



# SOLUTION PROPOSAL

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Prepared for:  
TEXAS A & M UNIVERSITY  
3142 TAMU  
COLLEGE STATION, TX 77843

Prepared By:  
Sue Corrington  
Client Executive  
Phone: (979) 690-6300  
Email: [sue.corrington@siriuscom.com](mailto:sue.corrington@siriuscom.com)

Quote Date: 04/05/19  
Expires: 05/05/2019  
NetApp FAS8200 Partner Choice - Production and DR - 5 Year Support  
Proposal #: PR344603.3

Sirius Computer Solutions, Inc.  
10100 Reunion Place, Suite 500  
San Antonio, TX 78216



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3142 TAMU  
COLLEGE STATION, TX 77843

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10100 Reunion Place, Suite 500  
San Antonio, TX 78216  
www.siriuscom.com

Quote Date: 04/05/19  
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Phone: (979) 690-6300  
Email:  
sue.corrington@siriuscom.com

Part #	Description	Qty	Ext. Sale Price
<b>Production</b>			
SW-2-CL-BASE	SW-2,Base,CL,Node	1	\$0.00
FAS8200	FAS8200 - HEADER	1	\$0.00
FAS8200A-002	FAS8200 HA System,Premium Bundle	2	\$22,525.14
SW-2-8200A-NVE-C	SW,Data at Rest Encryption Enabled,8200A,-C	2	\$0.00
SW-2-8200A-TPM-C	SW,Trusted Platform Module Enabled,8200A,-C	2	\$0.00
X66250-15-C	Cable,LC-LC,OM4,15m,-C	8	\$936.08
X6566B-05-R6-C	Cable,Direct Attach CU SFP+ 10G,0.5M,-C	2	\$96.94
X66032A-C	Cable,12Gb,Mini SAS HD,2m,-C	8	\$1,026.08
X66030A-C	Cable,12Gb,Mini SAS HD,0.5m,-C	2	\$166.52
X6235-C	Chassis,FAS8200,AFF-A300,AC PS,-C	1	\$0.00
DS212C-07-10-12B-2P-C	Disk Shelf,12G,12x10TB,7.2K,2P,-C	2	\$15,407.18
DOC-8200-C	Documents,8200,-C	1	\$0.00
X3313A-C	FlashCache Upgrade,2TB,-C	2	\$8,429.40
DATA-AT-REST-ENCRYPTION	Data at Rest Encryption Capable Operating Sys	2	\$0.00
X800-42U-R6-C	Power Cable,In-Cabinet,C13-C14,-C	8	\$0.00
X-02659-00-C	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32,-C	2	\$115.14
X-02657-00-C	Rail Kit,Thin,Rnd/Sq-Hole,4-Post,Adj,24-32,-C	2	\$135.16
OS-ONTAP1-CAP1-PREM-2P-C	ONTAP,Per-0.1TB,PREMBNDL,Capacity,2P,-C	2400	\$49,968.00
OS-ONTAP1-CAP2-PREM-2P-C	ONTAP,Per-0.1TB,PREMBNDL,Perf,2P,-C	288	\$14,477.76
X6599A-R6-C	SFP+ Optical 10Gb Shortwave,-C	8	\$2,862.24
CS-WARRANTY-EXTENSION	Warranty Extension Point-of-Sale	1	\$0.00
FAS8200-EXP	FAS8200-EXP - HEADER	1	\$0.00
DS224C-10-1.2-24S-2P-CQ	Disk Shelf,12G,24x1.2TB,10K,2P,CQ	1	\$7,643.52
CS-WARRANTY-EXTENSION	Warranty Extension Point-of-Sale	1	\$0.00
DS224C	DS224C HEADER LINE	1	\$0.00
X-02659-00	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32	1	\$102.61
DS224C-S-.96-12S-QS	SSD Shelf,12G,12x960GB,-QS	1	\$16,606.02
OS-ONTAP-CAP3-PREM-AD2P-QS	ONTAP,Per-0.1TB,PREMBNDL,AddOn,U-Perf,2P,QS	115	\$32,873.90
X800-42U-R6	Power Cable,In-Cabinet,C13-C14	2	\$0.00
<b>Subtotal</b>			<b>\$173,371.69</b>
<b>DR</b>			
SW-2-CL-BASE	SW-2,Base,CL,Node	1	\$0.00
FAS8200	FAS8200 - HEADER	1	\$0.00
FAS8200A-002	FAS8200 HA System,Premium Bundle	2	\$22,525.14
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X66030A-C	Cable,12Gb,Mini SAS HD,0.5m,-C	2	\$166.52
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OS-ONTAP1-CAP2-PREM-2P-C	ONTAP,Per-0.1TB,PREMBNDL,Perf,2P,-C	288	\$14,477.76
X6599A-R6-C	SFP+ Optical 10Gb Shortwave,-C	8	\$2,862.24
CS-WARRANTY-EXTENSION	Warranty Extension Point-of-Sale	1	\$0.00
FAS8200-EXP	FAS8200-EXP - HEADER	1	\$0.00
DS224C-10-1.2-24S-2P-CQ	Disk Shelf,12G,24x1.2TB,10K,2P,CQ	1	\$7,643.52
CS-WARRANTY-EXTENSION	Warranty Extension Point-of-Sale	1	\$0.00
DS224C	DS224C HEADER LINE	1	\$0.00
X-02659-00	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32	1	\$102.61
DS224C-S-.96-12S-QS	SSD Shelf,12G,12x960GB,-QS	1	\$16,606.02
OS-ONTAP-CAP3-PREM-AD2P-QS	ONTAP,Per-0.1TB,PREMBNDL,AddOn,U-Perf,2P,QS	115	\$32,873.90
X800-42U-R6	Power Cable,In-Cabinet,C13-C14	2	\$0.00



Part #	Description	Qty	Ext. Sale Price
	<b>Subtotal</b>		<b>\$173,371.69</b>
ONE-TIME DISCOUNT	One Time Discount	1	\$-10,000.00
			<b>Subtotal: \$336,743.38</b>
			<b>Shipping and Handling: \$0.00</b>
			<b>Total: \$336,743.38</b>

AS AN AGENCY OF THE STATE OF TEXAS, TAMU IS TAX EXEMPT.

Unless otherwise noted, the price stated herein does not include applicable taxes, which may be added at the time of invoice. The price stated above for shipping and handling is subject to change in the event Customer requests expedited shipping, whether such request is made before or after acceptance of this Purchase Authorization by Customer.

This proposal is valid if ordered on or before 05/05/2019.

Until Sirius receives and accepts a Purchase Order or this Purchase Authorization for the solution proposed, pricing provided in this Proposal is subject to change based on manufacturer's pricing schedule. The Products contained on this Order may be delivered to the Customer through multiple shipments based upon supplier availability, and Customer agrees to pay a partial payment of the total purchase price stated above for any such partial shipment of Products.

Your contract number(s), currently on file, is as follows:

Agreement Type: Customer Agreement  
 Agreement Number: DIR-TSO-4286

The provision of the maintenance services contained on this proposal will be controlled by the terms and conditions of the applicable manufacturer and/or maintenance provider (hereinafter the "Provider"), and may be subject to auto-renewal if so provided in the applicable terms and conditions. Sirius does not guarantee any rights of termination during the term of the maintenance services contained on this proposal or any renewal term, and all refund calculations are determined solely by the applicable Provider. In the event any or all of these maintenance services are terminated in accordance with the terms and conditions of the applicable Provider, Sirius will, at Customer's option, (1) pass through to Customer all applicable credits paid to Sirius by the applicable Provider, net any related costs, or (2) hold such applicable credits on account for future purchases by Customer. If the maintenance services contained on this proposal cover multiple hardware or software components, any discounts provided in this proposal may vary between such components, and all pricing information is confidential and proprietary information of the applicable Provider.

This Proposal is subject to the terms and conditions of the above referenced Agreement(s). Acceptance of this Proposal by an authorized representative of TEXAS A & M UNIVERSITY will be deemed the equivalent of a Client Purchase Order, which will authorize Sirius to order the Products and Services listed in this Proposal.



Accepted by:  
TEXAS A & M UNIVERSITY

Approved by:  
Sirius Computer Solutions, Inc.  
DocuSigned by:

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Signature of Authorized Representative

Luke Niemiro

**ROBERT C. BOUNDS**  
\_\_\_\_\_  
Printed Name  
**DIRECTOR, PROCUREMENT SERVICES**

Bonnie M. Cerrito  
\_\_\_\_\_  
Printed Name  
Managing Contracts Attorney

Sr. Vice President - Contracts & Financial Services

\_\_\_\_\_  
Title of Authorized Representative

\_\_\_\_\_  
Title of Authorized Representative

24 APR 2019  
\_\_\_\_\_  
Date Signed

4/25/2019 | 08:56 CDT  
\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Ship to Address:

\_\_\_\_\_  
Bill to Address:

\_\_\_\_\_  
Ship to contact(Name,Phone and Email) :

\_\_\_\_\_  
Bill to contact(Name,Phone and Email) :



# SOLUTION PROPOSAL

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TEXAS A & M UNIVERSITY  
3142 TAMU  
COLLEGE STATION, TX 77843

Prepared By:  
Sue Corrington  
Client Executive  
Phone: (979) 690-6300  
Email: sue.corryngton@siriuscom.com

Quote Date: 04/05/19  
Expires: 05/05/2019  
NetApp FAS8200 Partner Choice - Production and DR - 5 Year Support  
Proposal #: PR344603.4

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10100 Reunion Place, Suite 500  
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Client Executive:  
 Sue Corrington  
 Phone: (979) 690-6300  
 Email:  
 sue.corrington@siriuscom.com

Part #	Description	Qty	Ext. Sale Price
<b>Production</b>			
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$12,839.30
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$1,855.91
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$8,295.46
	<b>Subtotal</b>		<b>\$22,990.67</b>
<b>DR</b>			
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$12,838.61
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$1,853.10
CS-S-SSP-4R	PartnerChoice 4hr Parts Repl and SSP	1	\$8,297.48
	<b>Subtotal</b>		<b>\$22,989.19</b>

**Subtotal: \$45,979.86**

**Shipping and Handling: \$0.00**

**Total: \$45,979.86**

Unless otherwise noted, the price stated herein does not include applicable taxes, which may be added at the time of invoice. The price stated above for shipping and handling is subject to change in the event Customer requests expedited shipping, whether such request is made before or after acceptance of this Purchase Authorization by Customer.

This proposal is valid if ordered on or before 05/05/2019.

Until Sirius receives and accepts a Purchase Order or this Purchase Authorization for the solution proposed, pricing provided in this Proposal is subject to change based on manufacturer's pricing schedule. The Products contained on this Order may be delivered to the Customer through multiple shipments based upon supplier availability, and Customer agrees to pay a partial payment of the total purchase price stated above for any such partial shipment of Products.

Your contract number(s), currently on file, is as follows:

Agreement Type: Customer Agreement  
 Agreement Number: 1-GS2481CA

**OneTouch Performance Standards**

The following performance standards apply to the Sirius OneTouch services and defines the penalties that will be assessed in the event of a performance standards violation. The maximum penalty for a given month is five (5) percent of one (1) months' fee and violations for different performance standards are cumulatively penalized. These performance standards will not be interpreted to provide any credits to Customer due to Cisco's failure to perform any maintenance services in accordance with Cisco's maintenance terms and conditions.

**Incident/Problem Management - Priority/Severity Level-1**

- Service Level Description: Ensure Priority/ Severity Level-1 Incidents/Problems impacting Customer are managed and resolved in the timeframe defined within this SLA.
- Time to Respond SLA: Within 60 minutes of Customer requesting Sirius support, Sirius will have a resource assigned to work the problem and Customer will receive notification via email that a problem has been opened. Resolution time expectations associated with the incident/problem resolution that requires non-Sirius resources to resolve the incident/problem will not be considered part of this measurement.
- Calculation:  $(\#Priority/Severity-1\ Problems\ Logged) \text{ minus } (-) (\#Priority/Severity-1\ Problems\ Exceeded) \text{ divided by } (+) (\#Priority/Severity-1\ Problems\ Logged)$
- Measurement Interval: Monthly
- Service Level Weight: 3% of one month's fees

**Change Management**

- Service Level Description: Track successful completion of mutually agreed upon changes requested by Customer. Customer will request changes from Sirius thru the web portal provided by Sirius. Customer may request maintenance services from Sirius in the form of email or phone call with confirmation from Sirius to follow thereafter.
- Time to Respond SLA: Sirius will monitor each completed change for success or failure. Sirius will report on all changes monthly to the customer, but the SLA penalties are based upon a minimum of 10 changes per month. 90% of all Changes will be successful and completed on the mutually agreed upon date. Only changes classified



# PURCHASE AUTHORIZATION

as Normal (not Expedite or Emergency) shall be used to calculate monthly performance against this measurement. Change resolution time that requires non-Sirius personnel to complete the change is not considered part of this measurement.

- Calculation: (#Changes Successful and on Time) divided by (+) (#Changes Logged)
- Measurement Interval: Monthly
- Service Level Weight: 2% of one month's fees

This Proposal is subject to the terms and conditions of the above referenced Agreement(s). Acceptance of this Proposal by an authorized representative of TEXAS A & M UNIVERSITY will be deemed the equivalent of a Client Purchase Order, which will authorize Sirius to order the Products and Services listed in this Proposal.

Accepted by:  
TEXAS A & M UNIVERSITY

\_\_\_\_\_  
Signature of Authorized Representative

**ROBERT C. BOUNDS**  
\_\_\_\_\_  
Printed Name **DIRECTOR, PROCUREMENT SERVICES**

\_\_\_\_\_  
Title of Authorized Representative

*24 APR 2019*  
\_\_\_\_\_  
Date Signed

Ship to Address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Ship to contact(Name,Phone and Email) :  
\_\_\_\_\_  
\_\_\_\_\_

Approved by:  
Sirius Computer Solutions, Inc.  
DocuSigned by:

\_\_\_\_\_  
Signature of Authorized Representative

Luke Niemiro

Bonnie M. Cerrito  
\_\_\_\_\_

Printed Name

Managing Contracts Attorney

Sr. Vice President - Contracts & Financial Services  
\_\_\_\_\_

\_\_\_\_\_  
Title of Authorized Representative

4/25/2019 | 08:56 CDT

\_\_\_\_\_  
Date Signed

Bill to Address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bill to contact(Name,Phone and Email) :  
\_\_\_\_\_  
\_\_\_\_\_

## Statement of Work



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# TEXAS A & M UNIVERSITY

## INSTALL 2 FAS8220 FOR PROD AND DR

This Statement of Work (SOW) is made by and between Sirius Computer Solutions, Inc., (Sirius) and TEXAS A & M UNIVERSITY (Customer) for the provision of certain professional services as more fully described herein, (Services). Customer and Sirius expressly acknowledge and agree that this SOW is incorporated by reference into, and made a part of, Sirius Customer Agreement DIR-TSO-4286 (the Agreement). In the event of conflict, the terms of the Agreement shall control unless otherwise expressly provided herein.

### SCOPE OF SERVICES

The scope of services for this project is attached hereto as Exhibit A.

### ACCEPTANCE CRITERIA

This SOW will be deemed complete when the Deliverables within Exhibit A have been completed and accepted by Customer.

### RESPONSIBILITIES

#### *Sirius Responsibilities*

1. Staff this effort with appropriately skilled individuals to perform the Services, including project coordination as applicable
2. Promptly notify Customer of any unsafe condition about which Sirius has knowledge.

#### *Customer Responsibilities*

1. Where appropriate, knowledgeable resources will be made available for functional questions and making business decisions. It is also expected that Customer staff will participate throughout the implementation.
2. Back-up all data, software, operating systems, software configurations and networking configurations in preparation for and during the performance of the Services. Sirius shall not be liable for any lost, damaged or corrupted data.
3. Have the appropriate software and hardware available at the beginning of the project and ensure that the necessary hardware environment (operating system, network, ports) is configured appropriately and is stable.
4. Customer will be responsible for data migration unless specified in the scope of services.
5. Prior to Sirius Consultant coming on-site for services, provide resource contact information; names, phone numbers, email addresses and location.
6. Provide Sirius with known scheduled outages, resource unavailability and project specific information for the development of a cohesive project schedule.
7. Provide Sirius with access to Customer's facilities and appropriate resources as reasonably necessary for Sirius to fulfill its obligations hereunder, including but not limited to: an adequate work area, network access (including Internet access), telephones, terminal, access to PC-based printer, remote access to systems (if applicable).
8. Promptly notify Sirius of any unsafe condition about which Customer has knowledge and to which Sirius resources could be exposed.
9. Promptly notify Sirius of any accidents or injuries involving Sirius employees or subcontractors assigned to Customer.
10. Promptly inspect and accept Services and/or Deliverables upon completion by Sirius.



## Statement of Work



### DELIVERABLES

This SOW will produce the Deliverables outlined in Exhibit A. All estimates and/or costs associated with this SOW are based solely upon the Deliverables outlined in Exhibit A. In the event any additional requirements are requested by Customer, the parties will mutually execute a change request to this SOW to address these additional requirements.

Tasks, deliverables and responsibilities not explicitly addressed within this SOW are beyond its scope and can only be provided pursuant to the change process described herein or pursuant to a separate SOW as mutually agreed to by both parties. Unless defined in Exhibit A, this SOW does not obligate Sirius to modify or remediate Deliverables or provide maintenance or support services for Deliverables in any manner following Customer's acceptance without an appropriate, corresponding SOW. If applicable, a separate maintenance or support services SOW may be established to provide maintenance or support services to Customer.

### ASSUMPTIONS

Sirius has created this SOW under the following assumptions. If one or more of these assumptions proves to be invalid, costs and other project factors may be impacted.

1. Unless otherwise agreed, Sirius reserves the right to subcontract any or all portions of the Services contemplated pre-approved by Customer.
2. Performance of the Services defined by this SOW are not subject to any provisions of the laws, acts, or regulations listed below and shall not require Sirius to create, receive, use, disclose, or in any way take control or possession of any information identified in such laws, acts or regulations:
  - a. Personal Information as defined by 201 Code of Massachusetts Regulation 17.00 (or any similarly defined information under an applicable state law);
  - b. Nonpublic Personal Information as defined by the Gramm-Leach-Bliley Act;
  - c. Personally Identifiable Information as defined by the Family Educational Rights and Privacy Act;
  - d. Cardholder Data as defined by Payment Card Industry (PCI) Data Security Standards; or
  - e. Protected Health Information, Electronic Protected Health Information, or Individually Identifiable Health Information as defined by the Health Insurance Portability and Accountability Act and the Health Information Technology for Economic and Clinical Health Act.
3. Sirius may deliver services at Customer location or a remote location.
4. If knowledge transfer is listed as a deliverable, it should be noted that such knowledge transfer is not a replacement for classroom training but is intended to help the Customer gain a working knowledge of implementation details specific to their environment. Customer should consider attending training provided by the manufacturer.

### SCHEDULE

Sirius and Customer will determine a schedule for work to be performed once execution of this SOW occurs. This schedule will include expected response times for both Sirius and the Customer to review and complete tasks. Sirius will use commercially reasonable efforts to timely complete the Services in accordance with the agreed upon schedule. Sirius will not be liable for any delays in performance related to Customer's failure to perform its obligations under this SOW or Customer's failure to make any facilities or equipment necessary for performance available to Sirius. In the event any delays in performance result in additional charges under this SOW, said charges will be agreed upon in a Change Request using the process detailed below.

## Statement of Work



### Service Cost

The Services will be provided for a fixed price of \$15,810.00. Upon completion of each milestone, Sirius will invoice pursuant to the payment schedule set forth below. SOW will expire one (1) year from signature date.

Task / Milestone Name	Invoice Amount
Project Completion	\$15,810.00
<b>Total</b>	<b>\$15,810.00</b>

### Travel Costs

Travel costs are included in the Services costs above provided two weeks' notice is given to Sirius.

### **SERVICES COORDINATION**

Customer designates the following authorized representative assigned to serve as the primary point of contact for communication, issue escalation, contract administration, project scope change administration, and acceptance of Deliverables and/or Services as set forth herein.

Customer's Authorized Representative	Email Address
Kevin Glueck	kglueck@viz.tamu.edu

### **SITE OF PERFORMANCE**

Performance of the Services may be at the following Customer location(s) or may be performed from a remote location on the system located at the address listed below:

Bill To:
TEXAS A & M UNIVERSITY 3137 TAMU LANGFORD RM A206 COLLEGE OF ARCHITECTURE COLLEGE STATION, TEXAS 77843

Service Locations:
TEXAS A & M UNIVERSITY TEXAS A & M COLLEGE OF ARCHITE LANGFORD BLDG RM 12 COLLEGE STATION, TEXAS 77843

## Statement of Work



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### ACCEPTANCE

Upon completion of the Services, Sirius will submit a Completion Document. Customer will return the Completion Document in accordance with its instructions within three (3) business days from the date of receipt thereof. If Customer reasonably believes that Sirius failed to substantially complete the Services in accordance with this SOW, Customer will notify Sirius in writing of its reasons for rejection of the Services or any portion thereof within three (3) business days from Customer's receipt of the Completion Document. If Sirius does not receive the signed Completion Document or written notification of the reasons for rejection within three (3) business days of Customer's receipt thereof, the absence of Customer's response will constitute Customer's acceptance of the Services and a waiver of any right of rejection.

### CHANGE REQUESTS

From time to time Customer may request, or Sirius may propose, that Sirius implement a change to the Services reflected in this SOW including, without limitation, (a) a change to the scope of Services, or (b) a change in the prioritization or manner in which Sirius is performing the Services (each, a "Change"). In the event of the occurrence of a mutually agreed Change, Sirius shall prepare and provide to Customer a proposed change order. Sirius shall include in the proposed change order the effect, if any, the Change will have on Sirius' schedule of delivery of the Services, and if there will be any effect on the estimated cost or other Customer payments. Sirius shall not be responsible or liable for any delays, costs or damages resulting from Customer's rejection of, or delay in approving, a proposed change order relating to a Change. In the event the authorized representative of Customer requests that Sirius perform work without a mutually agreed upon change order, Customer shall compensate Sirius for the additional fees and expenses incurred by Sirius related thereto. In the event the Customer desires to retain Sirius for additional services outside the scope of the Services to be provided hereunder, Customer and Sirius agrees to execute and deliver such additional statements of work to evidence the additional services to be provided by Sirius.

### NO SOLICITATION

Upon Customer's signature of this SOW and for a period of one year following completion, expiration or termination of this SOW, neither party will, directly or indirectly, solicit to employ or employ any of the current employees or independent contractors of the other party (or subcontractors or independent contractors) who are involved in the performance of Services under this SOW, without obtaining the prior written consent of such party. Notwithstanding the foregoing, solicitation of a party's current employees, subcontractors or independent contractors who are not involved in the performance of Services under this SOW by means of a general media solicitation or trade publication or advertisement shall not constitute a breach of this provision. This provision will survive the completion, expiration, or termination of this SOW and/or the Agreement.

### INTELLECTUAL PROPERTY

Upon full payment of all amounts due Sirius under this SOW and the Agreement, Customer shall own all rights, title, and interest in and to the Deliverables and all changes, modification or improvements related thereto, developed by Sirius under this SOW. Sirius hereby grants, sells, assigns, and conveys to Customer all rights of Sirius in and to the Deliverables and the tangible and intangible property rights relating to or arising out of the Deliverables, including, without limitation, patent, copyright, trade secret, trademark, and other proprietary rights. Deliverables shall not include, and the transfer of any rights hereunder shall not apply to, Background Technology (as hereinafter defined) or any software, materials or other technology which is owned or controlled by a third party ("Third Party Technology").

"Background Technology" means all processes, tools, works of authorship, programs, data, utilities or other intellectual property, in whatever form, that Sirius prepared or had prepared outside the scope of the Services provided hereunder and are included in, or necessary to, the Deliverable. Sirius Background Technology, working papers, scripts, proprietary methodology and confidential information belong exclusively to Sirius, including to the extent included in the Deliverable. Customer is granted a nonexclusive license to use Sirius Background Technology or Third Party Technology for the limited purpose of implementing the Deliverable for Customer's internal purposes.

## Statement of Work



**PROPRIETARY AND CONFIDENTIAL**

This SOW contains confidential and proprietary information of Sirius and its vendors. Information contained in this SOW may not be disclosed, disseminated, or otherwise revealed to any party outside of Customer or any party within Customer who is not privileged to receive such information without the express written permission of Sirius. There is no obligation to maintain the confidentiality of any information which was known to Customer prior to receipt of such information from Sirius, or becomes publicly known through no fault of Customer, or is received without obligation of confidentiality from a third party owing no obligation of confidentiality to Sirius.

Sirius acknowledges that Customer is obligated to strictly comply with the Public Information Act, Chapter 552, Texas Government Code, in responding to any request for public information pertaining to this SOW.

**ACCEPTANCE & AUTHORIZATION**

This SOW expires if not signed by Customer and returned to Sirius (as set forth below) within thirty (30) days of March 13, 2019. However, this SOW shall not be binding or effective until countersigned by Sirius. If performance of the Services does not commence within ninety (90) days of the date hereof, this SOW will automatically terminate in the absence of a written amendment rescheduling the Services. Please indicate your acceptance of this SOW by signing below and returning to:

Services Operations Team by email to [carla.harris@siriuscom.com](mailto:carla.harris@siriuscom.com). Please note, all pages of SOW are required

<b>BY: TEXAS A &amp; M UNIVERSITY</b>	<b>BY: SIRIUS COMPUTER SOLUTIONS, INC.</b>
Signature: _____	Signature: _____ <small>DocuSigned by:</small>
Name: <b>ROBERT C. BOUNDS</b>	Name: <b>Luke Niedt</b>
Title: <b>DIRECTOR, PROCUREMENT SERVICES</b>	Title: <b>Managing Contracts Attorney</b>
PO # (if applicable)	SOW Number: <b>SOW-006247 V2</b>
Date: <b>24 APR 2019</b>	Date: <b>4/25/2019 1:09:00 CDT</b>

## Statement of Work



## EXHIBIT A

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### SCOPE OF SERVICES

#### Project Tasks

1. Review
  - a. Document hosts systems that require attachment
2. Plan & Design
  - a. Conduct a project kick-off planning meeting
  - b. Clustered Data ONTAP overview
  - c. Physical layout and rack elevation
  - d. Configuration planning of Storage Layout, SVMs, Network, Snapmirror, and all purchased and required protocols
  - e. Advise customer of cabling requirements and verify proper installation
3. FAS2554 Replacement
  - a. Register all equipment with the vendor's support portal
  - b. Work with the customer to inventory the delivered equipment and verify all components and options were received
  - c. Install equipment in customer's equipment rack
  - d. Install temporary NetApp cluster switches
  - e. Upgrade Data ONTAP to the agreed upon target version
  - f. Join all nodes into the existing cluster
  - g. Install and verify purchased license keys
  - h. Configure all system base settings failover, autosupport, and remote management administration
  - i. Configure aggregates, volumes, SVMs, network, Snapmirror relationships, and spares as discussed during the planning and assurance meetings
  - j. Enable Snapmirror network throttling to limit bandwidth between datacenters
  - k. Configure all desired licensed protocols
  - l. Assist customer with movement of all data from existing nodes to new nodes
    - i. Confirm data connectivity
    - ii. Move volumes from existing nodes to new nodes
    - iii. Move network LIF's from existing nodes to new nodes
    - iv. Confirm volumes that are protected by snapmirror are still current on the new nodes
    - v. Using NetApp commands remove the old nodes from the cluster
    - vi. Convert new nodes in the cluster from switched to switchless
    - vii. Power down old nodes and remove the old nodes
  - m. Remove temporary NetApp cluster switches
4. FAS3170 Replacement
5. Physical Installation
  - a. Work with the customer to inventory the delivered equipment and verify all components and options were received
  - b. Register all equipment with the vendor's support portal
  - c. Complete following tasks at each location
  - d. Install equipment in customer's equipment rack
  - e. Cluster interconnects
  - f. Cluster pair and associated shelves
  - g. Install inter-rack cabling
  - h. Connect network cabling
6. Logical Configuration of NetApp Cluster
  - a. Create cluster on Node 1
  - b. Install and verify purchased license keys
  - c. Join Node 2 to newly created cluster
    - i. Configure all system base settings
    - ii. Time zone
    - iii. Failover

## Statement of Work



### EXHIBIT A

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- iv. Autosupport
  - v. NTP
  - vi. Remote management and administration
  - vii. Upgrade Data ONTAP to version specified in initial planning meeting
  - viii. Configure Aggregates, RAID groups, Volumes, and spares as discussed during the planning meeting
  - ix. Configure all licensed protocols
  - x. Configure network as discussed in the planning meeting
  - xi. IFGRPs
  - xii. LIFs
  - xiii. Failover groups
  - xiv. Subnets
  - xv. Broadcast domains
7. Storage Presented to Network
- a. Create SVMs as discussed in the planning meeting
  - b. Create Volumes as discussed in the planning meeting
  - c. Create CIFS Shares as discussed in the planning meeting
  - d. Configure and test CIFS security policies
  - e. Create NFS Exports as discussed in the planning meeting
  - f. Configure and test NFS security policies
8. SnapMirror Implementation
9. SnapMirror configuration
10. Establish Cluster and SVM peering relationships
11. Enable peer authentication
12. Create SnapMirror policies and schedules
13. SnapMirror initialization and baseline transfer of data on up to five (5) SVM relationships
14. Implement OnCommand Unified Manager on up to one (1) customer supplied server
15. Discover each NetApp cluster
16. Setup monitoring and alerting
17. Testing/Acceptance
18. Test cluster failover
19. HA pair failover
20. IFGRP failover
21. LIFs failover groups
22. Autosupport functionality
23. Perform verification testing of:
- a. Data replication on up to five (5) SnapMirror policies
  - b. Data access on SnapMirror destination system
  - c. Reversal of SnapMirror relationship
24. Verify that all required installation media/files and license keys are available
25. NetApp Migration Assistance
26. Conduct a planning session
27. Ensure functionality of all protocols in preparation for migration
28. Migrate virtual machines using Storage vMotion
29. Install 7 Mode Transition Tool (7MTT) on customer provided CIFS, NFS and LUN migration
30. Perform data migration cutover of agreed volumes and or LUN's on determined schedule
31. Work with customer to determine that data access is correct on all clients
32. Knowledge Transfer
- a. Four (4) hours informal training post install to review configuration discuss best practices and answer questions

#### Deliverables

- 1. Completion report
- 2. Insure all tasks in this statement of work are deemed complete