
Electric Reliability Council of Texas, Inc. (ERCOT)

Contract Administration and Procurement



Request for Quote

For

Third-Party Maintenance for SAN Storage and VTL

Date of Release: 11/06/2017

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1 GENERAL INFORMATION

1.1 RFQ Objective

The purpose of this Request for Quote (RFQ) is to invite suppliers to submit quotes for the procurement of third-party maintenance delivering quality break-fix support to Brocade SAN, Hitachi storage and FalconStor Virtual Tape Library (VTL) Storage Appliances.

1.2 ERCOT Background

1.2.1 Overview of the Electric Reliability Council of Texas, Inc.

The Electric Reliability Council of Texas (ERCOT) manages the flow of electric power to 24 million Texas customers, representing approximately 90 percent of the state's electric load. As the Independent System Operator for the region, ERCOT schedules power on an electric grid that connects more than 43,000 miles of transmission lines and 550 generation units. ERCOT also performs financial settlement for the competitive wholesale bulk-power market and administers retail switching for 7 million premises in competitive choice areas. ERCOT is a membership-based 501(c)(4) nonprofit corporation governed by a board of directors and subject to oversight by the Public Utility Commission of Texas and the Texas Legislature. Additional information about ERCOT can be found at <http://www.ercot.com/>.

1.3 Administrative information

1.3.1 How to Respond to This RFQ

Responses to this solicitation will be in the form of a quote according to the format described in this RFQ.

The title of this RFQ is: Third-Party Maintenance for SAN Storage and VTL. The Quote Deadline is: 11/20/2017.

1.3.2 Contact Personnel

The ERCOT Contact Person:

Diana Wang
Vendor Manager, Supply Chain Management
2705 West Lake Drive
Taylor, Texas 76574
diana.wang@ercot.com

1.3.3 How to Deliver the Quote

All quotes must be e-mailed to the ERCOT Contact Person at:
diana.wang@ercot.com

1.3.4 Key Activities and Dates

Key activities and tentative dates for this RFQ are presented below:

Procurement Schedule	
Activity	Dates
RFQ release	11/06/2017
Quote Deadline	11/20/2017

2 Information and Requirements

2.1 General Information

- 2.1.1** ERCOT reserves the right to amend this RFQ at any time prior to the specified due date for quotes (“Quote Deadline”).
- 2.1.2** At any time prior to the Quote Deadline, a respondent may withdraw its submitted quote by submitting an email with a signed request for withdrawal to the ERCOT RFQ Contact.
- 2.1.3** ERCOT reserves the right to reject any quote, to reject all quotes, to accept any portion of a quote, or accept all quotes if deemed in the best interest of ERCOT to do so. ERCOT also reserves the right to accept informalities and minor irregularities in quotes received.
- 2.1.4** ERCOT reserves the right to cancel this Request for Quote at any time, without penalty.
- 2.1.5** All respondents submitting quotes shall keep their quotes open for acceptance by ERCOT for a period of 120 days, unless otherwise noted.
- 2.1.6** All materials submitted regarding this RFQ become the property of ERCOT and will only be returned to the respondent at ERCOT’s option.
- 2.1.7** Any restrictions on the disclosure or use of data and materials contained within a quote must be clearly stated in the quote itself with the indication of enclosed proprietary information as stated in this paragraph. If proprietary information is submitted, it must be placed in a separate, sealed envelope with the following information clearly and conspicuously marked: “Proprietary Information Enclosed” RFQ Name, Quote Deadline.
- 2.1.8** No oral or written statements made by ERCOT personnel shall be considered addenda to this RFQ unless the statement is confirmed in writing and identified as a written addendum to this RFQ by the ERCOT Procurement RFQ Contact Person.
- 2.1.9** ERCOT reserves the right to seek quote clarification from any respondent to assist in making decisions.
- 2.1.10** All quotes submitted shall contain enough detail to allow for ERCOT evaluation. Vague or incomplete quotes may be rejected.
- 2.1.11** Respondents shall not contact any ERCOT agent, employee, officer, or director (except for the ERCOT RFQ Contact) regarding this RFQ or related services. Violators of this rule may be disqualified.
- 2.1.12** News releases pertaining to this procurement or any part of the subject shall not be made without prior written approval of an authorized ERCOT employee.

- 2.1.13** Respondents may not use the ERCOT name, logo or any other reference to ERCOT, outside of this quote, without prior written approval by an authorized ERCOT employee.
- 2.1.14** ERCOT shall not be liable for any cost incurred by respondents prior to completion of a fully-signed agreement or issuance of a purchase order. Any cost incurred by respondent in the preparation of the quote will be borne by the respondent.
- 2.1.15** ERCOT will evaluate quotes and consider cost, reliability, quality of service, and other factors. Contracts/Purchase Order(s) will be awarded to the respondent whose final quote will be the most advantageous to ERCOT. Due to the evaluation procedure for the Request for Quote, lowest dollar price MAY or MAY NOT indicate the successful awardee. Price constitutes only one of several evaluation criteria.
- 2.1.16** Complete payment by ERCOT will be made ONLY after specifications are met and services are accepted by ERCOT. Alternate payment quotes will be reviewed and evaluated by the ERCOT Procurement Department and Accounts Payable Department.
- 2.1.17** A respondent may submit any additional information or data not requested in this RFQ (which the respondent believes should be considered in the evaluation of a response) by including in its quote a separate section entitled “Additional RFQ Bid/Quote Information.”
- 2.1.18** Upon review and approval of the evaluation committee’s recommendation for award, the ERCOT Contact will issue a “Notice of Proposed Award” to a respondent. All other respondents may be notified that an award has been made, but ERCOT does not commit to giving specific feedback to individual respondents.

2.2 General Requirements

ERCOT is evaluating options for break/fix maintenance support covering the following Brocade SAN, Hitachi storage and FalconStor Virtual Tape Library (VTL) Storage Appliances:

- Brocade DCX
- Brocade DCX 8510
- Brocade 7800
- Brocade 5340
- Brocade 5140
- Brocade 360
- Brocade 320
- Hitachi VSP
- Hitachi AMS 2500
- Hitachi AMS 2100
- Hitachi HUS 130
- FalconStor

Respondents should provide details to answer the following:

Support Organization:

- Provide the number and locations of level 1 to level 4 support facilities
- Provide the number of technical support staff by region with specialized knowledge of each array in the hardware support matrix
- Define the number of factory-trained service technicians available through the local service depot (per physical data center location), and identify the centers from which technicians will be dispatched after hours, on holidays and during weekends
- Provide the average storage systems per FE ratio by geography
- Provide details on whether badged or subcontracted field engineers (Fes) are used to provide on-site break/fix support

Service:

- What classes of service to you offer: prime, 24/7, 4-hour response times, named representative support? Describe committed response times and mean time to repair (MTTR) by type of service disruption.
- Do you offer call home support?
- Do you augment call home support with proactive or predictive support capabilities?
- Do you offer support on a time and materials basis?
- Do you provide support for systems EOLed by their vendors?
- Do you provide reconfiguration services?
- Do you provide microcode updates? If yes, how are the microcode updates obtained?
- What other offerings beyond hardware TPM do you provide: health checks, software audits, software change control, etc.?
- What procedures are used for hardware replacements; detail what, if any, costs would be associated with the RMAs.
- Provide a copy of normal maintenance escalation procedures, and include communications with affected parties - with names and contact details of all parties affected.
- Describe how that emergency contact number will be answered and by whom:
 - Are there any times or restrictions by day, week or month on this service?
 - What information will those answering a call have available?
 - Will they have specific information on the system being proposed for the organization?

Part Accessibility:

- How do you obtain field replaceable units (FRUs)?
- Where are parts depots located? Where will spares be located?
- Will you purchase parts from the storage vendor to meet guarantees?
- Is there access to manufacturing notices? Microcode updates?

Infrastructure Investments:

- Are there call home facilities? With proactive and/or predictive capabilities?
- Is there automated dispatch of trained Fes?
- Are there diagnostic tools that identify failed FRUs?

Support Pricing Models:

- Are there minimum / maximum contract maintenance periods?
- Are certification fees charged before putting a system on maintenance?
- Is there a charge for FRU pricing?
- Are annual caps offered on maintenance cost increases?
- If time and material services are offered, are there:
 - Dispatch fee charges?
 - Time minimums?
 - Price lists for replacement parts?
- Are there any other price models offered?

Guarantees:

- Do you guarantee FE response times? Repair times?
- What are your escalation procedures?
- What remedies do you offer for failure to meet guarantees?
- What notice will be provided if you exit the business?

Other Related Business:

- Do you buy/sell used systems?
- Do you work with brokerage companies? If yes, please identify the top five?

Reference Checking:

- Can you provide customer references to speak to?

Section 4 – Evaluation

Below is an overview of ERCOT’s Storage Area Network and Tiered Storage. The environment consists primarily of Hitachi block storage and Brocade fabric. **Table 1 SAN / Storage Metrics** provides a high level summary of ERCOT’s SAN / Storage Environment and Administration Team:

METRIC	CURRENT
Number of Storage Arrays	25
<ul style="list-style-type: none"> 5 VSP with 8 AMS virtualized for primary storage w/ dynamic tiering and multiple disk types are leveraged to balance performance and capacity 4 AMS and 2 HUS for Oracle backups 2 AMS for video capture and NetBackup data 4 AMS for storage management 	
Total Storage Array Drives Installed	8,125
Total Storage Array FC Ports	784
Total Storage Array Memory	3.5 TB
Total Raw Storage Capacity	6.7 PB
Total Usable Storage Capacity	4.6 PB
Total Allocated Storage Capacity	3.6 PB
Total Consumed Storage Capacity	2.8 PB
Number FC Directors/Switches/Access Gateways	12 / 18 / 170
Number SAN FC Ports	~ 8,300
Number Array FC Ports	784

Table 1 SAN / Storage Metrics

Figure 1 Tiered Storage illustrates a high level topology of ERCOT’s Tiered Storage infrastructure.

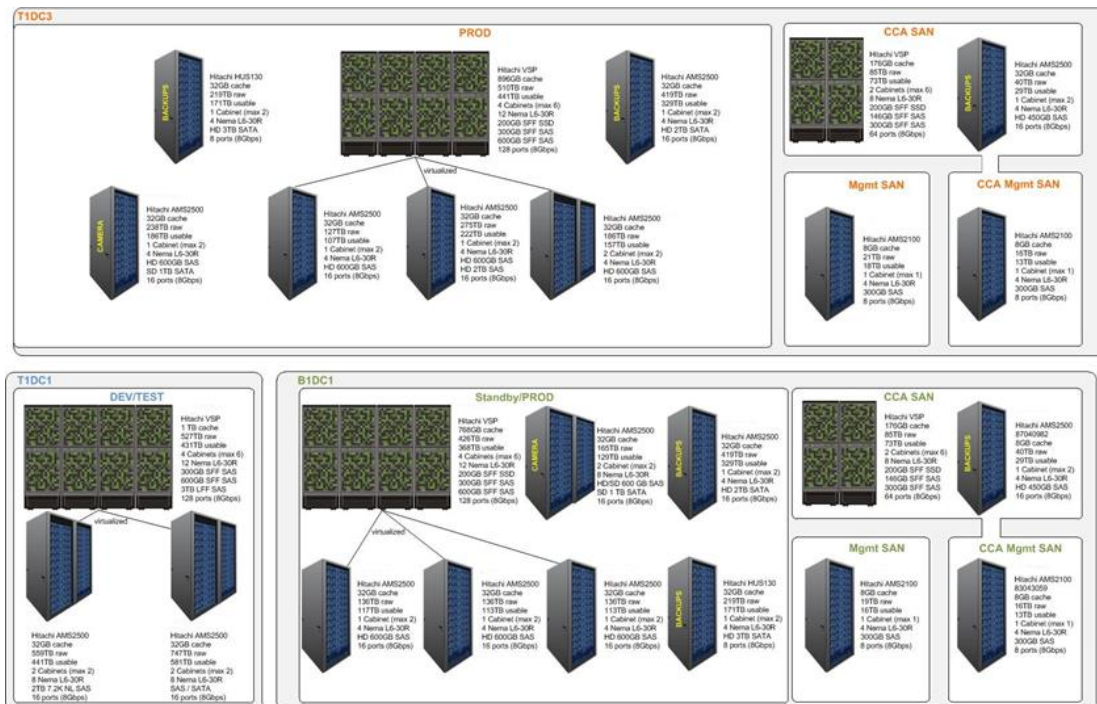


Figure 1 Tiered Storage

Table 2 Tiered Storage Inventory provides a summary of ERCOT's Tiered Storage Arrays.

Storage Array	Applications Supported	Criticality	Usable Capacity (TB)	Specifications
T1DC3 – PROD VSP	ALL NON-GRID	High	925	VSP / AMS2500 (3)
T1DC3 – CAMERA AMS	SECURITY CAMERA / NETBACKUP	Medium	186	AMS 2500
T1DC3 – PROD BACKUPS AMS	ORACLE PROD BACKUPS	Medium	500	AMS2500 / HUS130
T1DC3 – Mgmt SAN AMS	MGMT	Medium	18	AMS2100
T1DC3 – CCA SAN VSP	GRID	Critical	73	VSP
T1DC3 – CCA BACKUPS AMS	ORACLE GRID BACKUPS	High	29	AMS2500
T1DC3 – CCA Mgmt SAN AMS	GRID MGMT	High	13	AMS2100
<hr/>				
B1DC1 – PROD VSP	ALL NON-GRID	High	834	VSP / AMS2500 (3)
B1DC1 – CAMERA AMS	SECURITY CAMERA / NETBACKUP	Medium	129	AMS 2500
B1DC1 – PROD BACKUPS AMS	ORACLE PROD BACKUPS	Medium	500	AMS2500 / HUS130
B1DC1 – Mgmt SAN AMS	MGMT	Medium	16	AMS2100
B1DC1 – CCA SAN VSP	GRID	Critical	73	VSP
B1DC1 – CCA BACKUPS AMS	ORACLE GRID BACKUPS	High	29	AMS2500
B1DC1 – CCA Mgmt SAN AMS	GRID MGMT	High	13	AMS2100
<hr/>				
T1DC1 – DEV/TEST VSP	ALL NON PROD	Medium	1447	VSP / AMS2500 (2)

Table 2 Tiered Storage Inventory

ERCOT's Storage Area Network infrastructure is illustrated in **Figure 2 SAN Topology**.

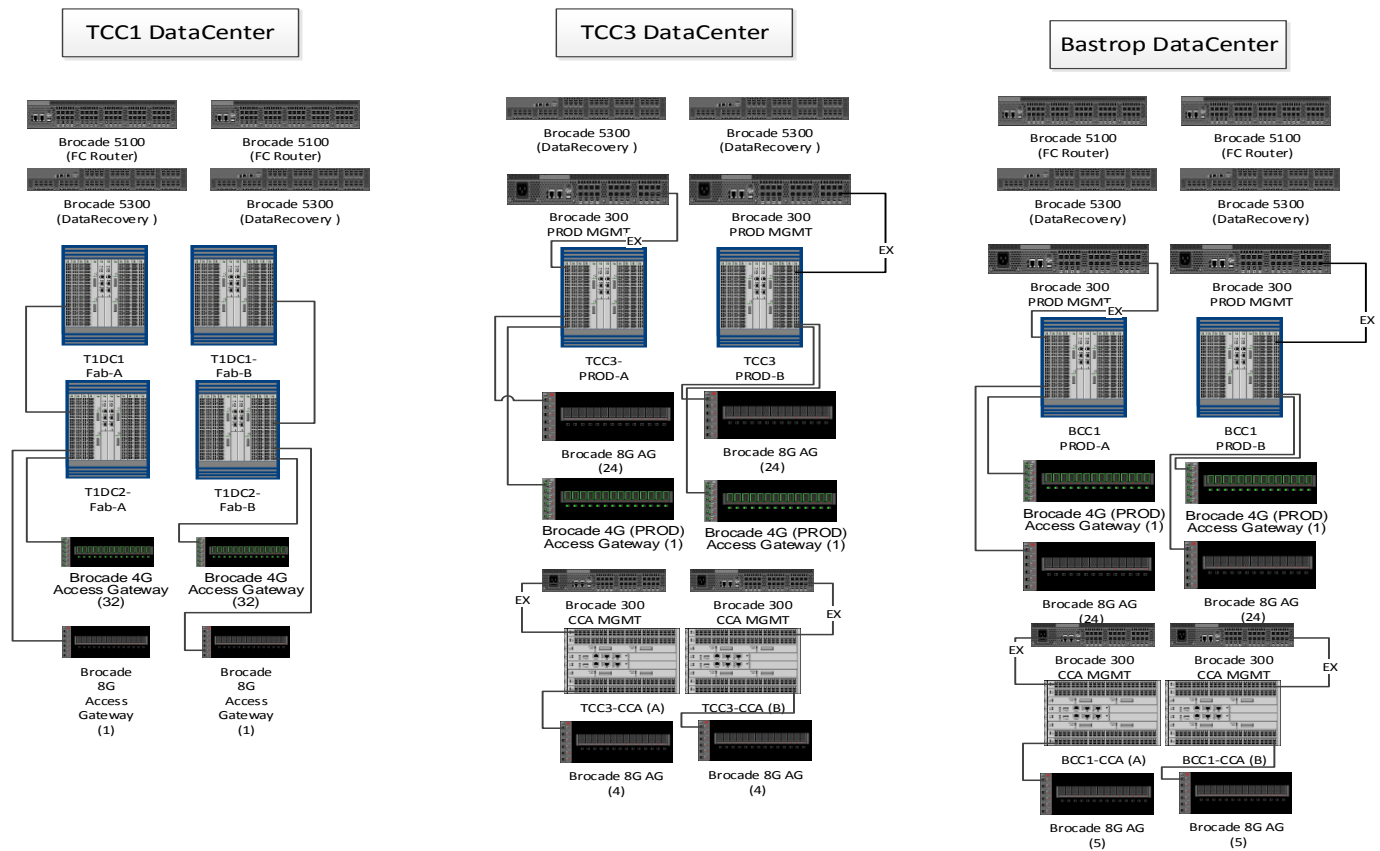


Figure 2 SAN Topology

Table 3 SAN Inventory provides a summary of ERCOT's SAN infrastructure:

SAN Environment	# Devices	# Ports	Specifications
TCC1 –FC ROUTERS	2	80	5100
TCC1 – BACKUP SWITCHES	2	160	5300
TCC1 – FABRIC	4	1,536	DCX
TCC3 – CORE FABRIC			
TCC3 – CORE FABRIC	2	1,024	DCX
TCC3 – PROD MGMT SWITCHES	2	32	300
TCC3 – CCA CORE FABRIC	2	256	DCX-4S
TCC3 – CCA MGMT SWITCHES	2	32	300
BCC1 – PROD FC ROUTERS			
BCC1 – PROD FC ROUTERS	2	80	5100
BCC1 – BACKUP SWITCHES	2	160	5300
BCC1 – CORE FABRIC	2	1,024	DCX
BCC1 – PROD MGMT SWITCHES	2	32	300
BCC1 – CCA CORE FABRIC	2	256	DCX-4S
BCC1 – CCA MGMT SWITCHES	2	32	300

Table 3 SAN Inventory

Table 4 Data Protection / Backup Metrics provides a high level summary of ERCOT's Data Protection infrastructure:

METRIC	CURRENT
Virtual Tape Library (VTL)	FalconStor
VTL Count / Total Capacity (TB)	2 / 262 TB
2 AMS for storage management	2

Table 4 Data Protection / Backup Metrics

Section 4 – Evaluation

Below are the specific models, serials and quantities

Model	Serial Number	Description	Quantity
Brocade DCX	7171512-001	SVRS Brocade DCX Integrated Routing Software Maintenance	1
	7171512-002	SVRS Brocade DCX Integrated Routing Software Maintenance	1
	7171512-003	SVRS Brocade DCX Integrated Routing Software Maintenance	1
	7171512-004	SVRS Brocade DCX Integrated Routing Software Maintenance	1
	AFX2551F005	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX Maintenance	1 1
	AFX2551F009	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1 1
	AFX2551F00E	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX Maintenance	1 1
	AFX2551F00F	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1 1
	AFX2551F00R	SVC PREM Port blade FC8-64,64P,648G SWL SVRS Brocade DCX Maintenance	1 1
	AFX2551F00T	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX Maintenance	1 1
	AFX2551F00Y	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX Maintenance	1 1
	AFX2551F00Z	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX Maintenance	1 1
	AFY2549F00B	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1 1
	AFY2549F00B-1	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-2	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-3	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-4	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-5	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-6	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-7	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AFY2549F00B-8	SVRS Brocade DCX Maintenance	1
	AHG0403F00F	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0409F07B	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0414F0CC	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0415F0MM	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0415F0NR	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0418F06R	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0418F08L	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0419F066	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0420F01A	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0420F07G	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0422F044	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0422F07F	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0424F007	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0424F0AS	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0425F0B5	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0429F04Y	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0431F04X	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0431F06X	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0431F0C2	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0431F0FD	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F05K	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F065	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F067	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F069	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F06E	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0432F06V	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1

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	AHG0433F05M	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0433F06D	SVRS Brocade DCX Maintenance	1
	AHG0433F08C	SVRS Brocade DCX Maintenance	1
	AHG0433F097	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0433F09K	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	AHG0433F0BC	SVCPREMDCXFC8-48,8Gb48PortBlade,488GbSWLSFP	1
	BAH0437F006	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0437F00W	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0437F01J	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0437F025	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0439F02S	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0439F02W	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0439F037	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F00C	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F00K	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F00R	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F00S	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F019	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F01E	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0445F01J	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00B	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00D	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00E	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00T	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00Y	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F012	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F02A	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F02C	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F02F	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F00D	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F00R	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F00W	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F01H	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F01L	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F01X	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F026	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F027	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F02B	SVC PREM Port blade FC8-64,64P,648G SWL	1
BrocadeDCX8510	7171512-001	SVRS Brocade DCX-4S Integrated Routing Software Maintenance	1
	7171512-002	SVRS Brocade DCX-4S Integrated Routing Software Maintenance	1
	7171512-003	SVRS Brocade DCX-4S Integrated Routing Software Maintenance	1
	7171512-004	SVRS Brocade DCX-4S Integrated Routing Software Maintenance	1
	ANN2552F005	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX-4S Maintenance	1 1
	ANN2552F02A	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX-4S Maintenance	1 1
	ANN2552F02F	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX-4S Maintenance	1 1
	ANN2552F02G	SVC PREM DCX 0 SFP Rack Mount FOS/WT/Z/DCX Ent SW Bndl SVRS Brocade DCX-4S Maintenance	1 1
	BAH0429F00D	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0437F003	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0439F035	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F00K	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F02B	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0446F02J	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F01A	SVC PREM Port blade FC8-64,64P,648G SWL	1
	BAH0450F02D	SVC PREM Port blade FC8-64,64P,648G SWL	1
Brocade 7800	ASS2510G02Y	SVC PREM SW 7800 w/upg lic 22P 16 8 Gb SWL SFP EGM sliderack mnt kit	1

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		SVRS 7800 and upg licbndl Maint req'd w/ 7800F	1
	ASS2510G036	SVC PREM SW 7800 w/upg lic 22P 16 8 Gb SWL SFP EGM sliderack mnt kit	1
		SVRS 7800 and upg licbndl Maint req'd w/ 7800F	1
	AYF00002058	SVRS EXT SW Integrated Routing SW Maint req'd w/EXTSIR	1
	AYF00002059	SVRS EXT SW Integrated Routing SW Maint req'd w/EXTSIR	1
Brocade 5340	AHX0627D06P	SVC PREM Brocade 5340 SW 80 ports 80 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5300 Maintenance	1
	AHX2543F04H	SVC PREM Brocade 5340 SW 80 ports 80 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5300 Maintenance	1
	AHX2543F04M	SVC PREM Brocade 5340 SW 80 ports 80 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5300 Maintenance	1
	AHX2543F04W	SVC PREM Brocade 5340 SW 80 ports 80 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5300 Maintenance	1
	BVF00003004	SRVS,B.N.APLUUPGBacklineSupport	1
Brocade 5140	ALM0614D00A	SVC PREM Brocade 5140 SW 40 ports 40 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5100 Maintenance	1
	ALM0616E04F	SVC PREM Brocade 5140 SW 40 ports 40 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5100 Maintenance	1
	ALM2515G01W	SVC PREM Brocade 5140 SW 40 ports 40 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5100 Maintenance	1
	ALM2517G02D	SVC PREM Brocade 5140 SW 40 ports 40 SWL 8Gb BR SFPs Ent Bndl	1
		SVRS Brocade 5100 Maintenance	1
Brocade360	ALJ2551F02E	SVC PREM Brocade 360 SW 24 port 24 SWL 8Gb BR SFP Ent Bndl	1
		SVRS Brocade 300 Maintenance	1
	ALJ2552F1P2	SVC PREM Brocade 360 SW 24 port 24 SWL 8Gb BR SFP Ent Bndl	1
		SVRS Brocade 300 Maintenance	1
	ALJ2552F1P4	SVC PREM Brocade 360 SW 24 port 24 SWL 8Gb BR SFP Ent Bndl	1
		SVRS Brocade 300 Maintenance	1
	ALJ2552F1P6	SVC PREM Brocade 360 SW 24 port 24 SWL 8Gb BR SFP Ent Bndl	1
		SVRS Brocade 300 Maintenance	1
Brocade 320	ALJ2544F0DE	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0E4	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0E6	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0E8	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0ED	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0EE	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0EF	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
	ALJ2544F0EK	SVC PREM Brocade 320 SW 8port 8SWL 8Gb BR SFP	1
		SVRS Brocade 300 Maintenance	1
VSP	53596	SVC VSP CC1 Mo Yr-B Maintenace Plus Service	1
		SVC VSP SBX 1 Mo Yr-B Maintenance Plus Service	3
	53779	SVC VSP 200GB SSD Maintenance Plus Yr-B (Per SSD 1 mo)	17
		SVC VSP CC1 Mo Yr-B Maintenace Plus Service	2
		SVC VSP SBX 1 Mo Yr-B Maintenance Plus Service	9
	54668	SVC VSP 200GB SSD Maintenance Plus Yr-B (Per SSD 1 mo)	66
		SVC VSP CC1 Mo Yr-B Maintenace Plus Service	2
		SVC VSP SBX 1 Mo Yr-B Maintenance Plus Service	10
	65017	SVC VSP 200GB SSD Maintenance Plus Yr-B (Per SSD 1 mo)	17
		SVC VSP CC1 Mo Yr-B Maintenace Plus Service	1
		SVC VSP SBX 1 Mo Yr-B Maintenance Plus Service	3
	66273	SVC VSP CC1 Mo Yr-B Maintenace Plus Service	2
		SVC VSP SBX 1 Mo Yr-B Maintenance Plus Service	7

Section 4 – Evaluation

		SVC VSP UBX 1 Mo Yr-B Maintenace Plus Service	1
AMS 2500	87013459	AMS 2000 Svc RKAK Premium 1 Mo Upg	8
		AMS 2000 Svc RKAKX Premium 1 Mo Upg	7
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040873	AMS 2000 Svc RKAKX Premium 1 Mo Upg	7
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040935	AMS 2000 Svc RKAK Premium 1 Mo Upg	24
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040970	AMS 2000 Svc RKAKX Premium 1 Mo Upg	9
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040979	AMS 2000 Svc RKAK Premium 1 Mo Upg	24
		AMS 2000 Svc RKAKX Premium 1 Mo Upg	6
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040980	AMS 2000 Svc RKAKX Premium 1 Mo Upg	4
	87040982	AMS 2000 Svc RKAKX Premium 1 Mo Upg	3
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040985	AMS 2000 Svc RKAK Premium 1 Mo Upg	1
		AMS 2000 Svc RKAKX Premium 1 Mo Upg	8
		AMS 2500 Svc Premium 1 Mo Upg	1
	87040996	AMS 2000 Svc RKAK Premium 1 Mo Upg	2
		AMS 2000 Svc RKAKX Premium 1 Mo Upg	6
AMS 2500 Svc Premium 1 Mo Upg		1	
87041012	AMS 2000 Svc RKAKX Premium 1 Mo Upg	7	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87041022	AMS 2000 Svc RKAKX Premium 1 Mo Upg	6	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87041103	AMS 2000 Svc RKAK Premium 1 Mo Upg	13	
	AMS 2000 Svc RKAKX Premium 1 Mo Upg	4	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87041113	AMS 2000 Svc RKAKX Premium 1 Mo Upg	5	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87041120	AMS 2000 Svc RKAKX Premium 1 Mo Upg	6	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87041387	AMS 2000 Svc RKAK Premium 1 Mo Upg	10	
	AMS 2000 Svc RKAKX Premium 1 Mo Upg	3	
	AMS 2500 Svc Premium 1 Mo Upg	1	
87042217	AMS 2000 Svc RKAKX Premium 1 Mo Upg	7	
	AMS 2500 Svc Premium 1 Mo Upg	1	
AMS 2100	83043019	AMS 2000 Svc RKAK Premium 1 Mo Upg	3
		AMS 2100 Svc Premium 1 Mo Upg	1
	83043059	AMS 2000 Svc RKAK Premium 1 Mo Upg	3
		AMS 2100 Svc Premium 1 Mo Upg	1
	83043081	AMS 2000 Svc RKAK Premium 1 Mo Upg	5
AMS 2100 Svc Premium 1 Mo Upg		1	
83043209	AMS 2000 Svc RKAK Premium 1 Mo Upg	4	
	AMS 2100 Svc Premium 1 Mo Upg	1	
HUS 130	92142533	HUS DBL Svc Premium Upg Yr-B +1 Mo	1
		SVC Mo HUS 130 Base Operating System Mlic - SWS ppt	6
	92142537	HUS 130 Svc Premium UpgYr-B +1 Mo	1
		HUS DBL Svc Premium Upg Yr-B +1 Mo	6
FalconStor	FS27670	Appliance Gold Maintenance,SIR Cluster Appliance	5
		Appliance Gold Maintenance,VTL Cluster Appliance	2
		Software Gold Maintenance, 1 TB SIR Capacity License	256
	FS27680	Appliance Gold Maintenance,SIR Cluster Appliance	5
		Appliance Gold Maintenance,VTL Cluster Appliance	2
Software Gold Maintenance, 1 TB SIR Capacity License		256	

- 2.2.1** Except for current ERCOT suppliers who have an active Master Agreement with ERCOT or who have completed the Vendor Information Form (VIF) within the last six months, all Respondents must complete a Supplier Vendor Information Form along with the proposal and provide it to the person identified in the form itself when submitting notice of intent to bid.
- 2.2.2** Before entering into a contract with ERCOT, respondent must become a qualified vendor. The qualification process may require that Respondent provide information demonstrating respondent's financial and commercial viability. In the event respondent's staff requires unescorted access to ERCOT facilities, they will be required to undergo identity verification, a background check including a criminal history report, and drug testing.
- 2.2.3** Respondent agrees to accept the ERCOT terms and conditions.
- 2.2.4** This RFQ may contain information that is confidential and proprietary. Respondent may not use the information contained herein for any purposes other than the preparation of a response to this RFQ. Confidential or proprietary information provided by respondent (and marked as such in accordance with the rules of this RFQ) will be handled as confidential by ERCOT and all project team members assisting in the evaluation process.

3 Appendix

3.1 Appendix A - Vendor Information Form and W-9 Form

3.1.1 New Vendors doing business with ERCOT are required to submit signed copies of the NDA, IRS W-9 and Vendor Information Form

Forms can be located at <http://www.ercot.com/about/procurement/index.html>.

3.2 Appendix B – Request for Quote Pricing Sheet Format

LINE #	QTY	ITEM	PART #	DESCRIPTION	Unit List Price	List Extended	Unit Negotiated Price	Negotiated Extended	% Discount Off
1									
2									
3									
4									

THIS IS NOT AN ORDER