Organization for Security and
Co-operation in Europe
Project Co-ordinator in Ukraine

Date: 03 September 2018

Clarification Note # 3

Invitation to Bid (ITB) No. UKR/05/2018 - Supply and Delivery of HPE Data Backup Equipment and Provision of Associated Services on Installation and Setup

In accordance with issued ITB No. UKR/05/2018, the OSCE would like to provide the following clarification to the ITB Documents.

Question:

Unfortunately, HPE BladeSystem c7000 Enclosure part number 507019-B21 is the second generation of C7000 chassis and is not compatible with the FC 16Gb switches requested in the tender. In addition, the FC 8Gb switches requested as an alternative are EOL (End of life and not available to order as NEW and not Used. Available option is Remarketed by HPE or Remarketed by Partner) from June 8, 2018.

There are several options for resolving the issue:
1. Change the service line in the existing chassis. It would be needed to do a complete stop of all servers with subsequent disassembly and assembly of the chassis, these are additional works of the engineer (4 hours of interruption).
2. Change the full chassis to the new generation of C7000.
3. Use the remarketing program and purchase FC 8Gb switches from Remarketing or Service channel.

Answer:

The Central Election Commission operates HPE BladeSystem c7000 Enclosure (Part Number 507019-B21, Serial Number CZ3235V6LR) with 16 HP ProLiant BL460c Gen8 servers, which does not have any optical switches or adapters.

To provide a possibility to connect the above-mentioned servers with an optical network, the procurement of adaptors is envisaged (item №4 of the Terms of Reference, an adaptor for each server, quantity - 16). One of the acceptable adaptor options is HPE QMH2672 16Gb FC HBA for BladeSystem c-Class, which is compatible with bl460c Gen8 servers placed in HPE BladeSystem c7000 Enclosure (Part Number 507019-B21) and may work with the above-mentioned servers at a speed of 8 Gb/s, which is sufficient.
Please see below an extract from an official document concerning compatibility.

Platform Information

Models

HPE QMH2672 16Gb Fibre Channel Host Bus Adapter	710608-B21

Kit Contents	HPE QMH2672 16Gb FC HBA for HPE BladeSystem c-Class Quick install card Product warranty statement
Compatibility - **Supported Servers**	HPE ProLiant BL460c Gen9 Server HPE ProLiant BL660c Gen9 Server HPE ProLiant WS460c Gen9 Server HPE ProLiant BL460c Gen10 Server NOTE: The HPE QMH2672 16Gb FC HBA for HPE BladeSystem c-Class must be deployed with the BladeSystem c-Class infrastructure and will only work with the BL c-Class Server Enclosures. NOTE: The HPE BladeSystem c7000 Platinum Enclosure is required to permit 16Gb/s speed. Other HPE BladeSystem c7000 Enclosures and HPE BladeSystem c3000 Enclosures will have a maximum speed of 8Gb/s. NOTE: The HPE QMH2672 16Gb FC HBA for HPE BladeSystem c-Class is not compatible with 4Gb BladeSystem c-Class Fibre Channel interconnects. NOTE: The HPE QMH2672 16Gb FC HBA for HPE BladeSystem c-Class is not compatible with HPE ProLiant G7 and earlier server blades. NOTE: This is a Type A mezzanine card, and can be configured in either Type A or Type B slots on HPE ProLiant Gen8 Server Blades.

In addition, for the purposes of optical network operation, the procurement of switches is envisaged (item №1 of the Terms of Reference, quantity - 2). One of the acceptable switch options is Brocade 16Gb SAN Switch for HPE BladeSystem c-Class, which is compatible with HPE BladeSystem c7000 Enclosure and may support the optical network operation at a speed of 8Gb/s.

Please see below an extract from an official document concerning compatibility.

Product Highlights

https://h20272.www2.hp.com/spock/

NOTE: Supports 3PAR StoreServ storage with 3.2.2 or later with only 16Gb target ports on HPE 3PAR StoreServ storage.

BladeSystem compatibility

The Brocade 16 Gb SAN Switch for HPE BladeSystem c-Class must be deployed within the HPE BladeSystem c-Class infrastructure and is compatible only with HPE BladeSystem c-Class Enclosures.

NOTE: The HPE BladeSystem c7000 Platinum Enclosure is required to permit 16 Gbps speed on the internal ports. Other HPE BladeSystem c7000 Enclosures will have a maximum speed of 8 Gbps.

NOTE: The HPE BladeSystem Onboard Administrator (OA) 4.0 is required when configuring the Brocade 16Gb SAN Switch for HPE BladeSystem c-Class in a C7000 enclosure.

HPE ProLiant Servers	ProLiant BLc server blades (ProLiant BLc server blades with support for 8Gb and 16Gb Fibre Channel Mezzanine cards - Please refer to the server and mezzanine card QuickSpecs for details)
HPE FC HBA Mezzanines	8Gb and 16Gb HPE Fibre Channel Mezzanine cards for Bladesystem c-Class are supported

Sincerely,

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