



Limited Sources Justification and Approval (J&A)

Contracting Activity: AFSC/PZIOB

Purchase Request / Local ID Number: F3Q3AH1055AC01

Program / Project (and PE, if applicable): Dell EMC Data Domain 6900 - Backup Storage Tech Refresh

Program Type (PEO or Enterprise/Operational): Operational

Authority: Multiple Award Schedule Program ([FAR 8.405-6](#))

Estimated Contract Cost (including options):

Is this a Bridge Action as defined in the [AF Bridge Action Reduction Plan](#)? Yes No

Description of Limitation:

Brand name only for Dell EMC Data Domain 6900 series storage arrays. No other source will satisfy the requirements due to interoperability, compatibility, and performance with existing hardware and software.

COORDINATION ([AFFARS 5306.304\(a\)](#))

Date	Project Lead / Program Mgr / Requiring Activity 78 ABW/SCOO	Signature
Date 10 Jun 2021	Contracting Officer AFSC/PZIOB	Signature
Date 16 Jun 2021	Local Legal Reviewer 78 ABW/JA	Signature

APPROVAL ([AFFARS 5306.304\(a\)](#))

Date 25 Jun 2021	Competition Advocate AFSC/PZCA /	Signature
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I. Contracting Activity.

AFSC/PZIOB, [Redacted]

Limited Sources Justification

Purchase Request: F3Q3AH1055AC01

II. Nature and/or description of the action being processed.

The contracting activity is requesting approval of a brand name justification to purchase two Dell EMC Data Domain 6900s in support of the Robins Enterprise Data Center (REDC) backup infrastructure. This requirement will be awarded as a new Firm Fixed Price (FFP) delivery order on the GSA 2GIT (2nd Generation Information Technology) Blanket Purchase Agreement (BPA) Schedule #33411. The delivery schedule is 6-weeks After Receipt of Order (ARO). This requirement will be competed among authorized GSA scheduled small business vendors listed at the following web link:

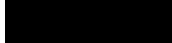
https://www.gsaadvantage.gov/images/advdata/2git/2GIT_BPA_Vendors.pdf

III. Description of the supplies/services required to meet the agency's needs.

This requirement is for purchase of two Dell EMC Data Domain 6900s storage arrays that meet the following characteristics:

- Simultaneous access to Common Internet File System (CIFS) and Network File System (NFS) protocols
- Source based, self-tuning, and variable length deduplication for maximum compression and performance (Fixed-Block deduplication will not meet this requirement)
- Support data integrity checks through inline write/read verifications, continuous fault detection, and self-healing algorithms that can repair bit errors
- In-flight encryption, utilizing AES 256 bit or better algorithms, of backup data from client to the backup target
- Support Federal Information Processing Standard (FIPS) 140-2 certified encrypted replication between sites
- Integrate with Avamar replication technologies
- Storage must be protected through dual parity such as RAID 6 and support hot spares

The Dell EMC Data Domain 6900s storage arrays will include a 5-year warranty of hardware and software. The delivery schedule is 6-weeks ARO. The total price of this requirement is



A nominal Contract Line Item Number (CLIN) structure and item description / part number listing is as follows:

CLIN	Description	Qty	Unit Price	Total Price
0001	Dell EMC Data Domain	1	[Redacted]	[Redacted]



6900 Storage Array

<u>Item Description</u>	<u>Mfg Part #</u>	<u>Qty</u>
CONTROLLER DD6900 NFS CIFS	210-ATZK	1
Dell Hardware Limited Warranty Initial Year	827-4027	1
ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 1 Year	827-4084	1
ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 4 Years Extended	827-4088	1
ProSupport Plus: Mission Critical 7x24 HW/SW Tech Support and Assistance 5 Years	827-4095	1
	951-2015	1
Dell Hardware Limited Warranty Plus On Site Service Extended Year	955-9041	1
US Order	332-1286	1
LICENSE BASE DD OE =IA	528-BYIF	1
DOD Gloss Poly UID Label 2 X 0.50	389-DRZZ	1
SYSTEM DD6900 NFS CIFS	321-BEYX	1
ProDeploy Plus Training Credits 400 Redeem at education.dellemc.com Expires 1Yr from Order Date	812-4008	1
ProDeploy Plus Dell EMC Avamar with Data Domain Boost	821-9270	1
ProDeploy Plus Dell EMC Avamar with Data Domain Boost Deployment Verification	821-9271	1
ProSupport Plus Mission Critical, Operating Environment, Software Support, Contract 5 Years	827-6799	1
Keep your Hard Drive For Enterprise 5 Years	844-0725	1
ProSupport Plus Mission Critical, Operating Environment, Software Support/Maintenance 5 Years	827-6139	1
ISG Product (info)	379-BDPD	1
ProDeploy Plus Training Credits 500 Redeem at education.dellemc.com Expires 1Yr from Order Date	812-4037	1
Prodeploy Plus for PowerProtect Data Domain 6XXX 9XXX	827-4637	1
Prodeploy Plus for PowerProtect Data Domain 6XXX 9XXX Deployment Verification	827-4638	1
Education Services - PowerProtect DD Systems Admin Instructor Led Training Expire 1YR	844-3821	1
Education Services - Dell EMC Proven Professional Exam Voucher Expire1YR	844-7852	1
	379-BDTQ	1
DD 10GSFP IO MODULE 4Port Full Height	406-BBPD	2
DD 10GSFP IO MODULE NDC	406-BBPE	1
DD 12G 4 port SAS HBA	406-BBPF	2
DD 1.92TB internal Cache SSD	400-BHKT	2
PDU 1M Included	800-BBSX	2
XCVR 10GbE SR SFP	407-BCHR	8
DD 3M SAS HD FLEX	470-ADZE	1
DD6900 Field Install kit	619-APON	1
	800-BBQV	1
DD DS60 SHELF Field	210-ATZY	1
Dell Hardware Limited Warranty Initial Year	827-4698	1
ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 1 Year	827-4748	1



ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 4 Years Extended	827-4752	1
ProSupport Plus: Mission Critical 7x24 HW/SW Tech Support and Assistance 5 Years	827-4759	1
	951-2015	1
Dell Hardware Limited Warranty Plus On Site Service Extended Year	955-9041	1
ProSupport Plus Mission Critical, DD Replication, 1TB, Software Support/Maintenance 5 Years	827-6259	240
US Order	332-1286	1
DOD Gloss Poly UID Label 2 X 0.50	389-DRZZ	1
	379-BDTQ	1
ProDeploy Plus Training Credits 500 Redeem at education.dellemc.com Expires 1Yr from Order Date	812-4037	1
Prodeploy Plus PowerProtect Data Domain Installation DS Expansion Shelf	827-5808	1
Prodeploy Plus PowerProtect Data Domain Installation DS Expansion Shelf Deployment Verification	827-5809	1
ProSupport Plus Mission Critical, DD Boost, 1TB, Software Support, Contract 5 Years	827-6899	1
ProSupport Plus Mission Critical, DD Replication, 1TB, Software Support, Contract 5 Years	827-6919	1
DD Replication Software 1TB Raw=CB	528-BYIT	240
Keep your Hard Drive For Enterprise 5 Years	844-0725	1
ProSupport Plus Mission Critical, DD Boost, 1TB, Software Support/Maintenance 5 Years	827-6239	240
ISG Product (info)	379-BDPD	1
Prodeploy Plus for DSXX	827-5814	1
Prodeploy Plus for DSXX Deployment Verification	827-5815	1
ProSupport Plus Mission Critical, DD New, 1TB, Software Support/Maintenance 5 Years	827-6279	240
5 Years ProSupport Plus Mission Critical DD Raw DS60 4TB Active 1TB Sftwr Spt-Maint	852-9589	240
DD New Software 1TB Raw=CB	528-BYIR	240
DD Boost Software 1TB Raw=CB	528-BYIS	240
DS60 4TB Active 1TB Raw=CB	528-CQOF	240
ProSupport Plus Mission Critical, DD New, 1TB, Software Support, Contract 5 Years	827-6939	1
5 Years ProSupport Plus Mission Critical DD Raw DS60 4TB Active 1TB Sftwr Spt-Contract	852-9432	1
HDD 12G DISK PK 15X4TB SAS FL DS60	400-BMDQ	4
FIELD INSTALLED DAE	800-BBSU	1
	800-BBQV	1
ProSupport Plus Mission Critical 4 Hour HDD 15X4TBCptyPackAdOn 5 Years	827-6114	4

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ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 1 Year	827-4084	1
ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 4 Years Extended	827-4088	1
ProSupport Plus: Mission Critical 7x24 HW/SW Tech Support and Assistance 5 Years	827-4095	1
	951-2015	1
Dell Hardware Limited Warranty Plus On Site Service Extended Year	955-9041	1
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ProSupport Plus: Mission Critical 4-Hour 7x24 On-Site Service with Emergency Dispatch 4 Years Extended	827-4752	1
ProSupport Plus: Mission Critical 7x24 HW/SW Tech Support and Assistance 5 Years	827-4759	1
	951-2015	1
Dell Hardware Limited Warranty Plus On Site Service Extended Year	955-9041	1

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ProSupport Plus Mission Critical, DD Replication, 1TB, Software Support/Maintenance 5 Years	827-6259	240
US Order	332-1286	1
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ProSupport Plus Mission Critical 4 Hour HDD 15X4TBCptyPackAdOn 5 Years	827-6114	4

IV. Identification of the justification/rationale for limiting sources and demonstration of the contractor's unique qualifications to provide the required supply/service.

FAR 8.405-6 requires an ordering activity to justify its actions when restricting consideration of schedule contractors to fewer than required in FAR 8.405-1 or 8.405-2.

FAR 8.405-6(b) (1), "The item is peculiar to one manufacturer. A brand name item, whether available on one or more schedule contracts, is an item peculiar to one manufacturer."

Purchasing the Dell EMC Data Domain 6900 storage array will right-size the REDC environment. It will lower the total cost of ownership over the next five years and provide a compatible and efficient replication target for off-site backups to be stored. Cost are anticipated to be lower because the annual cost of maintenance for the current system continues to increase



[REDACTED]

every year at a rate of 10% percent and the current system will reach end of service life in July 2022. Systems that are end of service life no longer receive hardware or software support from the manufacturer and therefore exponentially increase the risk and cost associated with maintaining them in a production environment. The storage array servers will provide higher performance as the current equipment is close to its end of life and server performance erodes by 14% annually on average.

The Dell EMC Data Domain 6900 meets all the requirements listed in Section III while being a market leader for deduplicated storage. The compatibility of these storage arrays into the REDC will build efficiencies. Compatibility of storage arrays is critical and proven to provide higher deduplication/compression rates of data by 2.94 times over other commercial products. In effect, the Data Domain 6900 is shown to provide almost 3-times the storage capacity at the same cost of other commercial arrays. Additionally, the compatibility with the current Data Domain provides a streamlined and efficient process to migrate all the existing data to the new storage array saving man-hours during the implementation of the replacement systems.

If the Dell EMC Data Domain 6900 are not utilized the Government is at risk of loss of the efficient source based, self-tuning, and variable length deduplication, WAN optimized replication with the Avamar software, and a multi-faceted data invulnerability architecture. Use of an alternate product may lead to increased time and cost associated with training personnel on a different system.

Technical configurations were researched and compiled to assess other products that could potentially meet the replacement requirements of the existing data array storage equipment. Other products were evaluated and it was determined the Dell EMC Data Domain 6900 is the only equipment that meets the Government's requirement due to the compatibility with the existing equipment and software in the REDC. The Dell EMC Data Domain 6900 will ensure the REDC continues to meet all Service Level Agreements with customers, provide a simple replacement process, and enables off-site replication that is optimized for WAN circuits.

V. Determination by the ordering activity Contracting Officer that the order represents the best value consistent with FAR 8.404(d).

The Government will ensure that the price is fair and reasonable in accordance with FAR 8.404 (d) Pricing. It is anticipated that a best value determination will be achieved through competition among GSA 2GIT small business vendors. Price analysis will be conducted and other than cost or pricing data may be obtained, if necessary.

VI. Description of the market research conducted and the results, or explain why market research was not conducted.

Market research was conducted 20 Apr 2021 through 26 Apr 2021 in accordance with FAR Part 10.001 and 10.002. The market research report was completed on 06 May 2021. Market research techniques used were Internet searches, GSA 2GIT searches, input from Government

[REDACTED]

[REDACTED]

subject matter experts (SMEs) in the market, and one-on-one industry sessions with various vendors and their offerings.

Query of GSA 2GIT indicated 58 potential small business vendors.

Nothing was returned by searching "EMC" on the AbilityOne.gov product list.

The Dell EMC Data Domain 6900 is a commercial-off-the-shelf product that is sold to the Government and commercial sector. It is not being manufactured to meet special Government specifications, therefore the item meets the definition of a commercial product.

These techniques resulted in a limited source brand name selection being made of the Dell EMC Data Domain 6900 system. The Dell EMC Data Domain 6900 system offers many efficiencies and compatibility with the existing technologies at Robins AFB that are lost when purchasing different systems.

VII. Other facts supporting the justification.

None.

VIII. Actions the agency may take to remove or overcome any barriers that led to the restricted consideration before any subsequent acquisition for the supplies or services.

The acquisition is expected to result in limited competition among GSA 2GIT vendors. The plan to remove or overcome barriers to competition is for the 78 ABW/SCOO to continually look for new technologies and tools to address the REDC's needs. They will continue to scour the market and host vendors to present their new technologies and solutions for consideration of future requirements. In addition, they will continue to monitor findings and take advantage of innovated and cost saving solutions that can meet the Government's future requirements.

There was no previous justification, therefore higher level approval of this justification in accordance with DFARS PGI 208.405-6(2) does not apply.

IX. Certification by the Contracting Officer.

As evidenced by my signature on the Coordination and Approval Document (CAD), I have determined this document to be both accurate and complete to the best of my knowledge and belief.

X. Certification by the technical/requirements personnel.

As evidenced by my (our) signature(s) on the CAD, I (we) certify that any supporting data contained herein, which is my (our) responsibility, is both accurate and complete.

[REDACTED]