authorized Assembler Services Guide in the chapter entitled "SVC 99 Parameter list Verb Codes and Text Units"

System Response: The DYNALLOC request failed. Processing may be terminated.

User Response: Attempt to determine which element is incorrect and provide a correct command (or default via the defaults module) to complete the necessary "Text Unit" for the dynamic allocation.

Another option is to pre-allocate a new file before the execution.

Invoking module: <AMFMDALC>

ZPDA011E

ZPDA011E Unallocation error (+4+H+) for {+8+C+}

Explanation: A FREE attempt for the specified DDname +8+C+ failed for the reason shown in DAIR RC +4+H+

For more information on MVS Dynamic Allocation, see IBM OS/390 MVS Programming: Authorized Assembler Services Guide.

DARC codes may also be looked up on ISPF under the Help Index section "D1 - DAIR Return Codes".

System Response: Continue processing.

User Response: Try to determine the reason for the failure.

Invoking module: <AMFMDALC>

ZPDA020T

ZPDA020T Allocation entered for DD{+8+C+} DSN{+54+C+}

Explanation: Dynamic Allocation processing trace record. This line is only issued when Dynamic Allocation tracing is turned on.

System Response: None

User Response: None

Invoking module: <AMFMDALC>

ZPDA021I

ZPDA021I Membername parsed {+8+C+} Len=+4+H+

Explanation: Dynamic Allocation processing trace record.
This line is only issued when Dynamic Allocation
tracing is turned on.

System Response: None

User Response: None

Invoking module: <AMFMDALC>

ZPDA022I

ZPDA022I Unallocate entered for DD{+8+C+}

Explanation: Dynamic Allocation processing trace record.
This line is only issued when Dynamic Allocation
tracing is turned on.

System Response: None

User Response: None

Invoking module: <AMFMDALC>

ZPDA022T

ZPDA022T Unallocate leaving for DD{+8+C+}

Explanation: Dynamic Allocation processing trace record.
This line is only issued when Dynamic Allocation
tracing is turned on.

System Response: None

User Response: None

Invoking module: <AMFMDALC>

ZPDA091T

```
ZPDA091T PLIST: DD=+8+C+ DISP=+3+C DSN=+44+C+

Explanation:     Dynamic Allocation processing trace record.
                 This line is only issued when Dynamic Allocation
                 tracing is turned on.

System Response: None

User Response:   None

Invoking module:  <AMFMDALC>
```

ZPEX - Extract Manager Messages

ZPEX001C

```
ZPEX001C ... +100+C+

Explanation:     Extract Manager processing information.
                 Continuation of ZPEX001I
                 is turned on.

System Response: None

User Response:   None

Invoking module:  <ACEXMAIN>
```

ZPEX001I

```
ZPEX001I tested okay +100+C+

Explanation:     Extract Manager processing information.
                 -ACTION(TEST) was requested, and the file shown "tested"
                 correctly.

System Response: None

User Response:   None

Invoking module:  <ACEXMAIN>
```

ZPEX001W

```
ZPEX001W +12+C+ +100+C+

Explanation:     Extract Manager processing warning.
                 A problem was encountered during the EXTRACT process.

                 Reasons may include:
                  "RDW > 32K"  A record length was encountered that was
                               too large to process, and the output file
                               was not defined for spanning.

                  "PASSWORD ERR"- Check case sensitivity for password.

                  "CRC Error   "- The data integrity check failed.
```

"DATA Error "- The data integrity check failed.

System Response: Processing for the file is terminated.

User Response: Try to determine the reason for the failure.

Invoking module: <ACEXMAIN>

ZPEX002C

ZPEX002C ... +100+C+

Explanation: Extract Manager processing information.
Continuation for ZPEX002I

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX002I

ZPEX002I +100+C+

Explanation: When UNZIP processing is complete, (successfully, or in error), the file name +100+C+ will be listed.
See also ZPEX002C

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX003I

ZPEX003I Extracted to +54+C+

Explanation: Extract Manager processing information.
Upon a successful EXTRACT (or SIMULATE) of a file, this message reports the destination file name.

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX011E

ZPEX011E Error opening Archive +44+C+ for +50+C+

Explanation: Extract Manager processing error detected.
The input Archive could not be re-opened to
extract file +50+C+.

System Response: Processing for the file +50+C+ is terminated.

User Response: Check the SYSPRINT and LOG messages for indications of
the failure reason.

Invoking module: <ACEXMAIN>

ZPEX012E

ZPEX012E Error allocating new output file +44+C+

Explanation: Extract Manager processing error detected.
The dynamic creation of the output file failed.

System Response: Processing of the file is terminated.

User Response: Check SYSPRINT and the JOBLOG for other messages that
may indicate the reason for the failure.

Invoking module: <ACEXMAIN>

ZPEX013W

ZPEX013W Record(s) being truncated to LRECL=+8+D+. Record# +8+D+ is
+4+D+ bytes.

Explanation: Extract Manager processing warning.
While Extracting the data, record(s) were found, whose
length exceeded that of the output file.

System Response: Processing of the file continues, but some data has
been truncated.

User Response: Specify an LRECL large enough to contain the greatest record length.

Invoking module: <ACEXMAIN>

ZPEX014W

ZPEX014W Encrypted file skipped. Password not provided or not valid.

Explanation: Extract Manager processing warning.
A file was identified for processing, but the -PASSWORD was not valid.

Note: If multiple files are being processed, this may be a valid condition if different passwords were specified during various ZIP runs.

System Response: The file is bypassed, but other files will be processed.

User Response: Specify the correct password for this file, or ignore the message.

Invoking module: <ACEXMAIN>

ZPEX060T

ZPEX060T Work Directive: +80+C+

Explanation: Extract Manager processing information.
This line is only issued when EXTRACT tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX070T

ZPEX070T ?CACHEMEMORY limit reached - FMCB: +8+H+ +54+C+

Explanation: Extract Manager processing trace record.
This line is only issued when EXTRACT tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX071E

ZPEX071E OUTFILE Open failed. Check joblog for additional information.

Explanation: Extract Manager processing error detected.

System Response: None

User Response: Check the SYSPRINT and JOBLOG messages for error reasons.

Invoking module: <ACEXMAIN>

ZPEX072W

ZPEX072W OUTFILE_OVERWRITE(N) excluded overwrite of {+54+C+}

Explanation: Extract Manager processing warning.
When an EXTRACT request is made, and the target file already exists, -OUTFILE_OVERWRITE(Y) must be specified to write over the old file.

System Response: Processing of the current file is bypassed.

User Response: Use OUTFILE_OVERWRITE as needed.

Invoking module: <ACEXMAIN>

ZPEX073W

ZPEX073W INSERT_MEMBER(N) disallowed creation of {+54+C+}

Explanation: Extract Manager processing warning.
When an EXTRACT request is made, and the target PDS/PDSE already exists, -INSERT_MEMBER(Y) must be specified to create a new member.

System Response: Processing of the current file is bypassed.

User Response: Use INSERT_MEMBER(Y) as needed.

```
Invoking module:  <ACEXMAIN>
```

ZPEX074E

```
ZPEX074E Allocation to PDS was denied. {+44+C+}

Explanation:     Extract Manager processing error detected.
                 During EXTRACT processing, an attempt was made
                 to open the PDS/PDSE directory to determine
                 if the target member(s) already exist.

                 The open failed for the dataset.

System Response: Processing for the PDS/PDSE is terminated.

User Response:   Evaluate other SYSPRINT/JOBLOG messages to determine
                 the OPEN failure reason.

Invoking module:  <ACEXMAIN>
```

ZPEX075E

```
ZPEX075W Program objects are not supported for PDSE Extract.


              Data saved "as is".

Explanation:     Extract Manager processing error detected.
                 During EXTRACT processing, an attempt was made
                 to UNZIP a load module to a PDSE (Library).
                 The original source load module was likely a PDS
                 Load Library.

System Response: The data records are saved in the PDSE, but
                 "Program Object" information is likely to be incomplete.

User Response:   EXTRACT the Load Modules to a PDS Load Library.

Invoking module:  <ACEXMAIN>
```

ZPEX076E

```
ZPEX076W Extract bypassed for member +8+C+    -- in use.

Explanation:     Extract Manager processing error detected.
                 An attempt to restore a member of a PDS could
```

not be satisfied because the member was being used.

System Response: Processing for the member is bypassed.

User Response: Reprocess the member when the member or dataset is no longer in user.

Invoking module: <ACEXMAIN>

ZPEX077E

ZPEX077E OUTFILE Cluster could not be defined. {+44+C+}

Explanation: Extract Manager processing error.
During EXTRACT processing, an attempt was made to perform a DEFINE CLUSTER for the target output file, but it failed.

System Response: Processing for the file is terminated.

User Response: Check the SYSPRINT output for Access Method Services messages that would describe the reason for the failure.

Invoking module: <ACEXMAIN>

ZPEX078E

ZPEX078E OUTFILE Cluster could not be allocated. {+44+C+}

Explanation: Extract Manager processing error detected.
A VSAM cluster was identified for output, but a dynamic allocation for the cluster failed.

See also ZPDAxxx messages for DYNALLOC error reasons.

System Response: Processing for the file is terminated.

User Response: Check for other messages describing the allocation failure

Invoking module: <ACEXMAIN>

ZPEX079E

ZPEX079E PDS specified without a member name.

Explanation: Extract Manager processing error detected.

A PDS was requested for output, but either no member name was specified or an attempt was made to alter the dataset organization of an existing dataset by specifying OUTFILE_DSNTYPE.

System Response: Processing for the file is terminated.

User Response: Specify a member name and verify no conflicting OUTFILE_DSNTYPE specifications have been made.

Invoking module: <ACEXMAIN>

ZPEX081E

ZPEX081E Invalid record length detected (> 32k) +8+H+

Explanation: A BINARY file with saved LRECL information was being extracted. While the records were being processed, a record with a length > 32k was detected.

System Response: Processing on the current file stops. The output file will be closed and the data written up to the point of failure will be intact.
Warning: ONLY A PARTIAL FILE WILL BE AVAIALABLE.

User Response: Take necessary action to remove the output file and obtain a copy of the ZIP Archive with record lengths less than 32K.

Invoking module: <ACEXMAIN>

ZPEX084E

ZPEX084E Unknown/unsupported compression method +2+H+ +44+C+

Explanation: Compression method for the selected archive member is either not known or not supported.

System Response: The member is bypassed and the next member is processed.

User Response: Check the compression method and the file bypassed which appears immediately following the message text.

Invoking module: <ACEXMAIN>

ZPEX100I

```
ZPEX100I Extract Task {+3+D+} TCB: +8+H+ Started.

Explanation:     When -LOGGING_LEVEL(VERBOSE) is specified, this message
                 will be issued upon the startup of an Extract
                 Manager sub-task.

                 Note:  In MVS and OS/390, more than one instance of this
                        task (and message) may be generated.
                        The number of extraction tasks is controlled by
                        -MULTI_THREAD_LIMIT

System Response: None

User Response:   None

Invoking module:  <ACEXMAIN>
```

ZPEX101I

```
ZPEX101I Extract Task {+3+D+} TCB: +8+H+ shutdown begun.

Explanation:     When -LOGGING_LEVEL(VERBOSE) is specified, this message
                 will be issued upon the shutdown of each Extraction
                 manager sub-task.

System Response: None

User Response:   None

Invoking module:  <ACEXMAIN>
```

ZPEX109I

```
ZPEX109I Extract Task {+3+D+} TCB: +8+H+ shutdown complete.

Explanation:     Extract Manager processing information.
                 The EXTRACT sub-task has shut down.
                 This line is only issued when LOGGING_LEVEL(VERBOSE)
                 is specified.

System Response: None

User Response:   None

Invoking module:  <ACEXMAIN>
```

ZPEX200I

ZPEX200I Compressed size: X"+8+H++8+H+", Uncompressed size:

Explanation: Extract Manager processing information.
When GZIP files are processed, the file size can exceed 4 gigabytes. This message is displayed to show the byte sizes (in HEX) of the associated file.

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX900T

ZPEX900T +121+C+

Explanation: Extract Manager processing trace record.
This line is only issued when EXTRACT tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACEXMAIN>

ZPEX999E

ZPEX999E INVALID INTERNAL DIRECTIVE: +80+C+

Explanation: Extract Manager processing error detected.
An internal logic error was detected.

System Response: Processing is terminated for the current file.

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACEXMAIN>

ZPFM - File Manager Messages

ZPFM011W

```
ZPFM011W OBTAIN failed (rc=+8+D+) for +44+C+ Vol(+8+C+)

Explanation:     The File Manager was attempting to gather information
                 about a non-VSAM DISK dataset but could not get the VTOC
                 information.  This can happen if a dataset is cataloged
                 to a volume, but the dataset does not actually exist.

                 For more information about CAMLST OBTAIN, see IBM manual:
                 DFSMS/MVS DFSMSdfp Advanced Services -
                 Reading DSCBs from the VTOC Using OBTAIN &
                 Return Codes from OBTAIN (Reading by Data Set Name)
```

0(X'00')	Successful completion of OBTAIN routine.
4(X'04')	The required volume was not mounted.
8(X'08')	The format-1 DSCB was not found in the VTOC of the specified volume.
12(X'0C')	A permanent I/O error was encountered, or an invalid format-1 DSCB was found when processing the specified volume, or an unexpected error return code was received from CVAF (common VTOC access facility).
16(X'10')	Invalid work area pointer.

```
User Response:   Check the return code.

Invoking module:  <ACFMGR>
```

ZPFM012W

```
ZPFM012W File type {+16+C+} unsupported: +44+C+

Explanation:     A dataset was determined to be unsupported by PKZIP.
                 Examples of these types of files are:
                   "UNMOVEABLE"
                   "ISAM"

System Response: The file is bypassed.
```

User Response: None

Invoking module: <AMFMOBTN>

ZPFM019I

ZPFM019I OBTAIN info: Alloc=+2+H+ Filetype=+2+H+ RECFM=+2+H+

Explanation: This message is issued when certain traces are set as active. It is informational and describes the VTOC information found for a non-VSAM disk file.

Programming info:
Alloc is FM_ALLOCATION
Filetype is FM_FILETYPE
RECFM is FM_RECFM

System Response: None

User Response: None

Invoking module: <AMFMOBTN>

ZPFM030E

ZPFM030E <AMFMPDSD> Error: +80+C+

Explanation: The routine responsible for reading a PDS or PDS/E directory encountered an error. This can occur if the system disallows access to the dataset.
Some possible reasons for the failure include:

Insufficient Virtual Storage (GETMAIN failure)
(an excessively large ZIP run was being performed)

Error opening the PDS/PDSE

System Response: Processing for the file is terminated.

User Response: Check for additional messages in the SYSPRINT or JOBLOG.

Invoking module: <AMFMPDSD>

ZPFM031T

ZPFM031T <AMFMPDSD> +8+H+ +8+C+ +8+H+ +8+C+

```
Explanation:     File Manager processing trace record.
                 This line is only issued when FMGR tracing
                 is turned on.

                 This information is useful to Technical Support
                 in assessing member name filtering.

System Response: None

User Response:   None

Invoking module:  <AMFMPDSD>
```

ZPFM032T

```
ZPFM032T DSNMATCH MEMBER FILTER: +8+C+ DIRECTORY AT +8+H+ = +8+C+

Explanation:     File Manager processing trace record.
                 This line is only issued when FMGR tracing
                 is turned on.

System Response: None

User Response:   None

Invoking module:  <AMFMPDSD>
```

ZPFM033T

```
ZPFM033T Empty PDS found for DD: +8+C+

Explanation:     File Manager processing trace record.
                 This line is only issued when FMGR tracing
                 is turned on.

System Response: None

User Response:   None

Invoking module:  <AMFMPDSD>
```

ZPFM034T

```
ZPFM034T <AMFMPDSD> DSNMATCH MEMBER RC=+8+D+
```

Explanation: File Manager processing trace record.
This line is only issued when FMGR tracing
is turned on.

System Response: None

User Response: None

Invoking module: <AMFMPDSD>

ZPFM040I

ZPFM040I Alias entry +8+C+ built for member +8+C+

Explanation: An alias was created for the identified member as
a result of -PROCESS_ALIAS(Y) being specified for
EXTRACT processing. This message will occur for each
ALIAS constructed as a result of the EXTRACT request.
This line is only issued with LOGGING_LEVEL(VERBOSE).

System Response: None

User Response: None

Invoking module: <CCFMBPAM>

ZPFM041E

ZPFM041E <AMFMSTOW> +8+C+ Open Failed for operation on member +8+C+

Explanation: File Manager was attempting to make a modification to
a PDS or PDS/E member, but the OPEN for the directory
failed.

For more information on STOW, reference IBM manual:
DFSMS/MVS Macro Instructions for Data Sets -
STOW--Update Partitioned Data Set Directory (BPAM)

System Response: Processing for the data set terminates.

User Response: Check SYSPRINT and the JOBLOG for other messages that may
indicate the reason for the failed OPEN.

Invoking module: <AMFMSTOW>

ZPFM042E

ZPFM042E <AMFMSTOW> PDS +8+C+ failure for member +8+C+ on DD +8+C+ STOW

Explanation: File Manager was attempting to make a modification to a PDS or PDS/E member, but the STOW action +8+C+ failed.

STOW actions may include: ADD, DEL, CHG or RENname.

An example of a failure might be that an ADD was requested but the PDS had no more directory space.

For more information on STOW, reference IBM manual: DFSMS/MVS Macro Instructions for Data Sets - STOW--Update Partitioned Data Set Directory (BPAM)

System Response: Processing for the data set terminates.

User Response: Check SYSPRINT and the JOBLOG for other messages that may indicate the reason for the failed OPEN.

Invoking module: <AMFMSTOW>

ZPFM050I

ZPFM050I File Information about {+44+C+}

Explanation: File Manager processing information. This line is only issued when FMGR tracing is turned on.

Related messages:

```
ZPFM050I FILE INFORMATION ABOUT {+44+C+}
ZPFM051I VOLSER: +4+C+  BASIC DEVICE: +4+C+  UNIT: +6+C+
ZPFM052I DSORG:  +4+C+  RECFM:        +10+C+
ZPFM053I LRECL:  +6+D+  BLKSIZE:       +6+D+
ZPFM054I STORCLASS: +8+C+  MGMTCLASS:  +8+C+  DATACLASS: +
```

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM051I

ZPFM051I VOLSER: +6+C+ BASIC DEVICE: +4+C+ UNIT: +6+C+ FLAGS: +8+H+

```
Explanation:     File Manager processing information.
                 This line is only issued when FMGR tracing
                 is turned on.

                 Related messages:

                 ZPFM050I FILE INFORMATION ABOUT {+44+C+}
                 ZPFM051I VOLSER: +4+C+  BASIC DEVICE: +4+C+  UNIT: +6+C+
                 ZPFM052I DSORG:  +4+C+  RECFM:        +10+C+
                 ZPFM053I LRECL:  +6+D+  BLKSIZE:       +6+D+
                 ZPFM054I STORCLASS: +8+C+  MGMTCLASS:  +8+C+  DATACLASS: +

System Response: None

User Response:   None

Invoking module:  <ACCMGR>
```

ZPFM052I

```
ZPFM052I DSORG: +4+C+ RECFM: +10+C+

Explanation:     File Manager processing information.
                 This line is only issued when FMGR tracing
                 is turned on.

                 Related messages:

                 ZPFM050I FILE INFORMATION ABOUT {+44+C+}
                 ZPFM051I VOLSER: +4+C+  BASIC DEVICE: +4+C+  UNIT: +6+C+
                 ZPFM052I DSORG:  +4+C+  RECFM:        +10+C+
                 ZPFM053I LRECL:  +6+D+  BLKSIZE:       +6+D+
                 ZPFM054I STORCLASS: +8+C+  MGMTCLASS:  +8+C+  DATACLASS: +

System Response: None

User Response:   None

Invoking module:  <ACCMGR>
```

ZPFM053I

```
ZPFM053I LRECL: +6+D+ BLKSIZE: +6+D+

Explanation:     File Manager processing information.
                 This line is only issued when FMGR tracing
                 is turned on.
```

Related messages:

ZPFM050I FILE INFORMATION ABOUT {+44+C+}
ZPFM051I VOLSER: +4+C+ BASIC DEVICE: +4+C+ UNIT: +6+C+
ZPFM052I DSORG: +4+C+ RECFM: +10+C+
ZPFM053I LRECL: +6+D+ BLKSIZE: +6+D+
ZPFM054I STORCLASS: +8+C+ MGMTCLASS: +8+C+ DATACLASS: +

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM054I

ZPFM054I STORCLASS: +8+C+ MGMTCLASS: +8+C+ DATACLASS: +8+C+

Explanation: File Manager processing information.
This line is only issued when FMGR tracing
is turned on.

Related messages:

ZPFM050I FILE INFORMATION ABOUT {+44+C+}
ZPFM051I VOLSER: +4+C+ BASIC DEVICE: +4+C+ UNIT: +6+C+
ZPFM052I DSORG: +4+C+ RECFM: +10+C+
ZPFM053I LRECL: +6+D+ BLKSIZE: +6+D+
ZPFM054I STORCLASS: +8+C+ MGMTCLASS: +8+C+ DATACLASS: +

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM061I

ZPFM061I +15+C+ +18+C+ +15+C+ +12+C+

Explanation: File Manager processing information for VSAM.
This line is only issued when FMGR tracing
is turned on.

Field information:

P1=FM_VSAM_KEYS
P2=FM_VSAM_RECSIZE 6+C+
P3=FM_VSAM_DATA_BUFSPACE

P4=FM_VSAM_DATA_CISIZE

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM062I

ZPFM062I +10+C+ +8+C+ +8+C+ +8+C+ +8+C+

Explanation: File Manager processing information for VSAM. This line is only issued when FMGR tracing is turned on.

Field information:

P1=FM_VSAM_FORMAT
P2=FM_VSAM_RECOV_SPEED 6+C+
P3=FM_VSAM_UNIQUE
P4=FM_VSAM_ERASE
P5=FM_VSAM_DATA_SHROPTNS

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM063I

ZPFM063I +10+C+ +7+C+ +5+C+ +9+C+ +7+C+ +10+C+

Explanation: File Manager processing information for VSAM. This line is only issued when FMGR tracing is turned on.

Field information:

P1=FM_VSAM_WRITECHK
P2=FM_VSAM_IMBED
P3=FM_VSAM_REPLICATE
P4=FM_VSAM_ORDERED
P5=FM_VSAM_DATA_REUSE
P6=FM_VSAM_SPANNED

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM064I

ZPFM064I +13+C+ +22+C+

Explanation: File Manager processing information for VSAM.
This line is only issued when FMGR tracing
is turned on.

Field information:

P1=FM_VSAM_FREE_SPACE_DEF
P2=FM_VSAM_DATA_SPACE_DEF 6+C+

System Response: None

User Response: None

Invoking module: <ACCMGR>

ZPFM071E

ZPFM071E VSAM OPEN Error +8+H+ for File(+8+C+) DA(+44+C+)

Explanation: File Manager attempted to open the specified VSAM Cluster,
but the OPEN failed.

+8+H+ is the ACB Error reason as defined in the IBM
manual DFSMS/MVS Macro Instructions for Data Sets -
VSAM Macro Return and Reason Codes -
OPEN Return and Reason Codes

System Response: Processing for the file is terminated.

User Response: Determine the reason for the failed open from the
provided reason code.

Invoking module: <ACFMGR>

ZPFM072E

ZPFM072E VSAM I/O ERROR: File is not Open DA(+44+C+)

```
Explanation:     File Manager attempted to read a record from the
                 Cluster, but the file had not opened properly.

System Response: Processing for the file is terminated.

User Response:   Check SYSPRINT and the JOBLOG for associated OPEN errors.

Invoking module:  <ACFMGR>
```

ZPFM073E

```
ZPFM073E FILE GET ERROR: +8+C+ +44+C+ VSAM FDBK=+8+H+ ARG=+8+H+

Explanation:     File Manager attempted to read the specified VSAM Cluster,
                 but the request failed.

                 +8+C+ = DDNAME
                 +44+C+= Cluster name

                 FDBK and ARG are displays from:
                   SHOWCB RPL=(Rx),FIELDS=(FDBK,ARG)

                 FDBK=+8+H+ is the RPL Error reason as defined in the IBM
                 manual DFSMS/MVS Macro Instructions for Data Sets -
                 VSAM Macro Return and Reason Codes -
                 Record Management Return and Reason Codes

                 ARG=+8+H+ is the argument field from the VSAM RPL

System Response: Processing for the file is terminated.

User Response:   Determine the reason for the failed read from the
                 provided reason code.

Invoking module:  <ACFMGR>
```

ZPFM074E

```
ZPFM074E FILE PUT ERROR: +8+C+ +44+C+ VSAM FDBK=+8+H+ ARG=+8+H+

Explanation:     File Manager attempted to write to the specified VSAM
                 Cluster, but the request failed.

                 +8+C+ = DDNAME
                 +44+C+= Cluster name

                 FDBK and ARG are displays from:
                   SHOWCB RPL=(Rx),FIELDS=(FDBK,ARG)
```

FDBK=+8+H+ is the RPL Error reason as defined in the IBM manual DFSMS/MVS Macro Instructions for Data Sets - VSAM Macro Return and Reason Codes - Record Management Return and Reason Codes

ARG=+8+H+ is the argument field from the VSAM RPL

System Response: Processing for the file is terminated.

User Response: Determine the reason for the failed write from the provided reason code.

Invoking module: <ACFMGR>

ZPFM075E

ZPFM075E Unsupported VSAM filetype: +8+C+ +44+C+

Explanation: File Manager detected a VSAM file organization that is not supported by PKZIP. Supported Cluster types are:

ZIP Archive: ESDS (NONINDEXED)

Files: ESDS (NONINDEXED)
KSDS (INDEXED)
RRDS (NUMBERED)

System Response: Processing for the file is terminated.

User Response: None

Invoking module: <ACFMGR>

ZPFM076E

ZPFM076E VSAM CLOSE Error on File (+8+C+) DA(+44+C+)

Explanation: The specified file could not be closed properly.

System Response: None

User Response: Check SYSPRINT and the JOBLOG for other messages that may indicate the reason for the close failure.

Perform a LISTCAT ENTRY(cluster name) to assess the health of the file.

Invoking module: <ACFMGR>

ZPFM077W

ZPFM077W VSAM CLOSE Error on File (+8+C+) DA(+44+C+)

Explanation: The specified file could not be closed properly. The CLOSE associated with this message occurs when File Manager was writing sequentially to an output KSDS during UNZIP processing. An out-of-sequence key was detected and the File Manager was in the process switching to "direct" insert mode (a CLOSE/Re-OPEN is required to perform this function).

System Response: Processing for the file is terminated.

User Response: Check SYSPRINT and the JOBLOG for other messages that may indicate the reason for the close failure.

UNZIP the data to a non-KSDS file and check the record sequence, and/or sort the data before loading to a KSDS.

Perform a LISTCAT ENTRY(cluster name) to assess the health of the file.

Invoking module: <ACFMGR>

ZPFM078I

ZPFM078I Switching KSDS from SEQ to DIR on File (+8+C+) DA(+44+C+)

Explanation: File Manager processing information for VSAM. File Manager was writing sequentially to an output KSDS during UNZIP processing. An out-of-sequence key was detected and the File Manager was in the process switching to "direct" insert mode (a CLOSE/Re-OPEN is required to perform this function).

System Response: Processing continues in "direct" insert mode.
Note: Performance may be degraded, record placement may be changed and file sizing may not be as expected due to changes in VSAM operating characteristics.

User Response: UNZIP the data to a non-KSDS file and check the record sequence, and/or sort the data before loading to a KSDS.

Perform a LISTCAT ENTRY(cluster name) to assess the health of the file.

```
Invoking module:  <ACFMGR>
```

ZPFM100T

```
ZPFM100T <ACFMGR> Entry: +8+C+ +8+C+ +44+C+ {+8+C+} +8+H+

Explanation:     File Manager processing trace record.
                 This line is only issued when FMGR tracing
                 is turned on.

                 P1=FM_ACTION     (file access request)
                 P2=FM_DDNAME
                 P3=FM_DSNAME
                 P4=FM_MEMBER
                 P5=plist_address

System Response: None

User Response:   None

Invoking module:  <ACFMGR>
```

ZPFM101T

```
ZPFM101T File Opened +8+C+ +54+C+

Explanation:     File Manager processing information for VSAM.
                 This line is only issued when FMGR tracing
                 is turned on.

                 +8+C+  - DDNAME
                 +54+C+ - DSNAME

System Response: None

User Response:   None

Invoking module:  <ACFMGR>
```

ZPFM102E

```
ZPFM102E File Open Error: +8+C+ +54+C+

Explanation:     An open for either a VSAM or NONVSAM file failed.
```

```
                  +8+C+  - DDNAME
                  +54+C+ - DSNAME

System Response: Processing for the specified file is terminated.

User Response:   Check SYSPRINT and the JOBLOG for other error indications.

Invoking module:  <ACFMGR>
```

ZPFM111E

```
ZPFM111E File Get Error: +8+C+ +44+C+ {+8+C+}

Explanation:     File Manager encountered a NONVSAM read error.

                  +8+C+  - DDNAME
                  +54+C+ - DSNAME
                  {+8+C+}- conditional member name

System Response: Processing for the specified file is terminated.

User Response:   Check SYSPRINT and the JOBLOG for other error indications.

Invoking module:  <ACFMGR>
```

ZPFM112I

```
ZPFM112I SYNAD Info:  +80+C+

Explanation:     When a NONVSAM error occurs, the system returns
                 additional error information in a buffer.

                 +80+C+   System-supplied error info.

                 See also: ZPFM111E, ZPFM121E

                 For more information about SYNAD routines and the
                 format of information returned, see IBM manual(s):

                   DFSMS/MVS Macro Instructions for Data Sets
                   SYNADAF--Perform SYNAD Analysis Function
                   Message Buffer Format

                   DFSMS/MVS Using Data Sets -
                   SYNAD Synchronous Error Routine Exit

System Response: None

User Response:   Review the information to determine the reason for
```

the failure.

Invoking module: <ACFMGR>

ZPFM121E

ZPFM121E File Put Error (+8+H+): +8+C+ +54+C+

Explanation: File Manager encountered a NONVSAM PUT error.

+8+C+ - DDNAME
+54+C+ - DSNAME
{+8+C+}- conditional member name

See also ZPFM112I

Example: (EEB37004): SYS00005 SYS01120.T113425.RA000.MASQZIP.R0100246

The above message was issued for a Temporary work file that ran out of space (B37 in positions 3 - 5). In this case, the -TEMP_... commands should be used to provide more space when allocating temporary work space during a ZIP function for large files.

System Response: Processing for the specified file is terminated.

User Response: Check SYSPRINT and the JOBLOG for other error indications.

Use the appropriate –TEMP_, -OUTFILE_, or _ARCHIVE commands to adjust dynamically allocated output files.

Adjust JCL space allocation specifications for the target file referenced via JCL.

Invoking module: <ACFMGR>

ZPFM900T

ZPFM900T +121+C+

Explanation: File Manager processing trace record. This line is only issued when FMGR tracing is turned on.

System Response: None

User Response: None

Invoking module: <ACFMGR>

ZPFM999E

```
ZPFM999E Invalid FMGR Action: {+8+C+}

Explanation:     An internal file request error was encountered.

System Response: Unpredictable

User Response:   Please contact the Product Services Division
                 at 1-937-847-2687 for assistance.

Invoking module:  <ACFMGR>
```

ZPGE001T

```
ZPGE001T +16+C+ STORAGE QUERY: 24BIT=+8+D+K 31BIT=+8+D+K CACHE=+8+D+K

Explanation:     Main Task processing trace record.
                 This line is only issued when general tracing
                 is turned on.


System Response: None

User Response:   None

Invoking module:  <ACZMAIN>
```

ZPLI - License Manager Messages

ZPLI001I

```
ZPLI001I         +120+C+

Explanation:     Informational messages produced from each
                 execution of PKZIP MVS.

System Response: None

User Response:   None

Invoking module:  <ACUTLIC>
```

ZPLI200I

```
ZPLI200I         +120+C+

Explanation:     Informational messages about the product license

System Response: None

User Response:   None

Invoking module:  <RMUBLIC,RMUDLIC,RMURLIC,RMUSLIC>
```

ZPLI210I

```
ZPLI210I         +120+C+

Explanation:     Informational messages about the Customer environment

System Response: None

User Response:   None

Invoking module:  <RMUSLIC>
```

ZPLI220I

```
ZPLI220I         +120+C+
Explanation:     Informational messages about a DEMO license
```

System Response: None

User Response: None

Invoking module: <RMUDLIC>

ZPLI230E

ZPLI230E +120+C+

Explanation: Control card input used to build the License is invalid

System Response: License dataset will not be created

User Response: Verify that the characters in the first three fields are correct. If correct, please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <RMUBLIC>

ZPLI230I

ZPLI230I +120+C+

Explanation: Control card input to the license build process

System Response: None

User Response: None

Invoking module: <RMUBLIC>

ZPLI235E

ZPLI235E +120+C+

Explanation: No license control statements found.

System Response: The license dataset will not be updated.

User Response: Place the license control statements in the LICENSE member of the INSTLIB dataset and rerun the job.

Invoking module: <RMUBLIC>

ZPLI240E

ZPLI240E +120+C+

Explanation: The license dataset could not be opened.
The license dataset could not be written.
The license dataset is in error.

System Response: The license dataset will not be updated.

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <RMUBLIC>

ZPLI901E

ZPLI901E +120+C+

Explanation: Product Licensing Error

System Response: Only the VIEW feature will function

User Response: Rerun LICUPDAT with the correct input. If you continue to receive this error message, please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACUTLIC>

ZPLI901W

ZPLI901W +120+C+

Explanation: Product Licensing Warning

System Response: Product features available for use.

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACUTLIC>

ZPLI902E

ZPLI902E +120+C+

Explanation: Feature Licensing Error

System Response: The Feature identified in the message will not function.

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACUTLIC>

ZPLI902W

ZPLI902W +120+C+

Explanation: Feature Licensing Warning

System Response: Features available for use.

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACUTLIC>

ZPMT - Main Task Messages

ZPMT002I

ZPMT002I PKZIP processing complete. RC=+8+H+ +8+D+(Dec)

Explanation: Main Task informational message.

System Response: None

User Response: None

Invoking module: <ACZMAIN>

ZPMT003E

ZPMT003E ACZMAIN may not be called directly. Use PKZIP or PKUNZIP.

Explanation: PKZIP and PKUNZIP are packaged together under one program. However, the correct call sequence (PKZIP or PKUNZIP) must be called for the product to work correctly.

System Response: Processing terminates.

User Response: Change the call (or JCL) to run the proper program.

Invoking module: <ACZMAIN>

ZPMT011W

ZPMT011W INVALID INTERNAL DIRECTIVE: +80+C+

Explanation: An internal logic error was detected.

System Response: Unpredictable

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACZMAIN>

ZPMT020I

ZPMT020I DISPLAY STATUS

Explanation: Reserved for future use.

System Response: None

User Response: None

Invoking module: <ACZMAIN>

ZPMT060T

ZPMT060T Work Directive: +80+C+

Explanation: Main Task processing trace record.
This line is only issued when general tracing
is turned on.

System Response: None

User Response: None

Invoking module: <ACZMAIN>

ZPMT901E

ZPMT901E Initialization error at label: +8+C+

Explanation: An error occurred during base initialization.
This can be caused by an insufficient run-time
Region size, by inappropriate <ACZDFLT> parameters
or incorrect installation of the PKZIP
Load Library.

System Response: See supplemental information below

User Response: Review the information provided to determine whether
an installation problem has occurred. If so, contact
the local support staff to correct the problem.
Otherwise, contact the Product Services Division
at 1-937-847-2687 for assistance.

Invoking module: <ACZINIT1>
Supplemental Information:

```
LABEL:        The label indicates where the failure occurred
              in <ACZINIT1>.  values are as follows:

GETMTVT:      The 24-bit main task vector table GETMAIN failed.

              Programmer response:
                1) Check the JOBLOG for other system messages.
                2) Increase the region size.

              System response:
                1) Terminate initialization.

LOADDFLT:     The defaults module <ACZDFLT> could not be loaded.

              Programmer response:
                1) Check the JOBLOG for other system messages,
                   such as s806 or s106 abend conditions.
                2) Ensure that <ACZDFLT> is available
                   in the execution environment (steplib, steplib,
                   ispf-ispllib, lnklst, etc.)

              System response:
                1) Terminate initialization.

COPYDFLT:     The defaults module <ACZDFLT> length does not match
              the compiled version of <ACZINIT1>.

              Programmer response:
                1) Verify that the release levels of <ACZINIT1>
                   and <ACZDFLT> match (by browsing the modules).
                2) Re-generate <ACZDFLT> with the maclib which
                   matches the release level of <ACZINIT1>.

              System response:
                1) Terminate initialization.

LOADQMGR:     Module <ACUTQMGR> could not be loaded.  This module
              Is required for execution.

              Programmer response:
                1) Check the JOBLOG for other system messages,
                   such as s806 or s106 abend conditions.
                2) Ensure that <ACUTQMGR> is available
                   in the execution environment (STEPLIB, JOBLIB,
                   ISPF-ISPLLIB, LNKLST, etc.)

              System response:
                1) Terminate initialization.

LOADAMS:      Module <IDCAMS> could not be loaded.  this module
              Is required for execution. (system module).

              Programmer response:
```

```
                1) Check the JOBLOG for other system messages,
                   such as s806 or s106 abend conditions.
                2) Ensure that <IDCAMS> is available
                   in the execution environment (steplib, steplib,
                   ispf-ispllib, lnklst, etc.)

              System response:
                1) Terminate initialization.

LOADUJRL:     Module <ACUTJRNL> could not be loaded.  this module
              Is required for execution. (system module).

              Programmer response:
                1) Check the JOBLOG for other system messages,
                   such as s806 or s106 abend conditions.
                2) Ensure that <acutjrnl> is available
                   in the execution environment (steplib, steplib,
                   ispf-ispllib, lnklst, etc.)

              System response:
                1) Terminate initialization.

LOADQSYN:     Module <acutqsyn> could not be loaded. this module
              Is required for execution. (system module).

              Programmer response:
                1) Check the JOBLOG for other system messages,
                   such as s806 or s106 abend conditions.
                2) Ensure that <acutqsyn> is available
                   in the execution environment (steplib, steplib,
                   ispf-ispllib, lnklst, etc.)

              System response:
                1) Terminate initialization.

OPENTMCB:     The task manager "task control block queue" could not
              Be initialized.

              Programmer response:
                1) Check the JOBLOG for other system messages.
                2) increase the region size.

              System response:
                1) Terminate initialization.

OPENTMWQ:     One of the two task manager work queues could not
OPENTMWN      Be opened.
OPENMTWQ
OPENMTWN      Programmer response:
                1) Report this problem to PKZIP support.

              System response:
                1) Terminate initialization.
```

```
MAKEJRNL:     An attempt to create the journal subtask control
              Block (tmcb) failed.

              Programmer response:
                1) Report this problem to PKZIP support.

              System response:
                1) Terminate initialization.

ATTCHJNL:     An attempt to signal the task manager to attach
              The journal subtask failed.

              Programmer response:
                1) Report this problem to PKZIP support.

              System response:
                1) Terminate initialization.

GETTRACE:     The 31-bit trace table could not be obtained.

              Programmer response:
                1) Check the JOBLOG for other system messages.
                2) Reduce the trace_table_size parameter value
                   in <ACZDFLT> generation.
                3) Increase the region size.

              System response:
                1) Terminate initialization.
                   Note:  Before terminating execution, <ACZINIT1>
                          attempts to reduce the size of the
                          trace table to 64k.
```

ZPMT902E

```
ZPMT902E INITIALIZATION ERROR - DEFAULTS MODULE mmmmmmmm
         COMPILED mm/dd/yyhh.mm HAS A VERSION MISMATCH.

Explanation:  During initialization, defaults module "mmmmmmmm" was loaded
              and a validation was performed to ensure that the format of
              the module matches the current release of the software.
              The module appears to have been compiled by a different
              release of PKZIP MVS and needs to be re-assembled.

              See also:  ZPMT903I

System Response: Processing is terminated.

User Response:   Reference the PKZIP MVS installation materials for
                 instructions on how to tailor the supplied defaults
                 module ACZDFLT.  Locate the source used to generate
                 module "mmmmmmmm" and re-assemble it to the correct
```

load library.

Invoking module: <ACZINIT1>

ZPMT903E

ZPMT903I THE MODULE WAS LAST ASSEMBLED AT VERSION vvvvvvvv
AND MUST BE RE-ASSEMBLED TO RUN WITH VERSION nnnnnnnn.

Explanation: During initialization, defaults module "mmmmmmmm" was loaded and a validation was performed to ensure that the format of the module matches the current release of the software. The module appears to have been compiled by a different release of PKZIP MVS and needs to be re-assembled.

See also: ZPMT902E

System Response: Processing is terminated.

User Response: Reference the PKZIP MVS installation materials for instructions on how to tailor the supplied defaults module ACZDFLT. Locate the source used to generate module "mmmmmmmm" and re-assemble it to the correct load library.

Invoking module: <ACZINIT1>

ZPMT999E

ZPMT999E Please contact the Product Services Division at 1-937-847-2687
for Assistance.

Explanation: An error was encountered that may require technical support to evaluate.

System Response: None

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACZMAIN>

ZPTM - Task Manager Messages

ZPTM001I

```
ZPTM001I SUBTASK (+3+D+) EP: +8+C+ ATTACHED - TCB: +8+H+ TMCB: +8+H+

Explanation:     Task Manager processing information.
                 This line is only issued when general tracing
                 is turned on.

                 Sub-tasking is performed for various components of PKZIP
                 to improve over-all throughput.  Each subtask is assigned
                 a number (+3+D+).

System Response: None

User Response:   None

Invoking module:  <ACTMGR>
```

ZPTM002I

```
ZPTM002I SUBTASK (+3+D+) EP: +8+C+ Ended - TCB: +8+H+ Comp: +8+H+

Explanation:     Task Manager processing information.
                 This line is only issued when general tracing
                 is turned on.

                 See also ZPTM001I

System Response: None

User Response:   None

Invoking module:  <ACTMGR>
```

ZPTM003E

```
ZPTM003E ATTACH TASK (+3+D) FAILED FOR LMOD: <+8+C+>

Explanation:     A subtask attach was attempted for the specified module,
                 but a failure was encountered.

                 Abend 806 - Module not found.
                 Abend 106 - Possible region limitation or corrupt module.
```

System Response: None

User Response: Check the JOBLOG for abend codes that may indicate the reason for the failure.

Invoking module: <ACTMGR>

ZPTM998E

ZPTM998E TASK AT ADDRESS +8+C+ COULD NOT BE LOCATED BY <ACTMETXR>

Explanation: Internal Logic error detected.

System Response: Unpredictable

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACTMGR>

ZPTM999E

ZPTM999E INVALID INTERNAL DIRECTIVE: +20+C+

Explanation: Internal logic error detected.

System Response: Unpredictable

User Response: Please contact the Product Services Division at 1-937-847-2687 for assistance.

Invoking module: <ACTMGR>

ZPTR - Trace Recording Messages

ZPTR000I

```
ZPTR000I +120+C+

Explanation:     Trace record.
                 This line is only issued when general tracing
                 is turned on.

System Response: None

User Response:   None

Invoking module:  <ACUTRACE>
```

Chapter 02 - User Abend Codes

PKZIP MVS™ should normally terminate with a Condition Code (not an abend). This includes situations where a System Abend is intercepted by ***PKZIP MVS™*** and reported in the JOBLOG, as well as a non-zero condition code being reported in the job step. (For example, this can happen when invalid DCB information is supplied for an output file and a S001 Abend is detected for the file open).

There are also unique situations for which ***PKZIP MVS™*** determines a dump is appropriate and a User Abend is requested. These abend codes (of the form Unnnn) should be reported to product support.

In all cases of Abends, detailed information will be provided in the JOBLOG:

IEF450I jobname stepname ABEND=S000 Unnnn Reason=xxxxxxxx

where:

jobname	is the job name associated with this execution of PKZIP.
stepname	is the step name associated with this execution of PKZIP.
nnnn	is the user abend code.
xxxxxxxx	is the reason code associated with this abend (typically the return code from the failing system function).

Code Definitions

The abend codes produced by the PKZIP and PKUNZIP programs are described in the following section, listed in order by the user abend code.

U1999

Explanation: Program Working storage is detected as being inadequate for the module being invoked.

System Response: Processing will be stopped for the sub-process involved.

User Response: Please contact the Product Support Division at 1-937-847-2687 for assistance. Be prepared to provide the information in the JOBLOG. Retain the JOB output, execution JCL, and dump, if available.

Glossary

This glossary provides definitions for items that may have been referenced in the PKZIP® documentation. It is not meant to be exhaustive. There are excellent source of documentation for computing terms on the Internet, three of which are shown below:

IBM's Terminology Web Site	**http://www.networking.ibm.com/nsg/nsgmain.htm**
ComputerUser's High Tech Dictionary	**http://www.computeruser.com/resources/dictionary/index.html**
What Is ???	**http://whatis.com**

Absolute Path Name

A string of characters that is used to refer to an object, starting at the highest level (or root) of the directory hierarchy. The absolute path name must begin with a slash (/), which indicates that the path begins at the root. This is in contrast to a Relative Path Name shown on page 131. See also Path Name shown on page 130.

Access Method

A technique that is used to read a record from, or to write a record into, a file. Usually either: SAM (Sequential Access Method - where records are processed one after another in the order in which they appear in the file), or random (the individual records can be processed in any order) such as VSAM)

Alternate Index

An index of a file based on a key different from the base. It allows the file to be processed in a secondary key order.

American Standard Code for Information Interchange

The ASCII code (American Standard Code for Information Interchange) was developed by the American National Standards Institute for information exchange among data processing systems, data communications systems, and associated equipment. and is the standard character set used on MS-DOS and UNIX-based operating systems. In a ZIP archive, ASCII is used as the normal character set for compressed text files. The ASCII character set consists of 7-bit control characters and symbolic characters, plus a single parity bit. Since ASCII is used by most microcomputers and printers, text-only files can be transferred easily between different kinds of computers and operating systems. While ASCII code does include characters to indicate backspace, carriage return, etc., it does not include accents and special letters that are not used in English. To accomodate those special characters, Extended ASCII has additional characters (128-255). Only the first 128 characters in the ASCII character set are standard on all systems. Others may be different for a given language set. It may be necessary to create a different translation tables (see Translation Table) to create standard translation between ASCII and other character sets.

American National Standards Institute (ANSI)

An organization sponsored by the Computer and Business Equipment Manufacturers Association for establishing voluntary industry standards.

ANSI

See American National Standards Institute shown above.

APAR

See Authorized Program Analysis Report shown on page 123.

API

See Application Programming Interface shown below.

Application Programming Interface

An interface between the operating system (or systems-related program) that allows an application program written in a high-level language to use specific data or services of the operating system or the program. The API also

allows the user to develop an application program written in a high-level language to access PKZIPxxx data and/or functions of the PKZIPxxx system.

Application System/400 (AS/400)

One of a family of general purpose systems with a single operating system, Operating System/400, that provides application portability across all models.

Archive

1. The act of transferring files from the computer into a long-term storage medium. Archived files are often compressed to save space.
2. An individual file or group of files which must be extracted and decompressed in order to be used.
3. A file stored on a computer network, which can be retrieved by a file transfer program (FTP) or other means.
4. The PKZIPxxx file that holds the compressed/zipped datafile.

ASCII

See American Standard Code for Information Interchange shown on page 122.

AS/400

See Application System/400 shown above.

AS/400 Object

An object that exists in a library on the AS/400 system and is represented by an object on the PC. For example, a user profile is an AS/400 object represented on the PC by the user profile object.

Authorized Program Analysis Report (APAR)

A request for correction of a defect in a current release of an IBM-supplied program.

Bandwidth

The capacity of a communications line, normally expressed in bits per second (bps). A lack of bandwidth is one of the prime motivations for compression software.

Batch Job

A predefined group of processing actions submitted to the system to be performed with little or no interaction between the user and the system. This is in contrast to an Interactive Job shown on page 127.

Binary File

A file that contains codes that are not part of the ASCII character set. Binary files can utilize all 256 possible values for each byte in the file.

Bit

A contraction of binary digit. Either of the binary digits, 0 or 1. Compare with byte.

Block

(1) A group of records that are recorded or processed as a unit.
(2) A set of adjacent records stored as a unit on a disk, diskette, or magnetic tape

Byte

(1) The smallest unit of storage that can be addressed directly.
(2) A group of 8 adjacent bits. In the EBCDIC/ASCII coding system, 1 byte can represent a character. In the double-byte coding system, 2 bytes represent a character.

CICS

See Customer Information Control System shown on page 124.

COBOL

See Common Business Oriented Language shown on page 124.

Code Page

A specification of code points for each graphic character set or for a collection of graphic character sets. Within a given code page, a code point can have only one specific meaning. A code page is also sometimes known as a code set.

Common Business Oriented Language (COBOL)

A high-level programming language, based on English, that is used primarily for commercial data processing.

Command Line

The blank line on a display console where commands, option numbers, or selections can be entered.

Configuration File

(1) A file that specifies the way a program functions.
(2) In PKZIPxxx, the file that contains the default values needed for the system to run. These can usually be respecified to meet local user requirements.

Console

(1) A display station from which an operator can control and observe the system operation. For example, an operator can install the operating system, do an attended IPL, or sign on the system after using the End System (ENDSYS) command. The console is the first workstation that the AS/400 system activates in a partition. The console is always available for use.
(2) In COBOL, a function name associated with the operator's display station.
(3) In a Windows operating system environment, any operator interface with a server.

Control Language (CL) Program

A program that is created from source statements consisting entirely of control language commands.

CRC

See Cyclic Redundancy Check shown below.

Cryptography

(1) A method of protecting data. Cryptographic services include data encryption and message authentication.
(2) In cryptographic software, the transformation of data to conceal its meaning; secret code.
(3) The transformation of data to conceal its information content, to prevent its undetected modification, or to prevent its unauthorized use.

Current Dataset

The current dataset is a partitioned dataset (PDS) that the PKZIP program uses for the staging of members for compression into a ZIP archive. It is also the PDS that the PKUNZIP program uses to write decompressed files from a ZIP archive as individual PDS members.

Current Library

The library that is specified to be the first user library searched for objects requested by a user. The name for the current library can be specified on the Sign-On display or in a user profile. When you specify an object name (such as the name of a file or program) on a command, but do not specify a library name, the system searches the libraries in the system part of the library list, then searches the current library before searching the user part of the library list. The current library is also the library that the system uses when you create a new object, if you do not specify a library name.

Customer Information Control System (CICS)

An IBM licensed program that enables transactions entered at remote workstations to be processed concurrently by user-written application programs. The licensed program includes functions for building, using, and maintaining databases, and forcommunicating with CICS programs on other operating systems.

Cyclic Redundancy Check (CRC)

A Cyclic Redundancy Check is a number derived from a block of data, and stored or transmitted with the data in order to detect any errors in transmission. This can also be used to check the contents of a ZIP archive. It's similar in nature to a checksum. A CRC may be calculated by adding words or bytes of the data. Once the data arrives at

the receiving computer, a calculation and comparison is made to the value originally transmitted. If the calculated values are different, a transmission error is indicated. The CRC information is called redundant because it adds no significant information to the transmission or archive itself. It's only used to check that the contents of a ZIP archive are correct. When a file is compressed, the CRC is calculated and a value is calculated based upon the contents and using a standard algorithm. The resulting value (32 bits in length) is the CRC that is stored with that compressed file. When the file is decompressed, the CRC is recalculated (again, based upon the extracted contents), and compared to the original CRC. Error results will be generated showing any file corruption that may have occurred.

Cylinder

The tracks on a disk or diskette that can be accessed without movement of the read/write arm and head.

Data Compression

The reduction in size (or space taken) of data volume on the media when performing a save or store operations.

Data Integrity

(1) The condition that exists as long as accidental or intentional destruction, alteration, or loss of data does not occur.
(2) Within the scope of a unit of work, either all changes to the database management systems are completed or none of them are. The set of change operations are considered an integral set.

DBCS

See Double-byte Character Set shown below.

Delimiter

A character or sequence of characters that marks the beginning or end of a unit of data.

Device

(1) A piece of equipment that is used with the computer. A device does not generally interact directly with the system, but is controlled by a controller. Each device has a device description associated with it, and often also has a job associated with it. Devices can be workstations, printers, diskette units, tape units, or remote systems.
(2) In Backup Recovery and Media Services, an IBM tape reel or cartridge unit, or any other unit containing removable media, which is available to the AS/400 system for use in Backup Recovery and Media Services processing.

Direct Access

A file access method allowing reading and writing of records in an arbitrary order. Contrast with keyed access and sequential access.

Double-byte Character Set (DBCS)

A set of characters in which each character is represented by 2 bytes. Languages such as Japanese, Chinese, and Korean, which contain more symbols than can be represented by 256 code points, require double-byte character sets. Because each character requires 2 bytes, the typing, displaying, and printing of DBCS characters requires hardware and programs that support DBCS. Four double-byte character sets are supported by the system: Japanese, Korean, Simplified Chinese, and Traditional Chinese. See also the Single-Byte Character Set (SBCS) shown on page 132.

Dump

In problem analysis and resolution, to write, at a particular instant, all or part of the contents of main or auxiliary storage onto another data medium (such as tape, printer, or spool) for the purpose of protecting the data or collecting error information.

DYNALLOC

See Dynamic Allocation shown below.

Dynamic Allocation

Dynamic Allocation (DYNALLOC) is a facility utilizing the SVC99 function which allows a program to directly access a dataset without the need for corresponding JCL statements.

EBCDIC

See the Extended Binary Coded Decimal Interchange Code shown below.

Encryption

The transformation of data into an unintelligible form so that the original data either cannot be obtained or can be obtained only by decryption.

ENQ

See the Enqueue macro shown below.

Enqueue

The Enqueue macro (ENQ) is used to restrict access to a resource serially reusable resources, so that only the appropriate number of users with the appropriate mode of access gain access to the resource at one time. It's commonly used to "lock" a resource to prevent modifications from multiple sources to cancel out each other.

Extended Attribute

Information attached to an object that provides a detailed description about the object to an application system or user.

Extended Binary Coded Decimal Interchange Code (EBCDIC)

The Extended Binary Coded Decimal Interchange Code is an 8-bit binary code for larger IBM mainframes in which each byte represents one alphanumeric character or two decimal digits. The single-byte structure has a range of X'00' to X'FF'. Control commands are subset with a range of X'00' to X'3F' while graphic characters have a range from X'41' to X'FE'. The space character is represented by a X'40'. EBCDIC is similar in nature to ASCII code (shown on page 122), which is used on many other computers. When ZIP programs compress a text file, they translate data from EBCDIC to ASCII characters within a ZIP archive using a translation table.

File Transfer Protocol (FTP)

In TCP/IP, an application protocol used for transferring files to and from host computers. FTP requires a user ID and possibly a password to allow access to files on a remote host system. FTP assumes that the Transmission Control Protocol is the underlying protocol.

Fixed-Length

A dataset or data definition characteristic in which all of the records are the same length. See also Variable Length shown on page 134.

FTP

See File Transfer Protocol shown above.

GMT

See Greenwich mean time shown below or Universal Time Coordinated (UTC) (shown on page 133).

Greenwich mean time (GMT)

A synonym for Universal Time Coordinated (UTC) (shown on page 133) which is the mean solar time of the meridian of Greenwich, England, and is the prime basis of standard time throughout the world.

GZIP

GZIP (also known as GNU zip) is a compression utility designed to utilize a different standard for handling compressed file data in an Archive. Its main advantages over other compression utilities are much better compression and freedom from patented algorithms. It has been adopted by the GNU project and is now relatively popular on the Internet. Additional information can be found at http://www.gzip.org.

Host

The controlling or highest-level system in a data communications configuration; for example, an AS/400 system is the host system for the work stations connected to it.

I/O

See Input/Output shown below.

IDCAMS

The utility program used by IBM's Access Method Services to create and manage VSAM datasets.

Input/Output (I/O)

Data provided to the computer or data resulting from computer processing.

Installation Verification Procedure (IVP)

A sample application, script, or jobstream provided to verify successful installation of a product (may be either software or hardware).

Integrated File System

A function of the operating system that provides storage support similar to personal computer operating systems (such as DOS and OS/2) and UNIX systems.

Integrated PC Server

An adapter that has an Intel processor and PC memory on a system board. This adapter also uses a local area network (LAN) adapter card. Integrated PC Server has been renamed to Integrated NetFinity Server for AS/400. It shares a disk, CD-ROM, and tape drive on AS/400 and is designed to run Windows NT Server 4.0. Integrated NetFinity Server provides an ideal platform for integrated applications such as between Windows NT and AS/400.

Interactive Job

A job started for a person who signs on to a work station and communicates (or "converses") with another computing entity such as a mainframe or AS/400 system. This is in contrast to a Batch Job shown on page 123.

Internet Protocol (IP)

A protocol that routes data through a network or interconnected networks. IP acts as an intermediary between the higher protocol layers and the physical network. However, this protocol does not provide error recovery and flow control and does not guarantee the reliability of the physical network.

Internet Protocol (IP) Address

The unique 32-bit address that specifies the location of each device or workstation in the Internet. For example, 009.067.097.103 is an IP address and is commonly written as 9.67.97.103.

IO

See Input/Output shown above.

IP

See Internet Protocol shown above.

IVP

See Installation Verification Procedure shown above.

JES2 or JES3

See Job Entry Subsystem shown below.

Job Entry Subsystem (JES)

A System/370-type licensed program that receives jobs into the system and processes all output data produced by the jobs. Commonly known as JES2, JES3, or POWER.

Julian Date

A date format that contains the year in positions 1 and 2, and the day in positions 3 through 5. The day is represented as 1 through 366, right-adjusted, with zeros in the unused high-order positions. For example, the Julian date for April 6, 1987 is 87096.

Kanji

Characters originating from the Chinese characters used in the Japanese written language.

Keyed Sequence

An order in which records are retrieved based on the contents of key fields in records. For example, a bank name and address file might be in order and keyed by the account number.

Keyword

(1) A mnemonic (abbreviation) that identifies a parameter in a command.
(2) A user-defined word used as one of the search values to identify a document during a search operation.
(3) In COBOL, a reserved word that is required by the syntax of a COBOL statement or entry.
(4) In DDS, a name that identifies a function.
(5) In REXX, a symbol reserved for use by the language processor in a certain context. Keywords include the names of the instructions and ELSE, END, OTHERWISE, THEN, and WHEN.
(6) In query management, one of the predefined words associated with a query command.
(7) A name that identifies a parameter used in an SQL statement. See also parameter.

Label

(1) The name of a file on a diskette or tape.
(2) An identifier within a command or program statement generally used for branching.
(3) In Interactive Source Debugger, a place in a source program that the user can choose to display again.
(4) In REXX, a clause that consists of a single symbol followed by a colon.
(5) In RPG, a symbolic name that represents a specific location in a program. A label can serve as the destination point for one or more branching operations.
(6) In DB2 UDB for AS/400 SQL, a way of attaching text to columns, tables, and packages.
(7) In Backup Recovery and Media Services, an external identifier for media. A label includes information about volume serial identifier, creation date, expiration date, location, and container identifier.

LAC

See License Authorization Code shown below.

Lempel-Ziv (LZ)

A technique for compressing data. This technique replaces some character strings, which occur repeatedly within the data, with codes. The encoded character strings are then kept in a common dictionary, which is created as the data is being sent.

Library List

A list that indicates which libraries are to be searched and the order in which they are to be searched. The system-recognized identifier is *LIBL.

License Authorization Code (LAC)

The inserted code that is needed to unlock an AS/400 licensed program.

Linkage Editor

A system-related program that resolves cross-references between separately compiled object modules and then assigns final storage addresses to create a single load module.

Logical Partition

A subset of a single AS/400 system that contains resources (such as processors, memory, and input/output devices). A logical partition operates as an independent system. If hardware requirements are sufficient, multiple logical partitions can exist within a system.

LZ

See Lempel-Ziv (LZ) shown above.

Magnetic Tape Unit

See Tape Drive shown on page 133.

Member

Different groupings of data within one database file (such as members within a partitioned data set).

MQSeries

A series of IBM products that enables programs to communicate across a network of disparate components.

Multithreading

A programming technique that reduces the complexity and overhead of concurrent programming.

New ZIP Archive

A New ZIP archive is the archive created by a compression program when either an old ZIP archive is updated or when files are compressed and no ZIP archive currently exists. It may be thought of as the “receiving” archive. Also see Old ZIP Archive shown below.

Null Value

A parameter position within a record for which no value is specified.

n-way Processor Architecture

A processor architecture that provides expandability for future system growth by allowing for additional processors. To the user, the additional processors are transparent because they separately manage the work load by sharing the work evenly among the n-way processors.

Old ZIP Archive

An Old ZIP archive is an existing archive which is opened by a compression program to be updated or for its contents to be extracted. It may be thought of as the “sending” archive. Also see New ZIP Archive shown on page 127.

Operating System/400 (OS/400)

An IBM-licensed program that is as the primary operating system for an AS/400 system.

OS/400

See Operating System/400 shown above.

Output

Information or data received from a computer that is shown on a display, printed on the printer, communicated, or stored on disk, diskette, or tape.

Packed Decimal Format

A decimal value in which each byte within a field represents two numeric digits except the far right byte, which contains one digit in bits 0 through 3 and the sign in bits 4 through 7. For all other bytes, bits 0 through 3 represent one digit; bits 4 through 7 represent one digit. For example, the decimal value +123 is represented as 0001 0010 0011 1111 (or 123F in hexadecimal).

Parameter

(1) A value supplied to a command or program that is used either as input or to control the actions of the command or program.
(2) In COBOL, a variable or a constant that is used to pass values between calling and called programs.
(3) In the Integrated Language Environment (ILE), an identifier that defines the types of arguments that are passed to a called procedure.
(4) In REXX, information entered with a command name to define the data on which a command processor operates and to control the execution of the command.
(5) In DB2 UDB for AS/400 SQL, the keywords and values that further define SQL precompiler commands and SQL statements. See also keyword.

Parameter List

A list of values in a calling program that corresponds exactly to a list in a called program for the purposes of providing addressability and data exchange. It contains parameter names and the order in which they are to be associated in the calling and called program.

Partition

A fixed-size portion of the available storage.

Partitioned Data Set

A Partitioned Data Set (PDS) is a data set in direct access storage that is divided into partitions (which are called members), each of which can contain a program, part of a program, JCL, parameters, or other forms of data. When a compression program is compressing a PDS, each member is treated as a separate file within the resultant ZIP archive. When an archive is decompressed to a PDS, each file within the archive creates a separate member within the PDS.

Path Name

(1) A string of characters used to refer to an object. The string can consist of one or more elements, each separated by a slash (/), and may begin with a slash. Each element is typically a directory or equivalent, except for the last element, which can be a directory or another object (such as a file).
(2) A sequence of directory names followed by a file name, each separated by a slash.
(3) In a hierarchical file system (HFS), the name used to refer to a file or directory. The path name must start with a slash (/) and consist of elements separated by a slash. The first element must be the name of a registered file system. All remaining elements must be the name of a directory, except the last element, which can be the name of a directory or file. See also Absolute Path Name shown on page 122 and Relative Path Name shown on page 131.
(4) The name of an object in the integrated file system. Protected objects have one or more path names.

PDS

See Partitioned Data Set shown on page 129.

PF or PFK

See Program Function Key shown below.

Physical Disk I/O

A disk hardware operation for reading or writing data.

Physical File

Describes how data is to be presented to (or received from) a program and how data is stored in the database. A physical file contains a single record format and at least one member.

Physical File Member

A named subset of the data records in a physical file. See also member.

PL/I

See Programming Language/I shown on page 131.

POWER

See Job Entry Subsystem shown on page 127.

Production Library

A library which contains objects needed for normal processing. This contrasts with a Test Library shown on page 133.

Programmed Function Key (PF or PFK)

On a workstation, a specified series of keys that can perform various functions selected by the user or determined by an application program.

Programming Language/I (PL/I)

A programming language designed for use in a wide range of commercial and scientific computer applications.

Program Temporary Fix (PTF)

A temporary solution to (or a bypass of) a problem that is necessary to provide a complete solution to correct a defect in a current unaltered release of a program. May also be used to provide an enhancement to a product before a new release of the product is available. Generally, PTFs are incorporated in a future release of the product.

PTF

See Program Temporary Fix shown on page 130.

QSYS

The library shipped with the system that contains objects, such as authorization lists and device descriptions created by a user, and the system commands and other system objects required to run the system. The system identifier is QSYS.

Qualified Name

The full name of the library that contains the object and the name of the object.

Record

A group of related data, words, or fields treated as a single unit, such as a name, address, and social security number.

Record Format

A document or display that names each part of a file and provides specific information for each field such as length and type of information contained within the field.

Reduced Instruction Set Computer (RISC)

A RISC computer uses a small, highly efficient subset of the instructions available on a standard computer. This allows for rapid processing.

Reentrant

A program that is serially reusable. Every time the user enters the program, a fresh copy of working storage is provided. If any values need to be saved, the user must save them in other storage areas or files. Care must be taken to see that modifications to the program's code are not made, thus corrupting it for the next user.

Relative Path Name

A string of characters that is used to refer to an object, starting at some point in the directory hierarchy other than the root. A relative path name does not begin with a slash (/). The starting point is frequently a user's current directory. This is in contrast to an Absolute Path Name shown on page 122. See also Path Name shown on page 130.

Remote Job Entry (RJE)

Communications software and hardware that allow a user to submit a job from a display station on a remote system to a System/370-type host system.

Return Code

A value generated by operating system software to a program to indicate the results of an operation by that program. The value may also be generated by the program and passed back to the operator.

Report Program Generator (RPG)

A programming language used on AS/400s and mainframes for writing application programs for business data processing requirements.

RISC

See Reduced Instruction Set Computer shown above.

RJE

See Remote Job Entry shown on page 131.

RPG

See Report Program Generator shown on page 131.

SBCS

See Single-Byte Character Set shown below.

Service Pack

The AS/400 product has available a collection of code fixes that contain PC code. These fixes are contained in a single program temporary fix (PTF) which make installation simpler.

SEQ

See Sequential Dataset shown on page 131.

Sequential Dataset

A sequential dataset holds a single file of records which are organized on the basis of their successive physical positions, such as on magnetic tape.

Single-Byte Character Set (SBCS)

A coded character set in which each character is represented by a one-byte code point. A one-byte code point allows representation of up to 256 characters. Languages that are based on an alphabet, such as the Latin alphabet (as contrasted with languages that are based on ideographic characters) are usually represented by a single-byte coded character set. For example, the Spanish language can be represented by a single-byte coded character set. See also the Double-Byte Character Set (DBCS) shown on page 125.

Source File

A file of programming code that has not yet been compiled into machine language. A source file can be created by the specification of FILETYPE(*SRC) on the Create command. A source file can contain source statements for such items as high-level language programs and data description specifications. Source files maintained on a PC typically use a .TXT as the extension. On a mainframe, source files are typically found in a partitioned data set or are maintained within a library management tool.

Spanned Record

A logical record that stored across more than one block. This is commonly used to get around a system limitation that a block cannot be larger than 32,760 bytes. With spanned records, one record spans two or more blocks.

Stream File

A data file that contains continuous streams of bits such as PC files, documents, and other data stored in AS/400 folders. Stream files are well suited for storing strings of data such as the text of a document, images, audio, and video. The content and format of stream files are managed by the application rather than by the system.

Supervisor Call 99

Supervisor Call 99 the system-related name for dynamic allocation (see DYNALLOC shown on page 125 or Dynamic Allocation shown on page 125).

SVC99

See Supervisor Call 99 shown above.

System Library

The library shipped with the operating system that contains objects, such as authorization lists and device descriptions created by a user. Also included are system commands and other system objects required to run the system. The system identifier is QSYS (shown on page 131).

System Processor

The operating system logic that contains the processor function to translate and process OS/400 control language commands and programming language statements.

System/36 Environment

A function of the OS/400 operating system that processes most of the System/36 operator control language (OCL) statements, programs, and procedure statements to run System/36 application programs and allows the user to process the control language (CL) commands.

System/38 Environment

A function of the OS/400 operating system that processes most of the System/38 operator control language (OCL) statements, programs, and procedure statements to run System/38 application programs and allows the user to process the control language (CL) commands.

Tape Cartridge

A formed case containing a small reel of magnetic tape that can be put into a tape drive without stringing the tape between reels.

Tape Drive

A hardware device that is used to read and write information on magnetic tapes or cartridges.

Tape Volume

A single reel of magnetic tape. May also be used to describe a single tape cartridge.

Test Library

A user-defined library used for debugging software or operations. This contrasts with a Production Library shown on page 130.

Time-Sharing Option

Interactive processing software used on the System/370 operating system for remote terminals.

Time Stamp

A software mechanism for recording the current date and/or current time of day.

Translation Table

Translation tables are used by the PKZIP and PKUNZIP programs for translating characters in compressed text files between the ASCII character sets used within a ZIP archive and the EBCDIC character set used on IBM-based systems. These tables may be created and modified by the user as documented in the User's Guide.

Trigger

A set of predefined actions that run automatically whenever a specified action or change occurs (e.g., a change to a specified table or file). Triggers are often used to automate environments, such as running a backup when a certain number of transactions are processed.

Truncate

To cut off or delete the data that will not fit within a specified line width or display. This may also be attributed to data that does not fit within the specified length of a field definition.

Unit

The defined space within designated disk units that is addressed by the operating system.

Universal Time Coordinated (UTC)

A synonym for Greenwich Mean Time (GMT) (shown on page 126) which is the mean solar time of the meridian of Greenwich, England, and is the prime basis of standard time throughout the world.

User Interface

The actions or items that allow a user to interact with (and/or perform operations on) a computer.

UTC

See Universal Time Coordinated (UTC) (shown on page 133) or Greenwich mean time shown on page 126.

Variable-Length

A characteristic of a file in which the individual records (and/or the file itself) can be of varying length. See also Fixed-Length shown on page 126.

Virtual Storage Access Method

The Virtual Sequential Access Method (VSAM) is an access method for the direct or sequential processing of fixed-length and variable-length records on direct access devices. The records in a VSAM dataset or file can be organized in logical sequence by a key field (key sequence dataset or KSDS), in the physical sequence in which they are written on the dataset or file (entry-sequence or PS), or by relative-record number (RR). The datasets are managed by the IDCAMS utility program (shown on page 127) and is utilized by commands and macros from within application programs.

VTOC

See Volume Table of Contents shown below.

Volume

A storage device that can be taken off the system as an individual unit (e.g., magnetic tape, disk, or diskette).

Volume Label

A standard tape or cartridge contains a VOL1 label as the first record of the tape (80 bytes with VOL1 beginning in the first position). The label is used to identify the tape volume and its owner.

Volume Table of Contents (VTOC)

An area on a disk or diskette that contains descriptions (e.g., location, size, and other characteristics) of the files, libraries, and folders that exist on the disk or diskette.

VSAM

See Virtual Storage Access Method shown above.

ZIP Archive

A ZIP archive is used to refer to a single dataset that contains a number of files compressed into a much smaller physical space by the ZIP software.

3270 Display Emulation

A personal computer-based program that allows a PC to perform like a 5250 display station or printer. The program will allow use of the various AS/400 system functions.

5250 Emulation

A personal computer-based program that allows a PC to perform like a 5250 display station or printer. The program will allow use of the various AS/400 system functions.

Index