PROJECT: SUPPLY, DELIVERY, AND INSTALLATION INTO OPERATIONAL STATE OF FILE TRANSFER PROTOCOL (FTP) SOLUTION

A. QUERIES RAISED DURING THE PRE-BID CONFERENCE

		Query/Clarifications	TWG/BAC Reply
1		Bridgeway Communication System Inc.	
	a.	BCSI- Is there any mandated platform, like windows or in terms of hardware, is it interface or not?	None. The bidder shall propose both Hardware and Software that are solution-based and interfaced with each other.
	b.	So, there is an application that will go through with the solution that will provide or is it independent software or application that we will be providing and will just interface with your UNIX or Solaris platform?	Both Hardware and Software shall be provided by the bidder.
2		Bridgeway Communication System Inc.	
	a.	With regards to SLCC, would you allow as an option to the FTP transfer solution and consider back- up solution as well?	No. Definition of SLCC for this requirement shall be Supply, and Delivery of Managed File Transfer Solution (Hardware and Software). This amends Section III – Bid Data Sheet, Item 5.3, 1 of the PBD.
	b.	The amount in the ABC is quite high for FTP; so, we're looking at other options because it's also software, even if it's only a backup solution.	Noted.
3		IBM PH	
	a.	May I know the average file size of the file transfer?	Currently, minimum of 11mb and maximum of 20mb.

		b. May I know the total number of transfers per day?	1,000 transfers per day
4	Questronix Corporation		
		a. In terms of SLCC, can we ask if our principal credentials allowed in the SLCC? We are a business partner.	No. The bidder and its principal have separate and different judicial personality, hence the principal's credentials cannot be considered for the purpose of determining the SLCC.
		b. Can we submit aggregate projects for SLCC, since SLCC is 15 and, can we at least submit 2 projects instead of one.	No. Aggregate completed contracts cannot be considered at this point.
5	First Data Corporation		
		a. How many server end point are we talking about in FTP? Total server endpoint?	The solution requires that the Compute/Resource Capacity can handle at least 200,000 participants (FTP Clients).
		b. About the existing Cisco Nexus connection, what is its former version?	Firmware version is 7.3.
		c. About the FTP software, what is your preference, is it perpetual or can we offer on premise subscription?	Perpetual License.

B. WRITTEN QUERIES

ITEM NO.	QUERIES/CLARIFICATIONS	TWG RESPONSE
1	Bridgeway Communication System Inc wishes to inquire guidance on the following questions: a. For Top of Rack Switch, is 10G Copper port acceptable?	No
	b. If TOR has 24 ports, do we provide cables as well for the spare ports?	No
	Or only those needed to connect our solutions PLUS the uplink cable going to the NEXUS Switch?	Yes
	c. What is the type of port (qSFP? SFP+?) does NEXUS has for the TOR uplink connection?	10Gbase-SR SFP+ (SFP-10G-SR-S)
	d. How far the location of the of the TOR from the NEXUS Switch (this for the length of the cables for interconnection)?	More or less 30 meters
	e. For the workstation? Can we offer a clone workstation?	No. Remote administration workstation shall be a Laptop Computer.
	Should be branded?	Yes.
	Is there a preferred Brand?	No. This amends Section VII – Technical Specifications, Item 8, Remote Administration Workstation, a. Must be a Laptop Computer
	f. For the server where the FTP solution will be installed, can we offer intel-based server?	Yes
	g. Can we use Windows based Operating System?	Yes

2	Additional inquiry from Bridgeway Communication System Inc.	
	1. What processor can we offer? Intel? AMD?	Processor can be either Intel-based or AMD-based. RISC-based is also acceptable.
	2. Separate UPS required for the proposed system?	None
	3. Does Load balancer requires redundancy on the Production site?	No
	4. May we appeal on the Payment terms? 50% Downpayment 40% Progess Billing broken down as follows: 20% upon Delivery 10% Installation 10% upon commissioning 10% Upon Project acceptance	Payment shall be one-time upon project acceptance and submission of complete billing documents.
3	5. For 25TB storage, do you require dual controller? Dual power Supply?	The 25TB storage can have Dual Controller and Dual-Power Supply.
	What RAID should be proposed?	RAID 5 This amends Section VII – Technical Specifications, Item 2.f and Item 2.g of the PBD. f. At least 25TB (usable, net of RAID 5) Network Attached Storage for Production Environment. g. At least 25TB (usable, net of RAID 5) Network Attached Storage for Production Environment.
	6. Do you require redundant 25TB in Production Site?	No, but will be accepted if the proposed solution requires.
	7. Do we include replication of storage from Production Site to DR Site?	Yes.

			This amends Section VII – Technical Specifications, Item 5 of the PBD. o. Data replication between Production and Disaster Recovery Sites
	8. Does SSS has high speed link from Production to DR?		SSS has 500mbps link.
	9. For the Load balancer, do you require High Availability on Load balancer?		No.

4	We would like to submit our technical questions of the following.
	
	2. IT Resources
	  a. At least 2 external facing MFT (Clustered) servers for Production Environment.
	  b. At least 2 internal-facing MFT (Clustered) servers for Production Environment.
	  c. At least 1 external facing MFT server for DR Environment.
	  d. At least 1 internal-facing MFT server for DR Environment.
	  e. At least 1 server resource for system development.
	
	1. Server detailed specs
	
	General server sizing questionnaire:
	
	Specific Processor Model:
	
	No. of Physical Processors:
	
	No. of Cores per Processor:
	
	Total Memory qty and GB per stick:
	
	Drive Capacity:
	
	Drive RPM:
	
	Drive interface:
	
	RAID Config:
	
	Network Interface:
	
	Network Speed:
	
	No. of Network Ports:
			The server sizing shall be dependent on the proposed solution as long as it can meet the following criteria:
			
			a) Compute resources shall be able to handle at least 200,000 FTP clients.
			b) Compute resources shall be able to handle at 400 concurrent FTP sessions.

		Operating System:	
		Form Factor (tower/rack):	
5		Single Largest Completed Contract (SLCC) that is similar to the project:	
		a. Can we submit a project which is already completed (with certificate of acceptance from customer), fully billed but not yet fully paid by the customer due to payment terms agreed as SLCC?	Yes.
		b. Our proposed FTP solution for this project will be utilizing the Manage File Transfer component of BMC Control-M Workload Automation platform from BMC Software (please see https://www.bmc.com/it-solutions/control-m-managed-file-transfer.html). We have completed a project with a government agency utilizing the entire BMC Control-M platform as a solution for Disaster Recovery Management System automation use case, can you consider this as SLCC?	Yes. This amends Section III – Bid Data Sheet, Item 5.3, 1 of the PBD. 1. Supply and delivery of Managed File Transfer Solution (Hardware and Software)
6		Schedule of Requirements: May we request to extend the overall delivery schedule from One Hundred-Fifty (150) calendar days from receipt of Notice to Proceed and Signed Contract to Two Hundred-Forty days (240) calendar days due to global chip shortage in the hardware components.	No.
7		Bid Submission: May we request to extend the deadline of bid submission from March 31, 2022, to April 22, 2022, to have ample time to prepare and consolidate the software and hardware offerings.	Submission and Opening of Bids scheduled on **April 21, 2022.**

8	License:
	
	Can we offer an on-premise license subscription for three (3) years for the license of the File Transfer Solution software instead of a perpetual license type?
		No. License requirement shall be perpetual.
		
		Our license requirements are as follows:
		
		  a) Perpetual License
		  b) At least 200,000 Participants (FTP Clients).
		  c) At least 400 Concurrent Sessions.
		
		This amends Section VI – Schedule of Requirements, Item 1 License Requirement of the PBD.

9	Implementation Services: Our proposed FTP solution for this project will be utilizing the Manage File Transfer component of BMC Control-M Workload Automation platform from BMC Software (please see https://www.bmc.com/it-solutions/control-m-managed-file-transfer.html). BMC Software's requirements for the implementation of this solution specifies that we have to use their professional services. Can we re-sell BMC Professional Services to SSS together with the licenses for this project and not be considered as sub-contracting?	No. Sub-contracting is not allowed.
10	Technical Specifications: Compute Resources/Capacity a. For at least 200,000 Participants (FTP Clients). b. For at least 400 Concurrent Sessions/Connections.	

	QUESTION: What is the total number of Server Endpoints that the solution will monitor or manage?	The solution requires that the Compute/Resource Capacity can handle at least 200,000 participants (FTP Clients).
11	Solution Functionalities a. Facility for Managed File Transfers. b. Enrollment wizard and reusable templates. c. Policies and controls by group. d. Simultaneous uploading of multiple files. e. Real-time data transfer. f. Can transfer higher than 2Gb file size. g. Can compress more than 2Gb files for faster transmission. h. Automatic restart at last point of interruption. i. Supports email notification. j. Sending of alerts to mobile devices. k. Automatic copy, move, delete of transferred files from client to another directory on same server for backup and batch processing. l. Automatic transfer of files by clients to backup server. m. Capable of automated replay, reprocess and resend associated with failed file transfers. n. Routing of files based on sender, file name, file type and file contents. QUESTIONS: What is the average file size for the files to be transferred?	 Currently more or less 11 to 20MB.
	How many file transfers or the average file transfer per day?	There are at least 250 scheduled file transfer everyday averaging 500 to 600 files.
12	IT Resources a. At least 2 external facing MFT (Clustered) servers for Production Environment.	

b. At least 2 internal-facing MFT (Clustered) servers for Production Environment.
c. At least 1 external facing MFT server for DR Environment.
d. At least 1 internal-facing MFT server for DR Environment.
e. At least1 server resource for system development.
f. At least 25TB Network Attached Storage for Production Environment.
g. At least 25TB Network Attached Storage for DR Environment.
h. Must have a dedicated Load Balancer equipment with at least10G interface.
i. Supports Virtualization.
j. Network Equipment to connect all resources:
 	
   1. Minimum of 2 units Top-of-Rack (TOR) Switches with10G ports and two (2) 40G Uplink to Core switch. TOR must have total number of ports that can support the required number of ports of the proposed solution. TOR must also have at least 12 available spare ports (for future requirements)
   2. Must be compatible with SSS existing Cisco NEXUS7009 Core Switch.
   3. Must have the necessary bidirectional (BiDi) 40-Gbpstransceivers that can enable reuse of SSS existing 10gigabit duplex MMF infrastructure for future migration to 40 Gigabit Ethernet connectivity.
   4. Other necessary network resources such as, but not limited to patch fiber/copper cables (servers to TOR switches and TOR Switches to Core Switches), for both the Main Production Site and Disaster Recovery Site.
 	
k. IPV4/IPV6-compliant.
l. Compute resources must be able to handle at least 200,000FTP clients.
m.Must be able to handle at least 400 concurrent FTP sessions.
n. RDBMS requirements, if any, shall be included in the system. (Must be comparable or compatible with SSS	

	existing RDBMS)	
	QUESTIONS:	
	What is the firmware version of the existing Cisco Nexus 7009 and the available ports in it?	Firmware version is 7.3.
	Will there be an available slot in the rack to accommodate all the servers both in HQ and DR? or we are going to provide?	The Solution Provider shall provide the required Server Racks. Item 2: IT Resources. o. Required Server Racks shall be provided. This amends Section VII – Technical Specifications, Item 2 of the PBD. m. Standard 19" Server Racks shall be provided for both sites.
	If we are going to provide one, do we also need to provide UPS etc.?	UPS is not required.
	What would be the hardware specification requirements for the server specified in 2.E	Hardware specification is solution-based, hence, shall depend on the proposed solution.
	What would be the setup of the load balancer? in-line or one-armed?	One-armed.
	Is the HA for the load balancer needed?	No, but will be accepted if the proposed solution requires.

13	Is it possible to separate the Payment Terms of Hardware and Software as follows? 10% Project Kickoff 40% Delivery of Hardware 20% Migration 20% Project Completion Hardware 10% Retention	No. Payment shall be one-time upon project acceptance and submission of billing documents.
14	We would like to request to allow up to two (2) aggregate contracts for the SLCC requirement.	No.
15	How many environments do you need to setup? (PRD/DR/UAT/SIT/DEV)?	Development, Production and DR.
16	Do you need HA?	No, but will be accepted if the proposed solution requires.
17	Are you going to use hypervisor? If yes, please indicate the hypervisor (PowerVM/VMWare/KVM/XEN/etc)	Use of a Hypervisor shall depend on the proposed solution.
18	Please indicate the preferred operating system. (Windows/Linux/AIX)	Operating System is Solution-based, hence, can be a Windows Server Operating System (OS) or Linux OS or AIX OS. Solaris OS is also acceptable.
19	Please indicate the preferred server. (x86/Power/etc)	The server can be x86/Power/etc. as long as it can meet the following criteria: a) Compute resources shall be able

			to handle at least 200,000 FTP clients. b) Compute resources shall be able to handle at 400 concurrent FTP sessions.
20	At least 25TB Network Attached Storage for Prod and DR environment, are USABLE or RAW Capacity?		Usable. This amends Section VII – Technical Specifications, Item 2.f and Item 2.g of the PBD. f. At least 25TB (usable, net of RAID Level 5) Network Attached Storage for Production Environment. g. At least 25TB (usable, net of RAID Level 5) Network Attached Storage for DR.
21	What is the raid level requiring for Storage?		RAID Level 5
22	Use of the storage (database, transactional, backup, archive)		Storage shall be used for transactional and moving data, archive, backup, file

		repository, etc.
23	What are the types of data to be stored?	Flat File, Txt Files, .xls, .jpeg
24	Estimated growth capacity (annual)?	Forty percent (40%) annual growth rate.
25	What is the connectivity required for NAS Storage (10gb or more than)? What is the existing bandwidth?	10G.
26	Any features need for NAS Storage?	None.
27	What is the workload to be installed on the storages?	Storage shall be used for transactional and moving data, archive, backup, file repository, etc.
28	What is your existing FTP? What is the current operating system? this will be regarding the migration.	SSS Current FTP Solution is Tectia Software and the Operating System is Solaris 10.5.
29	For training, is this with formal training with certification or knowledge transfer only? Is this remote or onsite?	Either formal training with certification or knowledge transfer is acceptable, at no additional cost to SSS. Remote (On-Line) or onsite training are both acceptable.

30	How many remote administration workstation and CPU/Processors requires?	At least one (1) remote administration workstation (laptop computer) is required. CPU/Processors shall be solution-based and shall be dependent on the proposed solution.
31	Where is the delivery of the machines? HO and DR or HO then after that we will relocate?	SSS Main Office and SSS Disaster Recovery Sites. However, DR components can be delivered and configured at the Main Office to be relocated later to the SSS DR site by the solution provider.
32	For transceivers: Multimode or Single Mode?	Multi-mode
33	What is the distance between the equipments that need fiber/copper connection?	More or less 30 meters.
34	What is the existing RDBMS?	Oracle RDBMS.
35	For Letter I, Automatic transfer of files by clients to backup server., is this for hardware component? What is the existing backup?	Automatic transfer of files by clients to backup server shall no longer be required. This amends Section VII – Technical

		Specifications, Item 5 of the PBD.
36	The solution is bundled with DB2. If you prefer to use other databases, please indicate your preferred database and version. We support Oracle and MS SQL – DB2 is bundled with Sterling	Database requirements shall be included in the system (Oracle or MS SQL Server).
37	What is the number of Trading Partners/External Parties?	Approximately 300 Trading Partners/External Parties.
38	What is the number of Internal Systems that needs to be connected?	At least 3 internal systems.
39	For dual factor authentication, may I know what is the software that you are using?	The project does not require dual-factor authentication.
40	Are there any data transformation required? For example, for EDIFACT to XML or XML to CSV, etc.	None.
41	If answer for 10 is yes, please fill in the under-mentioned	N/A

Table within item 41:

Type of transformation	# of documents per day	# of bytes in average documents	Avg # of documents in file	# of documents in peak hour	Data retention in days
Eg EDIFACT to XML					

30	For each of the protocol that has to be supported, please provide information	• Protocol: SFTP • Average file size in MB: 11 to 20 • No. of concurrent file transfers during pean period: 400 • No. of file transfer during peak hours: 400 to 600 • Total no. of files transferred per day: 1,000 (Average) • File retention in days: NO DELETION. All files are saved in their respective Archive Directory.

Protocol	Avg file size in MB	# of concurrent file transfers during peak period	# of file transfer during peak hours	Total # of files transferred per day	File retention in days
SFTP	11 to 20	400	400 to 600	1,000 (Avg)	No deletion

31	What is the number of peak hours per day? (The time you would expect to send or receive the most files)	From 8AM to 7PM daily.