SUBJECT: PIGGYBACK GSA MULTIPLE AWARD SCHEDULE CONTRACT NO. 47QTCA18D0005E CLOUD & CLOUD RELATED IT PROFESSIONAL SERVICES

BID #: PSC-0503-20 **OPEN DATE: 01/16/2018**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: PIGGYBACK CONTRACT – ONE (1) YEAR WITH RENEWAL OPTION UNTIL JAN. 15, 2023.

AGENCY: CLERK OF CIRCUIT & COUNTY COURTS

BASIS OF AWARD: PIGGYBACK GSA MULTIPLE AWARD SCHEDULE CONTRACT NO. 47QTCA18D0005E CLOUD & CLOUD RELATED IT PROFESSIONAL SERVICES

NUMBER OF BIDS INVITED: ( ) NUMBER RECEIVED: ( ) OTHER ( )

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to PIGGYBACK GSA MULTIPLE AWARD SCHEDULE CONTRACT NO. 47QTCA18D0005E CLOUD & CLOUD RELATED IT PROFESSIONAL SERVICES with DSM Technology Consultants LLC for Disaster Recovery Management Services. The requested total amount expenditure not-to-exceed $142,675.32. Period of service will be from October 1, 2020 through September 30, 2021, with renewal option until January 15, 2023.

Funding for this award to be encumbered by state funding and to be executed by individual purchase order(s).

ATTACHMENTS: Recommendation Memo; Risk Approval; GSA Contract; Vendor Quote

ANALYST: _____ **RESPECTFULLY SUBMITTED** _____
RUBEN OLA GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Jennifer Spinelli, Deputy Chief Financial Officer, Clerk of Circuit and County Courts

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(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE
MEMBERS APPROVING ____ MEMBERS DISAPPROVING ____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

Clerk of the Circuit & County Courts
DUVAL COUNTY
JACKSONVILLE, FLORIDA 32202

RONNIE FUSSELL
CLERK OF THE CIRCUIT AND COUNTY COURT

July 28, 2020

To: Gregory Pease, Chief of Procurement

Thru: Jennifer Spinelli, Deputy Chief Financial Officer

From: Austin Eler, Senior Specialist - Purchasing

Subject: Piggyback Request to GSA Mass Schedule and DSM Technology Consultants LLC

The Clerk of the Circuit and County Courts is requesting to piggyback GSA Mass Schedule, Alternate Contract Source No. 47QTCA18D0005E between the State of Florida's Department of Management Services and DSM Technology Consultants LLC, for the purchase of disaster recovery management services for the period of 10/1/2020 through 9/30/2021 with an optional, one-year renewal and an optional, partial-year renewal through 1/15/2023 which is the end of the contract period. The total expenditure is not expected to exceed $142,675.32 and will be encumbered using state funding as defined by FS 28.37(5). The account to be used is reported in the city's CAFR, and as a part of our consolidated structure the Clerk's office requests piggyback award.

Attached:
- DSM Proposed GSA Contract Pricing spreadsheet
- DSM Contract 47QTCA18D005E
- GSA 70 Authority signed
- GSA 70 ACS Instructions Document
- DSM Certificate of Insurance

501 West Adams Street, Suite 2350
Jacksonville, Florida 32202
Telephone: 904-255-2097 Facsimile: 904-255-2157

Proposed GSA Contract Pricing						
Line Item	Service Details	Unit Price / Months		Quantity	Price	Total Amount
DSM-60	DIR-DSM-SSP-VCC-R-VM DSM VCC - VM Replication per VM	$ ($18.13 times 12 months = 217.56)	18.13	52	$ 217.56	$ 11,313.12
DSM - 134	DSM -DP-STOR-WH199-VCC DSM Protect VCC Storage per GB	$	0.05	28000	0.6	$ 16,800.00
DSM 135	Veeam Availability Suite Enterprise per VM License 12.25X12 months = $147			154	$ 147.00	$ 22,638.00
DSM -155	DIR-DSM-ACT-STaaS - Duval Data Protection - On Premise DSM Protect Storage Appliance	$ (2015.11 times 12 months = $24,181.32)	2,015.11	1	$ 24,181.32	$ 24,181.32
DSM-58	DIR-DSM-SSP-VCC-B-VM DSM VCC - VM Backup Copy Replication per VM	($9.06 times 12 months = $108.72	9.06	154	$ 108.72	$ 16,742.88
DSM-134	DSM-DP-STOR-WH199-VCC DSM Protect VCC Storage per GB	(.05 times 12 months = .60)	0.05	85000	$ 0.60	$ 51,000.00
						$ 142,675.32

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/4/2020

APPROVED
By WVerdejo at 7:11 am, Aug 18, 2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Heacock Insurance Group, LLC
100 East Main Street
Lakeland FL 33801

CONTACT NAME: Sharon Wheeler
PHONE (A/C, No, Ext): 863-683-2228 FAX (A/C, No): 863-683-3309
E-MAIL ADDRESS: swheeler@heacock.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Hanover American	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED DSMNINC-01
DSM Technology Consultants LLC
6810 New Tampa Hwy, Ste# 400
Lakeland FL 33815

COVERAGES **CERTIFICATE NUMBER:** 2097659760 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y	Y	ZZJD73938401	11/1/2019	11/1/2020	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 15,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY	Y	Y	ZZJD73938401	11/1/2019	11/1/2020	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR	Y	Y	UHJD73938601	11/1/2019	11/1/2020	EACH OCCURRENCE	$ 3,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED X RETENTION $ 0							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE / OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	PE&O-Prof Errors & Omissions			LHJD73938501	11/1/2019	11/1/2020	Aggregate Limit Each Claim Limit	$3,000,000 $3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
City of Jacksonville is listed as additional insured as respects to General Liability, Auto Liability and Umbrella Liability
Blanket Waiver of Subrogation in favor of City of Jacksonville
Blanket Primary and Non-Contributory

CERTIFICATE HOLDER

City of Jacksonville
117 W. Duval Street, Suite 335
Jacksonville FL 32202

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Edward Chiarciello

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 08/17/2020

APPROVED
By WVerdejo at 7:08 am, Aug 18, 2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER	CONTACT NAME:
Mary Storti c/o Paychex Insurance Agency, Inc. 150 Sawgrass Drive Rochester, NY 14620	PHONE (A/C, No, Ext): (877) 266-6850 FAX (A/C, No): E-MAIL ADDRESS: pbscerts@paychex.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Paychex Business Solutions, LLC Alt. Emp: Dsm Technology Consultants 911 Panorama Trail South Rochester, NY 14625	INSURER A: American Zurich Insurance Company	40142
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 20FL0951020657 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE / OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY / PRO-JECT / LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB / OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB / CLAIMS-MADE						AGGREGATE	$
	DED / RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WC 12-68-329-00	06/01/2020	06/01/2021	X PER STATUTE / OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
				Location Coverage Period:	06/01/2020	06/01/2021	Client# 20006300-FL	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Coverage is provided for only those co-employees of, but not subcontractors to:
Dsm Technology Consultants
6810 New Tampa Hwy Suite 600
Lakeland, FL 33815

CERTIFICATE HOLDER

City of Jacksonville
17 W. Duval St, Suite 335
Jacksonville, FL 32202

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mary P Storti

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GENERAL SERVICES AMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG/PRICE LIST

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA** *Advantage!*, a menu-driven database system. The INTERNET address for **GSA** *Advantage!* is **http://www.gsaadvantage.gov**

SCHEDULE TITLE: Multiple Award Schedule

FSC GROUP, PART AND SECTION OR STANDAR INDUSTRIAL GROUP: SIN 518210C – Cloud & Cloud Related IT Professional Services

FSC CLASS(ES)/PRODUCT CODE(S) AND /OR SERVICE CODES: FSC/PSC Class D305 IT AND TELECOM- Teleprocessing, Timeshare, and Cloud Computing

CONTRACT NUMBER: 47QTCA18D005E

MODIFICATION NUMBER: PS-0010 dated 6/9/20

CONTRACT PERIOD: January 16, 2018 – January 15, 2023

For more information on ordering from Federal Supply go to this website: www.gsa.gov/schedules

CONTRACTOR: **DSM TECHNOLOGY CONSULTANTS LLC (DSM)**
6810 New Tampa Hwy, Ste. 600
Lakeland, FL 33815
Phone number: 863-904-6961
Fax number: 813-435-2166
E-Mail: kmuehlberger@dsm.net

CONTRACTOR'S ADMINISTRATION SOURCE: Karl Muehlberger, CCAO
6810 New Tampa Hwy, Ste. 600
Lakeland, FL 33815
Phone number: 863-904-6961
Fax number: 813-435-2166
E-Mail: kmuehlberger@dsm.net

BUSINESS SIZE: Small Business

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TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF CLOUD COMPUTING PRODUCTS AND CLOUD RELATED IT PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 518210C)

1. SCOPE

The prices, terms and conditions stated under Special Item Number (SIN) 518210C Cloud Computing Services (i.e. IaaS, etc.) and Cloud-Related Professional Services apply exclusively to Cloud Computing Services (i.e. IaaS, etc.) and Cloud-Related Professional Services within the scope of this Information Technology Schedule.

This SIN provides ordering activities with access to Cloud (i.e. SaaS, etc.) technical services that run in cloud environments and meet the NIST Definition of Cloud Computing Essential Characteristics. Cloud Services [(i.e. SaaS, etc.)] relating to or impinging on cloud that do not meet all NIST essential characteristics should be listed in other SINs. (For example: Software subscription services or Software as a Service offerings that do not meet the essential "measured service" requirement may meet the definition of "Term Licenses" under SIN 132-32. See the

Measured Service requirement in Table 2, below.)

The scope of this SIN is limited to cloud capabilities provided entirely as a "pay as you go" service and cloud-related IT professional services. Hardware, software and other artifacts acquired to supporting the physical construction of a private or other cloud are out of scope for this SIN. Currently, an Ordering Activity can procure the hardware and software needed to build private on premise cloud functionality, through combining different services on other IT Schedule 70 SINs.

Sub-categories in scope for this SIN are the three NIST Service Models: Software as a Service (SaaS), Platform as a Service (PaaS), and Infrastructure as a Service (IaaS). Offerors may optionally select a single sub-category that best fits a proposed cloud service offering. Only one sub-category may be selected per each proposed cloud service offering. Offerors may elect to submit multiple cloud service offerings, each with its own single sub-category. The selection of one of three sub-categories does not prevent Offerors from competing for orders under the other two sub-categories.

See service model guidance for advice on sub-category selection.

Sub-category selection within this SIN is optional for any individual cloud service offering, and new cloud computing service (i.e. IaaS, etc.) technologies that do not align with the aforementioned three sub-categories may be included without a sub-category selection so long as they comply with the essential characteristics of cloud computing as outlined by NIST.

See Table 1 for a representation of the scope and sub-categories.

Cloud Computing Services (i.e. IaaS, etc.)

SIN Description	Sub-Categories[1]
• Commercially available cloud computing services • Meets the National Institute for Standards and Technology (NIST) definition of Cloud Computing essential characteristics • Open to all deployment models (private, public, community or hybrid), vendors specify deployment models	**1.** Software as a Service (SaaS): Consumer uses provider's applications on cloud infrastructure. Does not manage/control platform or infrastructure. Limited application level configuration may be available. **2.** Platform as a Service (PaaS): Consumer deploys applications onto cloud platform service using provider-supplied tools. Has control over deployed applications and some limited platform configuration but does not manage the platform or infrastructure. **3.** Infrastructure as a Service (IaaS): Consumer provisions computing resources. Has control over OS, storage, platform, deployed applications and some limited infrastructure configuration, but does not manage the infrastructure.

[1] Offerors may optionally select the single sub-category that best fits each cloud service offering, per Service Model Guidance, or select no sub-category if the offering does not fit an existing NIST service model.

2. DESCRIPTION OF CLOUD COMPUTING SERVICES (i.e. IaaS, etc.) AND PRICING

a. Service Description Requirements for Listing Contractors

The description requirements below are in addition to the overall Schedule 70 evaluation criteria described in SCP-FSS-001-N Instructions Applicable to New Offerors (Alternate I – MAR 2016) or SCP-FSS-001-S Instructions Applicable to Successful FSS Program Contractors, as applicable, SCP-FSS-004 and other relevant publications.

Refer to overall Schedule 70 requirements for timelines related to description and other schedule updates, including but not limited to clauses 552.238-81 – section E and clause I-FSS-600.

Table 2 summarizes the additional Contractor-provided description requirements for services proposed under the Cloud Computing Services (i.e IaaS, etc.). All mandatory description requirements must be complete, and adequate according to evaluation criteria.

In addition there is one "Optional" reporting descriptions which exists to provide convenient service selection by relevant criteria. Where provided, optional description requirements must be complete and adequate according to evaluation criteria:

(1) The NIST Service Model provides sub-categories for the Cloud SIN and is strongly encouraged, but not required. The Service Model based sub-categories provide this SIN with a structure to assist ordering activities in locating and comparing services of interest. Contractors may optionally select the single service model most closely corresponding to the specific service offering.

(2) If a sub-category is selected it will be evaluated with respect to the NIST Service Model definitions and guidelines in "Guidance for Contractors".

Table 2: Cloud Service Description Requirements

#	Description Requirement	Reporting Type	Instructions
1	Provide a brief written description of how the proposed cloud computing services (i.e.	Mandatory	The cloud service must be capable of satisfying each of the five NIST essential Characteristics as outlined in NIST Special Publication 800-145. See 'GUIDANCE FOR CONTRACTORS: NIST

#	Description Requirement	Reporting Type	Instructions
	IaaS, etc.) satisfies each individual essential NIST Characteristic		Essential Characteristics' below in this document for detailed overall direction, as well as guidance on inheriting essential characteristics. The NIST "Measured Service" characteristic requires a minimal "pay as you go" unit of measurement appropriate for the service. In the case of SaaS, the appropriate maximum measured increment of service shall be no more than 30 days per user, or some other equivalent discrete measurement that provides the government with the advantage of frequent (approximately every 30 days) "pay as you go" metering cycles. SaaS products, where consumption is only measured on an annual basis, may better fit under "Term Software License" SIN 132-32. Likewise, offers of any combinations of IaaS, PaaS or any other cloud product services in a bundle or other fashion that do not meet the frequency requirements of approximately 30-day measurement and billing cycles, will not be accepted as complying with the NIST Measured Service characteristic.
2	Select NIST deployment models for the cloud computing service proposed.	Mandatory	Contractors must select at least one NIST deployment model as outlined in NIST Special Publication 800- 145 describing how the proposed cloud computing service is deployed. Select multiple deployment models if the service is offered in more than one deployment model. See 'GUIDANCE FOR CONTRACTORS: NIST Deployment Model' below in this document for detailed direction on how to best categorize a service for the NIST deployment models.
3	Optionally select the most appropriate NIST service model that will be the designated sub-category, or may select no sub-category.	Optional	Contractor may select a single NIST Service model to sub- categorize the service as outlined in NIST Special Publication 800-145. Sub-category selection is optional but recommended. See 'GUIDANCE FOR CONTRACTORS: NIST Service Model' below in this document for detailed direction on how to best categorize a service for the NIST IaaS, PaaS, and SaaS service models.

a. Pricing of Cloud Computing Services

All current pricing requirements for Schedule 70, including provision SCP-FSS-001-N (Section III Price Proposal), SCP-FSS-001-S, SCP-FSS-004 (Section III Price Proposal), and clause I-FSS-600 Contract Price Lists, apply. At the current time there is no provision for reducing or eliminating standard price list posting requirements to accommodate rapid cloud price fluctuations.

In addition to standard pricing requirements, all pricing models must have the core capability to meet the NIST Essential Cloud Characteristics, particularly with respect to on-demand self-service, while allowing alternate variations at the task order level at agency discretion, pursuant to the guidance on NIST Essential Characteristics.

3. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State,

City, or otherwise) covering work of this character.

a. Acceptance Testing

Any required Acceptance Test Plans and Procedures shall be negotiated by the Ordering Activity at task order level. The Contractor shall perform acceptance testing of the systems for Ordering Activity approval in accordance with the approved test procedures.

b. Training

If training is provided commercially the Contractor shall provide normal commercial installation, operation, maintenance, and engineering interface training on the system. Contractor is responsible for indicating if there are separate training charges.

c. Information Assurance/Security Requirements

The contractor shall meet information assurance/security requirements in accordance with the Ordering Activity requirements at the Task Order level.

d. Related Professional Services

The Contractor is responsible for working with the Ordering Activity to identify related professional services and any other services available on other SINs that may be associated with deploying a complete cloud service (i.e. IaaS, etc.) solution. Any additional substantial and ongoing IT professional services related to the offering such as assessing, preparing, refactoring, migrating, DevOps, developing new cloud based applications and managing/governing a cloud implementation may be offered per the guidelines below.

e. Performance of Cloud Computing Services (i.e. IaaS, etc.)

The Contractor shall respond to Ordering Activity requirements at the Task Order level with proposed capabilities to Ordering Activity performance specifications or indicate that only standard specifications are offered. In all cases the Contractor shall clearly indicate standard service levels, performance and scale capabilities.

The Contractor shall provide appropriate cloud computing services (i.e. IaaS, etc.) on the date and to the extent and scope agreed to by the Contractor and the Ordering Activity.

f. Reporting

The Contractor shall respond to Ordering Activity requirements and specify general reporting capabilities available for the Ordering Activity to verify performance, cost and availability.

In accordance with commercial practices, the Contractor may furnish the Ordering Activity/user with a monthly summary Ordering Activity report.

4. RESPONSIBILITIES OF THE ORDERING ACTIVITY

The Ordering Activity is responsible for indicating the cloud computing services requirements unique to the Ordering Activity. Additional requirements should not contradict existing SIN or IT Schedule 70 Terms and Conditions. Ordering Activities should include (as applicable) Terms & Conditions to address Pricing, Security, Data Ownership, Geographic Restrictions, Privacy, SLAs, etc.

Cloud services typically operate under a shared responsibility model, with some responsibilities assigned to the Cloud Service Provider (CSP), some assigned to the Ordering Activity, and others shared between the two. The distribution of responsibilities will vary between providers and across service models. Ordering activities should engage with CSPs to fully understand and evaluate the shared responsibility model proposed. Federal Risk and Authorization Management Program (FedRAMP) documentation will be helpful regarding the security aspects of shared responsibilities, but operational aspects may require additional discussion with the provider.

a. Ordering Activity Information Assurance/Security Requirements Guidance

(1) The Ordering Activity is responsible for ensuring to the maximum extent practicable that each requirement issued is in compliance with the Federal Information Security Management Act (FISMA) as applicable.

(2) The Ordering Activity shall assign a required impact level for confidentiality, integrity and availability (CIA) prior to issuing the initial statement of work.[2] The Contractor must be capable of meeting at least the minimum security requirements assigned against a low-impact information system in each CIA assessment area (per FIPS 200) and must detail the FISMA capabilities of the system in each of CIA assessment area.

(3) Agency level FISMA certification, accreditation, and evaluation activities are the responsibility of the Ordering Activity. The Ordering Activity reserves the right to independently evaluate, audit, and verify the FISMA compliance for any proposed or awarded Cloud Computing Services.

(4) The Ordering Activity has final responsibility for assessing the FedRAMP status of the service, complying with and making a risk-based decision to grant an Authorization to Operate (ATO) for the cloud computing service, and continuous monitoring. A memorandum issued by the Office of Management and Budget (OMB) on Dec 8, 2011 outlines the responsibilities of Executive departments and agencies in the context of FedRAMP compliance. [3]

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[2] Per Federal Information Processing Standards Publication 199 & 200 (FIPS 199, "Standards for Security Categorization of Federal Information and Information Systems") (FIPS 200, "Minimum Security Requirements for Federal Information and Information Systems")

[3] MEMORANDUM FOR CHIEF INFORMATION OFFICERS: Security Authorization of Information Systems in Cloud Computing
Environments. December 8, 2011.

(5) Ordering activities are responsible for determining any additional information assurance and security related requirements based on the nature of the application and relevant mandates.

b. Deployment Model

If a particular deployment model (Private, Public, Community, or Hybrid) is desired, Ordering Activities are responsible for identifying the desired model(s). Alternately, Ordering Activities could identify requirements and assess Contractor responses to determine the most appropriate deployment model(s).

c. Delivery Schedule

The Ordering Activity shall specify the delivery schedule as part of the initial requirement. The Delivery Schedule options are found in Information for Ordering

Activities Applicable to All Special Item Numbers.

d. Interoperability

Ordering Activities are responsible for identifying interoperability requirements. Ordering Activities should clearly delineate requirements for API implementation and standards conformance.

e. Performance of Cloud Computing Services

The Ordering Activity should clearly indicate any custom minimum service levels, performance and scale requirements as part of the initial requirement.

f. Reporting

The Ordering Activity should clearly indicate any cost, performance or availability reporting as part of the initial requirement.

g. Privacy

The Ordering Activity should specify the privacy characteristics of their service and engage with the Contractor to determine if the cloud service is capable of meeting Ordering Activity requirements. For example, a requirement could be requiring assurance that the service is capable of safeguarding Personally Identifiable Information (PII), in accordance with NIST SP 800-122[4] and OMB memos M-06-16[5] and M-07-16[6]. An Ordering Activity will determine what data elements constitute PII according to OMB Policy, NIST Guidance and Ordering Activity policy.

4. NIST SP 800-122, "Guide to Protecting the Confidentiality of Personally Identifiable Information (PII)"
5. OMB memo M-06-16: Protection of Sensitive Agency Information
http://www.whitehouse.gov/sites/default/files/omb/memoranda/fy2006/m06- 16.pdf
6. OMB Memo M-07-16: Safeguarding Against and Responding to the Breach of Personally Identifiable Information
http://www.whitehouse.gov/sites/default/files/omb/memoranda/fy2007/m07-16.pdf

h. Accessibility

The Ordering Activity should specify the accessibility characteristics of their service and engage with the Contractor to determine the cloud service is capable of meeting Ordering Activity requirements. For example, a requirement could require assurance that the service is capable of providing accessibility based on Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d).

i. Geographic Requirements

Ordering activities are responsible for specifying any geographic requirements and engaging with the Contractor to determine that the cloud services offered have the capabilities to meet geographic requirements for all anticipated task orders. Common geographic concerns could include whether service data, processes and related artifacts can be confined on request to the United States and its territories, or the continental United States (CONUS).

j. Data Ownership and Retrieval and Intellectual Property

Intellectual property rights are not typically transferred in a cloud model. In general,

CSPs retain ownership of the Intellectual Property (IP) underlying their services and the customer retains ownership of its intellectual property. The CSP gives the customer a license to use the cloud services (i.e. IaaS, etc.) for the duration of the contract without transferring rights. The government retains ownership of the IP and data they bring to the customized use of the service as spelled out in the FAR and related materials.

General considerations of data ownership and retrieval are covered under the terms of Schedule 70 and the FAR and other laws, ordinances, and regulations (Federal, State, City, or otherwise). Because of considerations arising from cloud shared responsibility models, ordering activities should engage with the Contractor to develop more cloud-specific understandings of the boundaries between data owned by the government and that owned by the cloud service provider, and the specific terms of data retrieval.

In all cases, the Ordering Activity should enter into an agreement with a clear and enforceable understanding of the boundaries between government and cloud service provider data, and the form, format and mode of delivery for each kind of data belonging to the government.

The Ordering Activity should expect that the Contractor shall transfer data to the government at the government's request at any time, and in all cases when the service or order is terminated for any reason, by means, in formats and within a scope clearly understood at the initiation of the service. Example cases that might require clarification include status and mode of delivery for:

- Configuration information created by the government and affecting the government's use of the cloud provider's service.
- Virtual machine configurations created by the government but operating on the cloud provider's service.
- Profile, configuration and other metadata used to configure SaaS application services or PaaS platform services.

The key is to determine in advance the ownership of classes of data and the means by which Government owned data can be returned to the Government.

k. Service Location Distribution

The Ordering Activity should determine requirements for continuity of operations and performance and engage with the Contractor to ensure that cloud services have adequate service location distribution to meet anticipated requirements. Typical concerns include ensuring that:

Physical locations underlying the cloud are numerous enough to provide continuity of operations and geographically separate enough to avoid an anticipated single point of failure within the scope of anticipated emergency events.

(1) Service endpoints for the cloud are able to meet anticipated performance requirements in terms of geographic proximity to service requestors.

Note that cloud providers may address concerns in the form of minimum distance between service locations, general regions where service locations are available, etc.

5. GUIDANCE FOR CONTRACTORS

This section offers guidance for interpreting the Contractor Description Requirements in Table 2, including the NIST essential cloud characteristics, service models and deployment models. This section is not a list of requirements.

Contractor-specific definitions of cloud computing characteristics and models or significant variances from the NIST essential characteristics or models are discouraged and will not be considered in the scope of this SIN or accepted in response to Factors for Evaluation. The only applicable cloud characteristics, service model/subcategories and deployment models for this SIN will be drawn from the NIST 800-145 special publication. Services qualifying for listing as cloud computing services (i.e. IaaS, etc.) under this SIN must substantially satisfy the essential characteristics of cloud computing as documented in the NIST Definition of Cloud Computing SP 800-145[7].

Contractors must select deployment models corresponding to each way the service can be deployed. Multiple deployment model designations for a single cloud service are permitted but at least one deployment model must be selected.

In addition, contractors submitting Cloud services (i.e. IaaS, etc.) for listing under this SIN are encouraged to select a sub-category for each Cloud service (i.e. IaaS, etc.) proposed under this SIN with respect to a single principal NIST cloud service model that most aptly characterizes the service. Cloud Service model (i.e. IaaS, etc.) categorization is optional.

7 http://csrc.nist.gov/publications/nistpubs/800-145/SP800-145.pdf

Both Cloud service model (i.e. IaaS, etc.) and deployment model (i.e. public, etc.) designations must accord with NIST definitions. Guidance is offered in this document on making the most appropriate selection

a. NIST Essential Characteristics

General Guidance

NIST's essential cloud characteristics provide a consistent metric for whether a service is eligible for inclusion in this SIN. It is understood that due to legislative, funding and other constraints that government entities cannot always leverage a cloud service to the extent that all NIST essential characteristics are commercially available. For the purposes of the Cloud SIN, meeting the NIST essential characteristics is determined by whether each essential capability of the commercial service is available for the service, whether or not the Ordering Activity actually requests or implements the capability. The guidance in Table 3 offers examples of how services might or might not be included based on the

essential characteristics, and how the Contractor should interpret the characteristics in light of current government contracting processes.

Table 3: Guidance on Meeting NIST Essential Characteristics

Characteristic	Capability	Guidance
	• Ordering activities can directly provision services without requiring Contractor intervention. • This characteristic is typically implemented via a service console or programming interface for provisioning	Government procurement guidance varies on how to implement on-demand provisioning at this time. Ordering activities may approach on- demand in a variety of ways, including "not-to-exceed" limits, or imposing monthly or other appropriate payment cycles on what are essentially on demand services. Services under this SIN must be capable of true on-demand self-service, and ordering activities and Contractors must negotiate how they implement on

Characteristic	Capability	Guidance
On-demand self-service		demand capabilities in practice at the task order level: • Ordering activities must specify their procurement approach and requirements for on-demand service • Contractors must propose how they intend to meet the approach • Contractors must certify that on-demand self-service is technically available for their service should procurement guidance become available.
Broad Network Access	• Ordering activities are able to access services over standard agency networks • Service can be accessed and provisioned using standard devices such as browsers, tablets and mobile phones	• Broad network access must be available without significant qualification and in relation to the deployment model and security domain of the service • Contractors must specify any ancillary activities, services or equipment required to access cloud services or integrate cloud with other cloud or non-cloud networks and services. For example, a private cloud might require an Ordering Activity to purchase or provide a dedicated router, etc. which is acceptable but should be indicated by the Contractor.
Resource Pooling	• Pooling distinguishes cloud services from simple offsite hosting. • Ordering activities draw resources from a common pool maintained by the Contractor	• The cloud service must draw from a pool of resources and provide an automated means for the Ordering Activity to dynamically allocate them. • Manual allocation, e.g. manual operations at a physical server farm where Contractor staff configure servers in response to Ordering
	• Resources may have general characteristics such as regional location	Activity requests, does not meet this requirement • Similar concerns apply to software and platform models; automated provisioning from a pool is required • Ordering activities may request dedicated physical hardware, software or platform resources to access a private cloud deployment service. However the provisioned cloud resources must be drawn from a common pool and automatically allocated on request.
Rapid Elasticity	• Rapid provisioning and de-provisioning commensurate with demand	• Rapid elasticity is a specific demand-driven case of self-service • 'Rapid' should be understood as measured in minutes and hours, not days or weeks. • Elastic capabilities by manual request, e.g. via a console operation or programming interface call, are required. • Automated elasticity which is driven dynamically by system load, etc. is optional. Contractors must specify whether automated demand-driven elasticity is available and the general mechanisms that drive the capability.
Measured Service	• Measured service should be understood as a reporting requirement that enables an Ordering Activity to control their use in cooperation with self service	• Procurement guidance for on-demand self- service applies to measured service as well, i.e. rapid elasticity must be technically available but ordering activities and Contractors may mutually designate other contractual arrangements. • Regardless of specific contractual arrangements, reporting must indicate actual usage, be continuously available to the Ordering Activity, and provide meaningful metrics appropriate to the service measured • Contractors must specify that measured service is available and the general sort of metrics and mechanisms available • The goal of the Measured Service requirement is to ensure Ordering Activities realize the full benefit of "pay as you go" consumption models. Consumption measurements that are not discrete enough or frequent enough (greater than 30 days), will not fulfill this NIST essential characteristic and will not be eligible for inclusion in this SIN.

Inheriting Essential Characteristic

Cloud Services (i.e. IaaS, etc.) may depend on other cloud services, and cloud service models such as PaaS and SaaS are able to inherit essential characteristics from other cloud services that support them. For example a PaaS platform service can inherit the broad network access made available by the IaaS service it runs on, and in such a situation would be fully compliant with the broad network access essential characteristic. Cloud Services (i.e. IaaS, etc.) inheriting essential characteristics must make the inherited characteristic fully available at their level of delivery to claim the relevant characteristic by inheritance.

Inheriting characteristics does not require the inheriting provider to directly bundle or integrate the inherited service, but it does require a reasonable measure of support and identification. For example, the Ordering Activity may acquire an IaaS service from "Provider A" and a PaaS service from "Provider B". The PaaS service may inherit broad network access from "Provider A" but must identify and support the inherited service as an acceptable IaaS provider.

Assessing Broad Network Access

Typically broad network access for public deployment models implies high bandwidth access from the public internet for authorized users. In a private cloud deployment internet access might be considered broad access, as might be access through a dedicated shared high bandwidth network connection from the Ordering Activity, in accord with the private nature of the deployment model.

Resource Pooling and Private Cloud

All cloud resource pools are finite, and only give the appearance of infinite resources when sufficiently large, as is sometimes the case with a public cloud. The resource pool supporting a private cloud is typically smaller with more visible limits. A finite pool of resources purchased as a private cloud service qualifies as resource pooling so long as the resources within the pool can be dynamically allocated to the ultimate users of the resource, even though the pool itself appears finite to the Ordering Activity that procures access to the pool as a source of dynamic service allocation.

b. NIST Service Model

The Contractor may optionally document the service model of cloud computing (e.g. IaaS, PaaS, SaaS, or a combination thereof, that most closely describes their offering, using the definitions in The NIST Definition of Cloud Computing SP 800-145. The following guidance is offered for the proper selection of service models.

NIST's service models provide this SIN with a set of consistent sub-categories to assist ordering activities in locating and comparing Cloud services (i.e. IaaS, etc.) of interest. Service model is primarily concerned with the nature of the service offered and the staff and activities most likely to interact with the service. Contractors should select a single service model most closely corresponding to their proposed service based on the guidance below. It is understood that cloud services can technically incorporate multiple service models and the intent is to provide the single best categorization of the service.

Contractors should take care to select the NIST service model most closely corresponding to each service offered. Contractors should not invent, proliferate or select multiple cloud service model sub-categories to distinguish their offerings, because ad-hoc categorization prevents consumers from comparing similar offerings. Instead vendors should make full use of the existing NIST categories to the fullest extent possible.

For example, in this SIN an offering commercially marketed by a Contractor as "Storage as a Service"

would be properly characterized as Infrastructure as a Service (IaaS), storage being a subset of infrastructure. Services commercially marketed as "LAMP as a Service" or "Database as a Service" would be properly characterized under this SIN as Platform as a Service (PaaS), as they deliver two kinds of platform services. Services commercially marketed as "Travel Facilitation as a Service" or "Email as a Service" would be properly characterized as species of Software as a Service (SaaS) for this SIN.

However, Contractors can and should include appropriate descriptions (include commercial marketing terms) of the service in the full descriptions of the service's capabilities.

When choosing between equally plausible service model sub-categories, Contractors should consider several factors:

(1) Visibility to the Ordering Activity. Service model sub-categories in this SIN exist to help Ordering Activities match their requirements with service characteristics. Contractors should select the most intuitive and appropriate service model from the point of view of an Ordering Activity.

(2) Primary Focus of the Cloud Service (i.e. IaaS, etc.). Services may offer a mix of capabilities that span service models in the strict technical sense. For example, a service may offer both IaaS capabilities for processing and storage, along with some PaaS capabilities for application deployment, or SaaS capabilities for specific applications. In a service mix situation the Contractor should select the service model that is their primary focus. Alternatively contractors may choose to submit multiple service offerings for the SIN, each optionally and separately subcategorized.

(3) Ordering Activity Role. Contractors should consider the operational role of the Ordering Activity's primary actual consumer or operator of the service. For example services most often consumed by system managers are likely to fit best as IaaS; services most often consumed by application deployers or developers as PaaS, and services most often consumed by business users as SaaS.

(4) Lowest Level of Configurability. Contractors can consider IaaS, PaaS and SaaS as an ascending hierarchy of complexity, and select the model with the lowest level of available Ordering Activity interaction. As an example, virtual machines are an IaaS service often bundled with a range of operating systems, which are PaaS services. The Ordering Activity usually has access to configure the lower level IaaS service, and the overall service should be considered IaaS. In cases where the Ordering Activity cannot configure the speed, memory, network configuration, or any other aspect of the IaaS component, consider categorizing as a PaaS service.

Cloud management and cloud broker services should be categorized based on their own

characteristics and not those of the other cloud services that are their targets. Management and broker services typically fit the SaaS service model, regardless of whether the services they manage are SaaS, PaaS or IaaS. Use Table 3 to determine which service model is appropriate for the cloud management or cloud broker services, or, alternately choose not to select a service model for the service.

The guidance in Table 4 offers examples of how services might be properly mapped to NIST service models and how a Contractor should interpret the service model sub-categories.

Table 4: Guidance on Mapping to NIST Service Models

Service	Guidance
	Select an IaaS model for service based equivalents of hardware appliances such as virtual machines, storage devices, routers and other physical devices. • IaaS services are typically consumed by system or device managers who would configure physical hardware in a non-cloud setting

Service	Guidance
Infrastructure as a Service (IaaS)	• The principal customer interaction with an IaaS service is provisioning then configuration, equivalent to procuring and then configuring a physical device. Examples of IaaS services include virtual machines, object storage, disk block storage, network routers and firewalls, software defined networks. Gray areas include services that emulate or act as dedicated appliances and are directly used by applications, such as search appliances, security appliances, etc. To the extent that these services or their emulated devices provide direct capability to an application they might be better classified as Platform services (PaaS). To the extent that they resemble raw hardware and are consumed by other platform services they are better classified as IaaS.
Platform as a Service (PaaS)	Select a PaaS model for service based equivalents of complete or partial software platforms. For the purposes of this classification, consider a platform as a set of software services capable of deploying all or part of an application. • A complete platform can deploy an entire application. Complete platforms can be proprietary or open source • Partial platforms can deploy a component of an application which combined with other components make up the entire deployment • PaaS services are typically consumed by application deployment staff whose responsibility is to take a completed agency application and cause it to run on the designated complete or partial platform service • The principal customer interaction with a PaaS service is deployment, equivalent to deploying an application or portion of an application on a software platform service. • A limited range of configuration options for the platform service may be available. Examples of complete PaaS services include: • A Linux/Apache/MySQL/PHP (LAMP) platform ready to deploy a customer PHP application, • a Windows .Net platform ready to deploy a .Net application,
	• A custom complete platform ready to develop and deploy an customer application in a proprietary language • A multiple capability platform ready to deploy an arbitrary customer application on a range of underlying software services. The essential characteristic of a complete PaaS is defined by the customer's ability to deploy a complete custom application directly on the platform. PaaS includes partial services as well as complete platform services. Illustrative examples of individual platform enablers or components include: • A database service ready to deploy a customer's tables, views and procedures, • A queuing service ready to deploy a customer's message definitions • A security service ready to deploy a customer's constraints and target applications for continuous monitoring The essential characteristic of an individual PaaS component is the customer's ability to deploy their unique structures and/or data onto the component for a partial platform function. Note that both the partial and complete PaaS examples all have two things in common: • They are software services, which offer significant core functionality

Service	Guidance
	out of the box • They must be configured with customer data and structures to deliver results As noted in IaaS, operating systems represent a gray area in that OS is definitely a platform service, but is typically bundled with IaaS infrastructure. If your service provides an OS but allows for interaction with infrastructure, please sub-categorize it as IaaS. If your service "hides" underlying infrastructure, consider it as PaaS. Select a SaaS model for service based equivalents of software applications. • SaaS services are typically consumed by business or subject-matter staff who would interact directly with the application in a non-cloud setting • The principal customer interaction with a SaaS service is actual operation and consumption of the application services the SaaS service provides. Some minor configuration may be available, but the scope of the configuration is limited to the scope and then the permissions of the configuring user. For example an agency manager might be able to configure some aspects of the application for their agency but not all agencies. An agency user might be able to configure some aspects for themselves but not everyone in their agency. Typically only the Contractor would be permitted to configure aspects of the software for all users. Examples of SaaS services include email systems, business systems of all sorts such as travel systems, inventory systems, etc., wiki's, websites or content management systems, management applications that allow a customer to manage other cloud or non-cloud services, and in general any system where customers interact directly for a business purpose. Gray areas include services that customers use to configure other cloud services, such as cloud management software, cloud brokers, etc. In general these sorts of systems should be considered SaaS, per guidance in this document.

a. Deployment Model

Deployment models (e.g. private, public, community, or hybrid) are not restricted at the SIN level and any specifications for a deployment model are the responsibility of the Ordering Activity.

Multiple deployment model selection is permitted, but at least one model must be selected. The guidance in Table 4 offers examples of how services might be properly mapped to NIST deployment models and how the Contractor should interpret the deployment model characteristics. Contractors should take care to select the range of NIST deployment models most closely corresponding to each service offered.

Note that the scope of this SIN does not include hardware or software components used to construct a cloud, only cloud capabilities delivered as a service, as noted in the Scope section.

Table 5: Guidance for Selecting a Deployment Model

Deployment Model	Guidance
Private Cloud	The service is provided exclusively for the benefit of a definable organization and its components; access from outside the organization is prohibited. The actual services may be provided by third parties, and may be physically located as required, but access is strictly defined by membership in the owning organization.
Public Cloud	The service is provided for general public use and can be accessed by any entity or organization willing to contract for it.
Community Cloud	The service is provided for the exclusive use of a community with a definable shared boundary such as a mission or interest. As with private cloud, the service may be in any suitable location and administered by a community member or a third party.
Hybrid Cloud	The service is composed of one or more of the other models. Typically hybrid models include some aspect of transition between the models that make them up, for example a private and public cloud might be designed as a hybrid cloud where events like increased load permit certain specified services in the private cloud to run in a public cloud for extra capacity, e.g. bursting.

5. INFORMATION PERTAINING TO CLOUD RELATED IT PROFESSIONAL SERVICES

NOTE: Offerors may offer Cloud Services (i.e. IaaS, etc.) exclusively; it is not a requirement to also offer Cloud Related IT Professional Services. Similarly, offerors of Cloud Related IT Professional Services are not required to also offer Cloud Services (i.e. IaaS, etc.). Offerors who have capabilities in both Cloud Services (i.e. IaaS, etc.) and Cloud Related IT Professional Services may offer both, under this SIN.

NOTE: ****Labor categories under Special Item Number 132-51 "Information Technology Professional Services may remain under SIN 132-51, unless they are specific to the Cloud Computing Products and IT Professional Services 518210C. Labor specific to Cloud Computing should be positioned by Contractors under SIN 518210C in order for Contractors to have the opportunity to bid on requests for quotes that are generated exclusively under the Cloud SIN. Offerors may offer Cloud IT Professional Services exclusively; it is not a requirement to also offer Cloud Services (i.e Iaas).

c. SCOPE OF 518210C Cloud Related IT Professional Services

(1) The labor categories, prices, terms and conditions stated under Special Item Numbers 518210C Cloud Services and Related IT Professional Services apply exclusively to this SIN within the scope of this Information Technology Schedule. It is anticipated that the relevant IT Professional Services for this SIN (518210C) are related to the following: assessing cloud solutions, preparing for cloud solutions, refactoring legacy solutions for cloud migration, migrating legacy or other systems to cloud solutions, DevOps, developing new cloud based applications and providing management/governance for cloud solutions. Contractors may propose other types of relevant professional services as long as they are specifically

designed to work within and/or support the types of cloud product services described in SIN 518210C.

(2) Cloud Related IT Professional Services provided under this SIN shall comply with all certifications and industry standards as applicable pertaining to the type of services as specified by ordering agency.

(3) The Contractor shall provide Cloud Related IT Professional Services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

d. ORDER

(1) Agencies may use written orders, Electronic Data Interchange (EDI) orders, Blanket Purchase Agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The order shall specify the availability of funds and the period for which funds are available.

(2) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

e. PERFORMANCE OF SERVICES

(1) The Contractor shall commence performance of Cloud Related IT Professional Services on the date agreed to by the Contractor and the ordering activity.

(2) The Contractor agrees to render Cloud Related IT Professional Services during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

(3) The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Cloud Related IT Professional Services shall be completed in a good and workmanlike manner.

(4) Any Contractor travel required in the performance of Cloud Related IT Professional Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

f. INSPECTION OF SERVICES

Inspection of services is in accordance with 552.212-4 CONTRACT TERMS AND CONDITIONS–COMMERCIAL ITEMS (JAN 2017) (DEVIATION – FEB 2007) (DEVIATION - FEB 2018) for Firm-Fixed Price orders; or GSAR 552.212-4 CONTRACT TERMS AND CONDITIONS-COMMERCIAL ITEMS (JAN 2017) (DEVIATION - FEB 2018) (ALTERNATE I - JAN 2017) (DEVIATION - FEB 2007) for Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

g. RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (MAY 2014) Rights in Data – General, may apply.

The Contractor shall comply with contract clause (52.204-21) to the Federal Acquisition Regulation (FAR) for the basic safeguarding of contractor information systems that process, store, or transmit Federal data received by the contract in performance of the contract. This includes contract documents and all information generated in the performance of the contract.

h. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to the ordering activity's security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite Cloud Computing IT Professional Services.

i. INDEPENDENT CONTRACTOR

All Cloud Computing IT Professional Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

j. ORGANIZATIONAL CONFLICTS OF INTEREST

(1) Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

k. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for Cloud Computing IT Professional Services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted

monthly for recurring IT professional services performed during the preceding month.

l. PAYMENTS

The ordering activity shall pay the Contractor upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. Payments shall be made in accordance with:

For orders that are NOT time-and-materials/labor hours (fixed price applicable).

- GSAR 552.212-4 CONTRACT TERMS AND CONDITIONS–COMMERCIAL ITEMS (JAN 2017) (DEVIATION – FEB 2007) (DEVIATION - FEB 2018)

For orders that are time-and-materials/labor hours.

- GSAR 552.212-4 CONTRACT TERMS AND CONDITIONS-COMMERCIAL ITEMS (JAN 2017) (DEVIATION - FEB 2018) (ALTERNATE I - JAN 2017) (DEVIATION - FEB 2007)

- FAR 52.216-31 (Feb 2007) Time-and Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition. As prescribed in 16.601(f)(3), insert the following provision:
  - (1) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
  - (2) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by-
    - i The offeror;
    - ii Subcontractors; and/or
    - iii Divisions, subsidiaries, or affiliates of the offeror under a common control.]

m. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

n. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

o. DESCRIPTION OF CLOUD COMPUTING LABOR HOURS AND PRICING

(1) The Contractor shall provide a description of each type of Cloud Computing Professional Service offered under Special Item Numbers 518210C and it should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.

(2) Pricing for all Cloud Computing IT Professional Services shall be in

accordance with the Contractor's customary commercial practices; e.g., hourly rates,, minimum general experience and minimum education.

The following is an example of the manner in which the description of a commercial job title should be presented (see SCP FSS 004).

EXAMPLE

Commercial Job Title: Senior Cloud Subject Matter Expert

Description: Provides highest-level cloud computing domain expertise to large scale and complex projects as a client resource. Leads teams and client interaction from workflow design to cloud solution deliverables.

Professionals involved in this specialty perform the following tasks:

- Provides in-depth knowledge and expertise from cloud computing and business domains
- Develops and improves technical and business requirements documentation and specifications
- Reviews client requirements during on-boarding and other project phases
- Presents alternatives to client based designs based on impact to cost, performance and outcomes
- Incorporates enterprise architecture designs from business unit services strategies
- Provides advisory services to the service provider, cross functional teams, and clients

Knowledge, Skills and Abilities: Documented track record of successful client engagements in large public sector enterprise environments. 10+ years experience with SOAP, JSON, J2EE, SML, REST, OAUth, SAML, and OpenID. 4+ years experience with AD, LDAP, ODBC, SSO, CAC/PIV, STS, SSL, IEP, 3DES, 2-Factor, and STIG. Proficient with SDLC, AWS, and Oracle. Ability to thrive in a dynamic public sector environment.

Minimum Experience: 10 Years

Minimum Education Requirements: an MS degree in computer science or equivalent.

Highly Desirable: Deep knowledge of Microsoft Azure and Amazon Web Services core service offerings

Customer Information

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

SIN **DESCRIPTION**

SIN 518210C - Cloud and Cloud-Related IT Professional Services

DSM has agreed to provide services under the Cooperative Purchase Agreement and the Disaster Recovery Program

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:
(Government net price based on a unit of one)

Part Number	Description	Price
DSM-78	S3 Object Storage	$0.03

1c. HOURLY RATES (Services only): N/A

2. MAXIMUM ORDER*: SIN 518210C $500,000

NOTE TO ORDERING ACTIVITIES: *If the best value selection places your order over the Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contactor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404.

3. MINIMUM ORDER: $100

4. GEOGRAPHIC COVERAGE: Domestic and International

5. POINT(S) OF PRODUCTION: Not Applicable, Services Only

6. DISCOUNT FROM LIST PRICES: GSA Net Prices are shown on the attached GSA Pricelist. Negotiated discount has been applied and the IFF has been added.

7. QUANTITY DISCOUNT(S): Additional 1% for $500,000 in sales

8. PROMPT PAYMENT TERMS: Net 30

9.a Government Purchase Cards are accepted at or below the micro-purchase threshold.

9.b Government Purchase Cards are or are not accepted above the micro-purchase threshold. Contact contractor for limit. Contact Contractor

10. FOREIGN ITEMS: None

11a. TIME OF DELIVERY: As negotiated with ordering agency.

11b. EXPEDITED DELIVERY: Items available for expedited delivery are noted in this price list or negotiated at the task order level.

11c. **OVERNIGHT AND 2-DAY DELIVERY:** Overnight and 2-day delivery are available. Contact the Contractor for rates.

11d. **URGENT REQUIRMENTS:** Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. **FOB POINT:** Destination

13a. **ORDERING ADDRESS:** [Same as contractor or insert address if different]

13b. **ORDERING PROCEDURES**: Ordering activities shall use the ordering procedures described in Federal Acquisition Regulation 8.405-3 when placing an order or establishing a BPA for supplies or services. The ordering procedures, information on Blanket Purchase Agreements (BPA's) and a sample BPA can be found at the GSA/FSS Schedule Homepage (fss.gsa.gov/schedules).

14. **PAYMENT ADDRESS**: Same as Contractor

15. **WARRANTY PROVISION:** N/A for services

16. **EXPORT PACKING CHARGES**: Not applicable

17. **TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE**: (any thresholds above the micro purchase level may be inserted by contractor)

18. **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):** N/A

19. **TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):** N/A

20. **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):** N/A

20a. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE)**: N/A

21. **LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):** N/A

22. **LIST OF PARTICIPATING DEALERS (IF APPLICABLE):** N/A

23. **PREVENTIVE MAINTENANCE (IF APPLICABLE)**: N/A

24a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** N/A

24b. **Section 508 Compliance for Electronic and Information Technology (EIT):** N/A

25. **DUNS NUMBER:** 179030309 **CAGE CODE:** 7Y1N0

26. **NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE:** Contractor has an Active Registration in the SAM database.

Pricing

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-1	MSP-Additional Server	Additional Server EssentialIT/CompleteIT	EC	$262.97
DSM-2	MSP-COLO-Physical Server	Managed IT Services Support per Colocated Physical	EC	$158.69
DSM-3	MSP-COLO -VM	Managed IT Services Support per Cloud Hosted VM	EC	$136.02
DSM-4	BW- 1Mbps-95th	Bandwidth per 1MB - 95th percentile billing	EC	$13.60
DSM-5	DR-BW	Reserved bandwidth per 1 MB	EC	$3.40
DSM-6	Net-NCC	Network Cross Connection	EC	$136.02
DSM-7	Cloud-Vhost-RAM	IaaS RAM per GB	EC	$11.43
DSM-8	Cloud-Vhost-CPU	IaaS per VCPU	EC	$13.60
DSM-9	Cloud-Virt-FW-STD	Virtual Firewal Standard	EC	$136.02
DSM-10	Cloud-Virt-FW-VPN	Virtual Fireall/VPN Solution up to 50 Users	EC	$267.51
DSM- 11	Cloud-VM	Base VM Charge	EC	$27.20
DSM- 12	SAN-Tier I Storage	SAN- Tier I Storage per GB - High IOPS	EC	$0.45
DSM- 13	SAN-Tier II Storage	SAN- Tier II Storage per GB - Standard IOPS	EC	$0.27
DSM- 14	SAN-Tier III Storage	SAN- Tier III Storage per GB - Low IOPS	EC	$0.18
DSM- 15	SAN-Tier IV Storage	SAN- Tier IV Storage per GB - Backup Replication Storage	EC	$0.09
DSM- 16	Cloud-Blade-384-2x16c	Dedicated Private Cloud 384GB Memory, 2 x16c 2.3 GHz	EC	$1,352.95
DSM- 17	Cloud-Blade-128GB-2x10c	Dedicated Private Cloud 128GB Memory, 2 x10c 2.34GHz	EC	$861.46
DSM- 18	Cloud-Blade-RAM-128GB	Additional Memory for Cloud Base 128GB	EC	$145.09
DSM-19	Cloud Setup/Configuration	Cloud Setup services	HR	$145.09
DSM- 20	Linux Small Instance	Linux OS - 1 vCPU, 4 vRAM, 40 GB Storage w/ Backup/Management	EC	$228.06
DSM- 21	Linux Medium Instance	Linux OS - 2 vCPU, 8 vRAM, 70 GB Storage w/ Backup/Management	EC	$291.19
DSM- 22	Linux Large Instance	Linux OS - 4 vCPU, 16 vRAM, 100 GB Storage w/ Backup/Management	EC	$407.88
DSM- 23	Linux X-Large Instance	Linux OS - 8 vCPU, 32 vRAM, 200 GB Storage w/ Backup/Management	EC	$653.87
DSM- 24	Windows Small Instance	Windows OS - 1 vCPU, 4 vRAM, 40 GB Storage w/ Backup/Management	EC	$238.35
DSM- 25	Windows Medium	Windows OS - 2 vCPU, 8 vRAM, 70 GB	EC	$311.76

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
	Instance	Storage w/ Backup/Management		
DSM- 26	Windows Large Instance	Windows OS - 4 vCPU, 16 vRAM, 100 GB Storage w/ Backup/Management	EC	$449.01
DSM- 27	Windows X-Large Instance	Windows OS - 8 vCPU, 32 vRAM, 200 GB Storage w/ Backup/Management	EC	$736.14
DSM- 28	Inzata Analytics Software 1-Yr Cloud Service	Software Use Subscription for 15 named users - 1 year	YR	$ 24,483.63
DSM- 29	Inzata Database Service	16 Enabled-CPU Database Software Service	YR	$6,166.25
DSM- 30	O365 - Mailbox Archive Per User	Office 365 - Mailbox Archive Per User and One Drive Backup Per User	EC	$2.27
DSM- 31	O365 - Application Recovery	Office 365 - Application Recovery - Sharepoint Online	EC	$ 49.87
DSM- 32	DSM-CLOUD-WH199-EdgeCompact	vCD NSX Edge Compact	EC	$ 22.66
DSM- 33	DSM-CLOUD-WH199-EdgeCompactHA	vCD NSX Edge Compact HA	EC	$ 45.33
DSM- 34	DSM-CLOUD-WH199-EdgeLarge	vCD NSX Edge Large	EC	$ 40.80
DSM- 35	DSM-CLOUD-WH199-EdgeLargeHA	vCD NSX Edge Large HA	EC	$ 81.60
DSM- 36	DSM-CLOUD-WH199-EdgeQuadLarge	vCD NSX Edge Quad Large	EC	$ 68.00
DSM- 37	DSM-CLOUD-WH199-EdgeQuadLargeHA	vCD NSX Edge Quad Large HA	EC	$136.01
DSM- 38	DSM-CLOUD-WH199-EdgeXLarge	vCD NSX Edge Extra Large	EC	$140.55
DSM- 39	DSM-CLOUD-WH199-EdgeXLargeHA	vCD NSX Edge Extra Large HA	EC	$281.10
DSM- 40	DSM-CLOUD-WH199-vCD-PUBLICIP	vCD Public IP Address per IP	EC	$ 5.44
DSM- 41	DSM-CLOUD-WH199-vCD-RAM-ALLOC	vCD Allocation Model - 1GB RAM	EC	$ 10.87
DSM- 42	DSM-CLOUD-WH199-vCD-CPU-ALLOC	vCD Allocation Model - 2Ghz CPU	EC	$ 8.15
DSM- 43	DIR-DSM-SAN-WH-Tier-I-Stor	vCD SAN-Tier I Storage per GB - High IOPS	EC	$ 0.17
DSM-44	DIR-DSM-SAN-WH-Tier-II-Stor	vCD SAN-Tier II Storage per GB - Standard IOPS	EC	$0.08
DSM- 45	DIR-DSM-SAN-WH-Tier-III-Stor	vCD SAN-Tier III Storage per GB - Low IOPS	EC	$0.06
DSM- 46	DIR-DSM-WH199-CBACKUP-STOR	Miruma Protect DP Storage	EC	$0.05
DSM- 47	DIR-DSM-SSP-C-APP-	Application Recovery	EC	$49.87

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
	Client			
DSM- 48	DIR-DSM-SSP-C-DPF-Client	Data Protection Foundation	EC	$45.34
DSM- 50	DIR-DSM-SSP-C-FAE-1T- A	File Archive Per TB	EC	$221.26
DSM- 51	DIR-DSM-SSP-cSIM-V-F-Client	VM Protection	EC	$16.32
DSM- 52	DIR-DSM-SSP-cSIM-V-M	VM Archive	EC	$5.44
DSM- 53	DIR-DSM-WH199-VBREP-VM	Miruma Protect Veeam VM Backup (m-Cloud) per VM	EC	$18.13
DSM- 54	DIR-DSM-WH199-VBREP-VMApp	Miruma Protect Veeam VM Backup (m-Cloud) per App must be paired with DIR-DSM-WH- 199-VBREP-VM	EC	$18.13
DSM- 55	DSM-WH-VCC-B-Stor	DSM Veeam Cloud Connect Backup Storage	EC	$0.05
DSM- 56	DSM-WH-ZDR-Stor	DSM DRaaS Storage	EC	$0.09
DSM- 57	DIR-DSM-SSP-VCC-B- SVR	DSM VCC - VM Backup Copy Replication per Server	EC	$12.69
DSM- 58	DIR-DSM-SSP-VCC-B- VM	DSM VCC - VM Backup Copy Replication per VM	EC	$9.06
DSM- 59	DIR-DSM-SSP-VCC-B- WKS	DSM VCC - VM Backup Copy Replication per Workstation	EC	$4.52
DSM- 60	DIR-DSM-SSP-VCC-R- VM	DSM VCC - VM Replication per VM	EC	$18.13
DSM- 61	DIR-DSM-DR-REP-VM	Virtual Machine Replication Per VM	EC	$81.61
DSM-62	DIR-MSP-CompleteIT-Base	CompleteIT Base	EC	$2,357.68
DSM- 63	DIR-MSP-CompleteIT-Seat	CompleteIT Per Seat	EC	$116.07
DSM- 64	DIR-MSP-Additional-Server	Additional Server EssentialIT/CompleteIT	EC	$226.70
DSM- 65	DIR-MSP-EssentialIT-Base	Essential IT Base	EC	$1,360.20
DSM- 66	DIR-MSP-EssentialIT-Seat	Essential IT Per Seat	EC	$68.01
DSM- 67	DIR-MSP-INFRA-AP	Access Point	EC	$45.34
DSM- 68	DIR-MSP-INFRA-CLIENT	Client	EC	$45.34
DSM- 69	DIR-MSP-INFRA-CORE- SW	Core Switch	EC	$226.70
DSM- 70	DIR-MSP-INFRA-FW	Firewall	EC	$136.02
DSM- 71	DIR-MSP-INFRA-RTR	Router	EC	$136.02
DSM- 72	DIR-MSP-INFRA-SRV-ADV	Server (Advanced)	EC	$226.70

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM- 73	DIR-MSP-INFRA-SRV-BASIC	Server (Basic)	EC	$181.36
DSM- 74	DIR-MSP-INFRA-SRV-MON	Server (Monitor Only)	EC	$45.34
DSM- 75	DIR-MSP-INFRA-SRV-VHOST	Virtual Host	EC	$113.35
DSM- 76	DIR-MSP-INFRA-STORAGE	Storage Array	EC	$272.04
DSM- 77	DIR-MSP-INFRA-SW	Switch	EC	$51.69
DSM- 78	DSM-Cloud-WH199-S3	S3 Object Storage	EC	$0.03
DSM- 79	DSM-Cloud-Credit	DSM Miruma Cloud Credit	EC	$0.91
DSM- 80	DSM-PW-WH200-470V- 50A-3P-CB	WH200: Power Feed 470V Three Phase 50A Base Power Actual Consumption measured monthly at $129.75 per Amp Variable Product Code: DSM-PW-WH200-470V-30A-3P-CV	EC	$2,941.66
DSM- 81	DSM-PW-WH200-470V- 50A-3P-CV	WH200: Power Feed-470V Three Phase 50A Base Power (Variable)	EC	$117.66
DSM- 82	DSM-PW-WH200-470V- 50A-3P-FP	WH200: Power Feed 470V Three Phase with 50A Base Power Included	EC	$4,235.67
DSM- 83	DSM-PW-WH200-208V- 30A-SP-CB	WH200: Power Feed 208V Single Phase 30A Base Power Actual Consumption measured monthly at $75.00 per Amp Variable Product Code: DSM-PW-WH200-208V-30A-SP-CV	EC	$1,020.15
DSM- 84	DSM-PW-WH200-208V- 30A-SP-CV	WH200: Power Feed-208V Single Phase 30A Base Power (Variable)	EC	$68.01
DSM- 85	DSM-PW-WH200-208V- 30A-SP-FP	WH200: Power Feed 120V Single Phase with 30A Base Power Included	EC	$1,469.02
DSM- 87	DIR-DSM-COLO-FULL	Rack - Full Colocation per month	EC	$521.41
DSM- 88	DIR-DSM-COLO-WH199- SUITE	WH199: Private Suite Space per Cabinet	EC	$680.10
DSM- 89	DIR-DSM-COLO-WH200- PER-U	WH200: Shared Colocation by the U	EC	$19.95
DSM- 92	DIR-DSM-COLO-WH199- FC	DIR-DSM-COLO-WH199-FC	EC	$163.22
DSM- 93	DIR-DSM-COLO-WH199- RI	DIR-DSM-COLO-WH199-RI	EC	$244.84
DSM-94	DIR-Labor-SrEng	DIR-Labor-SrEng	HR	$172.29
DSM- 96	DSM-CLOUD-WH199-EDGECOMP-LVL	Lvl - vCD NSX Edge Compact	EC	24.93
DSM- 97	DSM-CLOUD-WH199-	Lvl - vCD NSX Edge Compact HA	EC	49.86

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
	EDGECOMP-HA-LVL			
DSM- 98	DSM-CLOUD-WH199-EDGELG-LVL	Lvl - vCD NSX Edge Large	EC	44.88
DSM- 99	DSM-CLOUD-WH199-EDGELG-HA-LVL	Lvl - vCD NSX Edge Large HA	EC	89.76
DSM- 100	DSM-CLOUD-WH199-EDGEQDLG-LVL	Lvl - vCD NSX Edge Quad Large	EC	74.80
DSM- 101	DSM-CLOUD-WH199-EDGEQDLG-HA-LVL	Lvl - vCD NSX Edge Quad Large HA	EC	149.51
DSM- 102	DSM-CLOUD-WH199-EDGEXLG-LVL	Lvl - vCD NSX Edge Extra Large	EC	154.60
DSM- 103	DSM-CLOUD-WH199-EDGEXLG-HA-LVL	Lvl - vCD NSX Edge Extra Large HA	EC	309.21
DSM- 104	DSM-CLOUD-WH199-vCD-PUBIP-LVL	Lvl - vCD Public IP Address per IP	EC	5.98
DSM- 105	DSM-CLOUD-WH199-vCD-RAM-ALC-LVL	Lvl - vCD Allocation Model - 1GB RAM	EC	11.96
DSM- 106	DSM-CLOUD-WH199-vCD-CPU-ALC-LVL	Lvl - vCD Allocation Model - 2Ghz CPU	EC	8.15
DSM- 107	DSM-SAN-WH199-Tier-I-Stor-LVL	Lvl - SAN-Tier I Storage per GB - High IOPS	EC	.19
DSM- 108	DSM-SAN-WH199-Tier- II-Stor-LVL	Lvl - SAN-Tier II Storage per GB - Standard IOPS	EC	0.09
DSM- 109	DSM-SAN-WH199-Tier- III-Stor-LVL	Lvl - SAN-Tier III Storage per GB - Low IOPS	EC	0.07
DSM- 110	DSM-DP-WH199-CBACKUP-STOR-LVL	Lvl - Miruma Protect DP Storage	EC	0.05
DSM- 111	DSM-DP-SSP-C-APP-Client-LVL	Lvl - Application Recovery	EC	54.86
DSM- 112	DSM-DP-SSP-C-DPF-Client-LVL	Lvl - Data Protection Foundation	EC	$49.87
DSM- 114	DSM-DP-SSP-C-FAE-1T- A-LVL	Lvl - File Archive Per TB	EC	243.39
DSM- 115	DSM-DP-SSP-cSIM-V-F-Client-LVL	Lvl - VM Protection	EC	17.95
DSM-116	DSM-DP-SSP-cSIM-V-M-LVL	Lvl - VM Archive	EC	5.98
DSM- 117	DSM-DP-WH199-VBREP- VM-LVL	Lvl - Miruma Protect Veeam VM Backup (m- Cloud) per VM	EC	19.94
DSM- 118	DSM-DP-WH199-VBREP- VMApp-LVL	Lvl - Miruma Protect Veeam VM Backup (m- Cloud) per App must be paired with DIR-DSM- WH-199-VBREP-VM	EC	19.94
DSM- 119	DSM-DP-WH199-VCC-B-Stor-LVL	Lvl - DSM Veeam Cloud Connect Backup Storage	EC	0.05
DSM- 120	DSM-DR-WH199-ZDR-Stor-LVL	Lvl - DSM DRaaS Storage	EC	0.10
DSM- 121	DSM-DP-WH199-VCC-B- SVR-LVL	Lvl - DSM VCC - VM Backup Copy Replication per Server	EC	13.96
DSM- 122	DSM-DP-WH199-VCC-	Lvl - DSM VCC - VM Backup Copy	EC	9.97

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
	B- VM-LVL	Replication per VM		
DSM- 123	DSM-DP-WH199-VCC-B- WKS-LVL	Lvl - DSM VCC - VM Backup Copy Replication per Workstation	EC	4.98
DSM- 124	DSM-DR-WH199-VCC-R- VM-LVL	Lvl - DSM VCC - VM Replication per VM	EC	19.47
DSM- 125	DSM-DR-WH199-ZDR-EP-VM-LVL	Lvl - Virtual Machine Replication Per VM	EC	89.77
DSM- 126	DSM-SAN-WH199-S3-Stor-LVL	Lvl - S3 Compatable Object Storage	EC	0.03
DSM-127	DIR-DSM-DR-VHOST - CPU	WH199: vCPU standby for DR	EC	$3.40
DSM-128	DIR-DSM-DR-VHOST-RAM	WH199: RAM standby for DR	EC	$1.72
DSM-129	DSM-DR-WH199-ZDR-STOR	DSM Protect DR Storage	EC	$0.09
DSM-130	DSM-DR-STOR-WH199-VCC	WH199: DSM Protect VCC Storage per GB	EC	$0.05
DSM-131	DSM-DR-REP-AZ-VM	Virtual Machine Replication Per VM	EC	$74.00
DSM-132	DSM-DR-CC-NET-NCC	CC: DR P2P Network Cross Connection	EC	$136.02
DSM-133	DSM-DP-WH199-STOR-CMM	DSM Protect CV DP Storage	EC	$0.05
DSM-134	DSM-DP-STOR-WH199-VCC	DSM Protect VCC Storage per GB	EC	$0.05
DSM-135	DIR-DSM-SSP-VASE-VM	Veeam Availability Suite Enterprise per VM License	EC	$12.24
DSM-136	DSM-DP-WH200-BW	WH200: DR Bandwidth Per 1Mb	EC	$3.63
DSM-137	DSM-MSP-SPAM-DOM-AP	Managed SPAM Domain Mgmt	EC	$7.25
DSM-138	DIR-DSM-MSP-SPAM FILTER-APPRI	Managed SF-Appriver Per User	EC	$1.81

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-139	DSM-MSP-ESSENTIALS-ADDL-SERVER	EssentialIT Additional Server	EC	$262.97
DSM-140	DSM-MSP-COMPLETE-ADDL-SERVER	CompleteIT Additional Server	EC	$262.97
DSM-141	DSM-SPLA-WH199-9EM-00562	SPLA - Windows Server 2016 Standard 2 Core License	EC	$5.93
DSM-142	DSM-CLOUD-WH199-vCD-CPU-PAYG	vCD Pay-As-You-Go - 2Ghz CPU	EC	$9.97
DSM-143	DSM-CLOUD-WH199-vCD-RAM-PAYG	vCD Pay-As-You-Go - 1GB RAM	EC	$13.59
DSM-144	DSM-DR-CSP-AZURE	Azure Client Subscription & Base Infrastructure	EC	$1.01
DSM-146	DIR-DSM-BW-P2P	Bandwidth Point to Point Circuit	EC	$1.01
DSM-148	DSM-REP-WH200-MNGED-PERGB	WH: Replication to Winter Haven (GB)	EC	$0.18
DSM-149	DIR-DSM-DR-MF-SVCGUAR	DR Mainframe Services Guaranteed (Upg to 72TB Use)	EC	$6,136.02
DSM-150	DIR-BC-OFFICE-DED (Dedicated)	Business Continuity Dedicated Office Space	EC	$4,307.30
DSM-151	DSM-HWaaS_LTOTD	LTO Tape Drive	EC	$34.06
DSM-153	DIR-DSM-BC-SH	Business Continuity Shared	EC	$27.20
DSM-155	DIR-DSM-ACT-STaaS-Duval	Data Protection - On Premise DSM Protect Storage Appliance	EC	$2,015.11
DSM-156	DIR-DSM-CIS-FW-ENCRYPT	Monthly Firewall Encryption Solution	EC	$690.08

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-157	DSM-HWaaS-PE-R740XD	HWaaS: PowerEdge R740XD Server	EC	$464.28
DSM-158	DIR-DSM-AS400-DR	AS/400 Shared Disaster Recovery	EC	$2,191.44
DSM-159	DSM-COLO-WH199-RACK	WH199: Colocation Rack	EC	$725.44
DSM-160	DSM-COLO-WH200-RACK	WH200: Colocation Rack	EC	$725.44
DSM-161	DSM-COLO-WH200-RACK-H	WH200: Colocation 1/2 Rack	EC	$362.72
DSM-162	DSM-COLO-WH199-BW	WH199: Bandwidth Per 1Mb - 95th Percentile Billing	EC	$3.63
DSM-163	DSM-COLO-WH200-BW	WH200: Bandwidth Per 1Mb - 95th Percentile Billing	EC	$3.63
DSM-164	DSM-COLO-WH199-NET-NCC	WH199: Network Cross Connection	EC	$136.02
DSM-165	DSM-COLO-WH200-NET-NCC	WH200: Network Cross Connection	EC	$136.02
DSM-166	DIR-DSM-COLO-WH199-PER-U	WH199: Shared Colocation by the U	EC	$31.74
DSM-167	DSM-PW-WH199-120V-10A-SP-CB	WH199: Power Feed 120V with 10A SP Base Power Included	EC	$217.63
DSM-168	DSM-PW-WH200-120V-10A-SP-CB	WH200: Power Feed 120V with 10A SP Base Power Included	EC	$217.63
DSM-169	DSM-PW-WH199-120V-20A-SP-CB	WH199: Power Feed 120V with 20A SP Base Power Included	EC	$435.26
DSM-170	DSM-PW-WH200-120V-20A-SP-CB	WH200: Power Feed 120V with 20A SP Base Power Included	EC	$435.26

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-171	DSM-PW-WH199-120V-AMP-SP-CV	WH199: 120V SP Power Consumed beyond Included 10A or 20A Circuit	EC	$39.29
DSM-172	DSM-PW-WH200-120V-AMP-SP-CV	WH200: 120V SP Power Consumed beyond Included 10A or 20A Circuit	EC	$39.29
DSM-173	DSM-PW-WH199-208V-20A-SP-CB	WH199: Power Feed 208V with 20A SP Base Power Included	EC	$634.76
DSM-174	DSM-PW-WH199-208V-30A-SP-CB	WH199: Power Feed 208V with 30A SP Base Power Included	EC	$1,060.96
DSM-175	DSM-PW-WH199-208V-SP-15A-CB	WH200: 208V 15A Single Phase Base Power (Metered)	EC	$589.42
DSM-176	DSM-PW-WH200-208V-SP-15A-CB	WH199: 208V 15A Single Phase Base Power (Metered)	EC	$589.42
DSM-177	DSM-PW-WH199-208V-AMP-SP-CV	WH199: PW-208V SP Per Amp	EC	$66.50
DSM-178	DSM-PW-WH200-208V-AMP-SP-CV	WH200: PW-208V SP Per Amp	EC	$66.50
DSM-179	DSM-PW-WH199-208V-15A-TP-CB	WH199: PW Feed 208V 15A Three Phase Base Power (Metered)	EC	$2,115.87
DSM-180	DSM-PW-WH200-208V-15A-TP-CB	WH200: PW Feed 208V 15A Three Phase Base Power (Metered)	EC	$2,115.87
DSM-181	DSM-PW-WH199-208V-30A-3P-CB	WH200: Power Feed 208V with 30A TP Base Power Included	EC	$1,763.73
DSM-182	DSM-PW-WH199-208V-AMP-TP-CV	WH199: 208V Three Phase Power Circuit - Per Amp	EC	$85.64
DSM-183	DSM-PW-WH200-208V-AMP-TP-CV	WH200: 208V Three Phase Power Circuit - Per Amp	EC	$85.64
DSM-184	DIR-DSM-COLO-ORL-CAGE	ORL: Colocation Private Cage Space	EC	$6,619.65

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-185	DIR-DSM-COLO-ORL-BUNDLE	ORL: Colocation Private Cage Bundles	EC	$1.01
DSM-186	DIR-DSM-COLO-ORL-NET-NCC	ORL: Network Cross Connection	EC	$151.13
DSM-187	DSM-PW-ORL-208V-30A-SP-FP	ORL: Power Feed 208V with 30A SP Base Power Fixed	EC	$1,335.01
DSM-188	DIR-DSM-PW-DSO-120V-Per-Amp	ORL: PW-120V-Per-Amp (Amps)	EC	$168.97
DSM-189	DIR-DSM-PW-DSO-120-20A	ORL: Dual Power Feed 120V Base Power	EC	$614.31
DSM-190	DSM-PW-ORL-kW-HOUR	ORL: Per kW Hour Monthly Power Usage Billing	EC	$0.17
DSM-191	DIR-DSM-BW-WH	Bandwidth Per 1Mb	EC	$3.63
DSM-192	DSM-COLO-WH199-IN-FiC	FC switching uplink ports	EC	$163.22
DSM-193	DIR-DSM-DUO-MFA	2FA. Basic access control, advanced admin/provision mgmt	EC	$3.02
DSM-194	DIR-DSM-DUO-ACCESS	DUO-MFA plus advanced device management	EC	$6.05
DSM-195	DIR-DSM-DUO-BEYOND	DUO-ACCESS plus BYOD management and secure on-prem app acces	EC	$9.07
DSM-196	DSM-DR-WH199-CO-OR-VS	WH199: IaaS Virtual Server	EC	$403.02
DSM-197	DSM-DR-WH199-CO-OR-NR	WH199: IaaS Network 1GB Redundancy	EC	$221.66
DSM-198	DSM-DR-WH199-CO-OR-STOR-72TB	WH199: Iaas SAN Storage 72TB	EC	$2,170.77

ITEM #	MFR PART NO	ITEM DESCRIPTION	UOI	GSA Price
DSM-199	DIR-DSM-COLO-WH199-PVT-SUITE	WH199: Private Suite Space per Tile	EC	$6.05

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES

state purchasing

We serve those who serve Florida

ALTERNATE CONTRACT SOURCE
NO. 252-GSA

GSA SCHEDULE 70
INFORMATION TECHNOLOGY EQUIPMENT, SOFTWARE & SERVICES

WHEREAS, pursuant to section 287.042(16), Florida Statutes, the Division of State Purchasing, Department of Management Services (Department) has evaluated the Multiple Award Schedule program administered by the federal General Services Administration (GSA) and determined that the GSA Schedule 70 Cooperative Purchasing Program is cost-effective and in the best interest of the State; and

WHEREAS, the GSA Schedule 70 Cooperative Purchasing Program allows state, local and tribal governments (Buyer) to purchase information technology equipment, software and services pursuant to the terms and conditions of contracts established by GSA.

THEREFORE, the Department authorizes Buyers to purchase from GSA Schedule 70 as an Alternate Contract Source (ACS), in accordance with Federal Acquisition Regulation, Part 8.405, "Ordering, Procedures for Federal Supply Schedules."

Terms Expressly Incorporated into the ACS:

- Buyer may purchase information technology equipment, software and services using the GSA Schedule 70 Cooperative Purchasing Program.
- Buyer must follow the process outlined in the ACS Instruction Document.

DONE AND ENTERED, this 10th of January, 2017, in Tallahassee, Leon County, Florida.

By: Debra Forbess
Debra Forbess
Director of Finance and Administration

Eler, Austin

From: Drymon, Heather <Heather.Drymon@dms.fl.gov>
Sent: Monday, July 20, 2020 6:44 AM
To: Eler, Austin
Subject: RE: Information Technology Disaster Recovery Services

EXTERNAL EMAIL: This email originated from a non-Clerk email address. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good Morning,

The IT Disaster Recovery Services STC will expire on 8/8/2020 and will not be extended or re-solicited. State Purchasing encourages agencies to establish purchase orders prior to expiration, if they desire to continue services under the expiring STC. Purchase orders established prior to the expiration will survive the term of the contract for no more than 12 months. Additionally, State Purchasing has two alternate contract source agreements in place that offer cloud related disaster recovery services: NASPO Cloud Solutions and GSA Mass Schedule (formerly known as Schedule 70). The NASPO Cloud Solutions Agreement is approaching a three year renewal period in which the Division intends to exercises. If you have any additional questions, please feel to reach out to me.

All the best,

Heather Drymon, FCCM | Contract Manager
Division of State Purchasing
850-487-9847 (office)
Florida Department of Management Services
We Serve Those Who Serve Florida

How Are We Doing? Click Here to Take the DMS Customer Satisfaction Survey

Links of Interest:

FL DMS State Term Contracts and Agreements Website
FL DMS Contract Quarterly Sales Report Form
State Agency Purchasing Contacts
Vendor Registration and Vendor Lists
FL DMS State Term Contracts Service Update (RSS feed)
Vendor Job Aides
Helpful Links
MFMP Catalogs & eInvoicing
MyFloridaMarketPlace Vendor Page

From: Eler, Austin <Austin.Eler@DuvalClerk.com>
Sent: Wednesday, July 15, 2020 12:11 PM
To: Drymon, Heather <Heather.Drymon@dms.fl.gov>
Subject: Information Technology Disaster Recovery Services

Caution: This email originated from outside of the organization. Please ensure that you recognize the sender and know that the content is safe before clicking on any links or opening attachments.

Hello Heather,

I had called a couple weeks ago in regards to the status of the disaster recovery contract that ends on 8/8/2020. You had advised to reach back out to you mid-July for follow up. Please let me know whether this is going to be renewed or not. I appreciate your help in advance!

Thank you,

Austin Eler | Senior Specialist to the Clerk - Purchasing
Duval County Clerk of the Circuit and County Courts
501 W Adams St., Suite 2338 | Jacksonville | FL 32202
Telephone: 904-255-2086 | Fax: 904-255-2160
www.duvalclerk.com

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