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Date: 15 July 2019

**Clarification Note # 1**

**Invitation to Bid (ITB) No. UKR/03/2019 - Supply and Delivery of Web Application Firewall including Five Year Support Services Bundle and Provision of Associated Services on Deployment and Setup**

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In accordance with issued ITB No. UKR/03/2019 - Supply and Delivery of Web Application Firewall including Five Year Support Services Bundle and Provision of Associated Services on Deployment and Setup, the OSCE would like to provide the following clarifications to the ITB Documents:

**Question 1:** We have a question about technical specification: In requirements you got 2FA requirement: *Authentication:*

- RSA Access for 2-factor authentication.

How many concurrent users using 2FA is required?

**Answer 1:** WAF solution must support at least 500 000 concurrent users using 2FA.

**Question 2:** There is a question about transceivers:

- 1000BASE-SX Transceiver
- 1000BASE-LX Transceiver
- 10GBASE-SR Transceiver
- 10GBASE-LR Transceiver

In what quantity they needed (if needed)?

**Answer 2:** At the first stage, we plan to use copper transceivers - RJ-45 (that are integrated into the base platform on many vendors). If there is no such integration, then you need to offer transceivers (10/100/1000Gbps, RJ-45) that can be installed into the platform in the amount of not less than 6 pieces.

At the same time, the platform should be able to upgrade to the use of 1Gbps optical transceivers (1000BASE-SX or 1000BASE-LX) at least 4 or 10Gbps (10GBASE-SR or 10GBASE-LR) at least 2. Installation seats for optical interfaces should be integrated on the platform or offered as extension modules. At the first stage, optical transceivers are not required.

**Question 3:** Our solution can only provide 4 copper transceivers – RJ 45. We can provide SX,LX,SR,LR extension. Is it complied with technical specifications and requirements?

**Answer 3:** Requirements concerning the total number of RJ-45 may be met on the basis of the total number of integrated interfaces and interfaces on an expansion module with additional transceivers. The aggregate number of RJ-45 shall be at least 6.

But bidders must also consider the requirement for optical interfaces. Expansion modules should also have additional seats for:

- 1Gbps optical transceivers (1000BASE-SX or 1000BASE-LX) at least 4.
- 10Gbps (10GBASE-SR or 10GBASE-LR) at least 2.

Sincerely,

  
Emina Sibic,  
Chief of Fund Administration,  
OSCE Project Coordinator in Ukraine

