



EUROPEAN UNION

Delegation of the European Union to Bosnia and Herzegovina

Corrigendum No. 1 to the Tender Dossier

“Technical strengthening of the capacities of the Ministry for Human Rights and Refugees and the social service providers”, Bosnia and Herzegovina

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The following changes in the **Annex II, Technical Specifications and Annex III, Technical offer** have been made, as listed below:

ANNEX II+III Technical Specifications + Technical Offer:

1. Item 1.1 Blade Enclosure

The 8th bullet point:

- Min. 24 x 10GB connectivity equipped with four (4) 10Gb SR SFF+ and two (4) 10 Gb SFP+ 5m cables – Full redundancy.

is deleted and replaced with the following text:

- **Min. 16** x 10GB connectivity equipped with four (4) 10Gb SR SFF+ and **four (4)** 10 Gb SFP+ 5m cables – Full redundancy.

2. Item 1.2 Blade servers

a) The 2nd bullet point:

- Blade server must be full-height

is deleted.

b) The 6th bullet point:

- Disk installed: 1 x 8GB Micro SD Flash Media for installing OS

is deleted and replaced with the following text:

- Disk installed: 1x8GB Micro SD Flash Media for installing OS, **or equivalent.**

c) The 8th bullet point:

- Supported operating system: Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), Oracle Solaris, VMware, Citrix XenServer

is deleted and replaced with the following text:

- Supported operating system: Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), Oracle Solaris **or newer generation Oracle operating systems**, VMware, Citrix XenServer

3. Item 1.4 Backup Hardware

The 9th bullet point:

- Number of hosts supported: Unlimited

is deleted and replaced with the following text:

- Number of hosts supported: **minimum 1024**

4. Item 1.5 Backup Software

The 1st bullet point:

- License for 2TB frontend backup data

is deleted.

5. Item no. 1.6 Firewall Type 1

a) The 1st bullet point:

- Firewall: NAT, PAT, Transparent (Bridge), Routing Mode (RIP v1 & v2, OSPF, BGP, & Multicast), Policy-Based NAT, VLAN Tagging (802.1Q), User Group-Based Authentication, SIP/H.323 NAT Traversal. Minimal Firewall Throughput 7 Gbps, Minimum IPSec VPN Throughput 4 Gbps, Total 10/100/1000Mbps interface -min 7., Internal storage min 30GB.

is deleted and replaced with the following text:

- Firewall: NAT, PAT, Transparent (Bridge), Routing Mode (RIP v1 & v2, OSPF, BGP, & Multicast), Policy-Based NAT, VLAN Tagging (802.1Q), User Group-Based Authentication, SIP/H.323 NAT Traversal. Minimal Firewall Throughput 7 Gbps, Minimum IPSec VPN Throughput **1.5 Gbps, IPS throughput min. 1Gbps**, Total 10/100/1000Mbps interface -min 7., **Internal storage min 120GB**.

b) The 4th bullet point:

- Management/Administration Options: Console Interface (RS-232), WebUI (HTTP/HTTPS), Telnet / Secure Command Shell (SSH), Role-Based Administration, Multi- language Support, Multiple Administrators and User Levels, Upgrades and Changes Via TFTP and WebUI, System Software Rollback, Central Management.

The underlined text from the 4th bullet point as specified above is deleted. The 4th bullet point now reads:

- Management/Administration Options: Console Interface (RS-232), WebUI (HTTP/HTTPS), Telnet / Secure Command Shell (SSH), Role-Based Administration, Multiple Administrators and User Levels, Upgrades and Changes Via WebUI, System Software Rollback, Central Management.

c) The last (6th) bullet point:

- OS Features: Advanced Threat Protection, Client Reputation Analysis, Feature Select, Contextual Visibility, Extended Single Sign-On, On-Device Sandbox, Cloud-Based Sandbox, Per-Device

Security Policies, Secure Guest Access, Enterprise-class Firewall, VPN - IPSec and SSL, SSL-encrypted Traffic Inspection, Antivirus / Antispyware, Antispam, Intrusion Prevention System (IPS), Data Loss Prevention (DLP), Flow-based Inspection Options, Web Filtering, Application Control, Endpoint Network Access Control (NAC), Vulnerability Management, Monitoring, Logging and Reporting, WAN Optimization, Wireless Controller, VoIP Security, Central Management, Virtual Domains, High Availability, Layer 2/3 Routing Services, IPv6-Ready.

The underlined text from the last (6th) bullet point as specified above is deleted. The 6th bullet point now reads:

- OS Features: Advanced Threat Protection, Contextual Visibility, Extended Single Sign-On, Per-Device Security Policies, Secure Guest Access, Enterprise-class Firewall, VPN - IPSec and SSL, SSL-encrypted Traffic Inspection, Antivirus / Antispyware, Antispam, Intrusion Prevention System (IPS), Data Loss Prevention (DLP), Flow-based Inspection Options, Web Filtering, Application Control, Endpoint Network Access Control (NAC), Monitoring, Logging and Reporting, Central Management, Virtual Domains, High Availability, Layer 2/3 Routing Services, IPv6-Ready.

6. Item no. 1.7 Firewall Type 2

a) The 1st bullet point:

- Firewall: NAT, PAT, Transparent (Bridge), Routing Mode (RIP v1 & v2, OSPF, BGP, & Multicast), Policy-Based NAT, VLAN Tagging (802.1Q), User Group-Based Authentication, SIP/H.323 NAT Traversal. Minimal Firewall Throughput 1.5 Gbps, Minimum IPSec VPN Throughput 1 Gbps, Total 10/100/1000Mbps interface -min 8.

is deleted and replaced with the following text:

- Firewall: NAT, PAT, Transparent (Bridge), Routing Mode (RIP v1 & v2, OSPF, BGP, & Multicast), Policy-Based NAT, VLAN Tagging (802.1Q), User Group-Based Authentication, SIP/H.323 NAT Traversal. Minimal Firewall Throughput 1.5 Gbps, Minimum IPSec VPN Throughput **0.4 Gbps**, **IPS throughput min. 1Gbps**, Total 10/100/1000Mbps interface - **min 6**.

b) The 4th bullet point:

- Management/Administration Options: Console Interface (RS-232), WebUI (HTTP/HTTPS), Telnet / Secure Command Shell (SSH), Role-Based Administration, Multi-language Support, Multiple Administrators and User Levels, Upgrades and Changes Via TFTP and WebUI, System Software Rollback, Central Management,

The underlined text from the 4th bullet point as specified above is deleted. The 4th bullet point now reads:

- Management/Administration Options: Console Interface (RS-232), WebUI (HTTP/HTTPS), Telnet / Secure Command Shell (SSH), Role-Based Administration, Multiple Administrators and User Levels, Upgrades and Changes Via WebUI, System Software Rollback, Central Management,

c) The last (6th) bullet point:

- OS Features: Advanced Threat Protection, Client Reputation Analysis, Feature Select, Contextual Visibility, Extended Single Sign-On, On-Device Sandbox, Cloud-Based Sandbox, Per-Device Security Policies, Secure Guest Access, Enterprise-class Firewall, VPN - IPSec and SSL, SSL-encrypted Traffic Inspection, Antivirus / Antispyware, Antispam, Intrusion Prevention System (IPS), Data Loss Prevention (DLP), Flow-based Inspection Options, Web Filtering, Application Control, Endpoint Network Access Control (NAC), Vulnerability Management, Monitoring, Logging and Reporting, WAN Optimization, Wireless Controller, VoIP Security, Central Management, Virtual Domains, High Availability, Layer 2/3 Routing Services, IPv6-Ready

The underlined text from the last (6th) bullet point as specified above is deleted. The 6th bullet point now reads:

- OS Features: Advanced Threat Protection, Contextual Visibility, Extended Single Sign-On, Per-Device Security Policies, Secure Guest Access, Enterprise-class Firewall, VPN - IPsec and SSL, SSL-encrypted Traffic Inspection, Antivirus / Antispyware, Antispam, Intrusion Prevention System (IPS), Data Loss Prevention (DLP), Flow-based Inspection Options, Web Filtering, Application Control, Endpoint Network Access Control (NAC), Monitoring, Logging and Reporting, Central Management, Virtual Domains, High Availability, Layer 2/3 Routing Services, IPv6-Ready

7. Item no. 1.9 DDoS Protection Appliance

a) The 1st bullet point:

- System Specs: Storage Min. 400GB SSD, Network interfaces Min. 12x GE RJ45 and or 12x FC, Throughput Min. 6Gbps, Simultaneous Connections Min. 2 Million, Simultaneous Sources Min. 1.9 Million, Session Setup 190 K/sec, Latency <52 Microseconds

is deleted and replaced with the following text:

- System Specs: Storage Min. 400GB SSD **or external log storage** , Network interfaces Min. 10x GE RJ45 and or 12x FC, Throughput Min. 6Gbps, Simultaneous Connections Min. 2 Million, Simultaneous Sources Min. 1.9 Million, Session Setup 190 K/sec, Latency <60 Microseconds

b) The 2nd bullet point:

- Features: Hardware-based Layer 3, 4 and 7 DDoS protection, Behavior-based DDoS protection, IP reputation scoring, Geo-location ACLs, slow attack mitigation, threat evaluation minimizes risk of “false positive” detections.

The underlined text from the 4th bullet point as specified above is deleted. The 2nd bullet point now reads:

- Features: Hardware-based Layer 3, 4 and 7 DDoS protection, Behavior-based DDoS protection, IP reputation scoring, slow attack mitigation, threat evaluation minimizes risk of “false positive” detections.

8. Item no. 1.10 LAN Switch – Central location

a) The 11th bullet point:

- Power supply: Min. 350W

is deleted.

b) The 1st bullet point:

- Ports: Min. 48 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T), 2 auto-sensing 10/100/1000 Base-T or SFP, 2 fixed 1000/10000 SFP+ ports, 1 RJ-45 serial console port, Min. 2 x 10GbE SFP+ ports

is deleted and replaced with the following text:

- Ports: **Min. 48 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T), 4 x 100/1000BASE-X (SFP)**

unpopulated ports, 1 x Serial (console port), 1 x 10/100BASE-T out-of-band management port, 1 x USB port, 2 x 10GbE SFP+, Modul SFP+ 10G populated with 10G multi-mode ports

9. Item no. 1.13 Database Server

The following (2nd, 3rd and 4th) bullet points:

- SQL-92 Standard support
- Database procedural language support
- Procedures, Functions and Packages inside the database

are deleted.

10. Item no. 1.14 Rack and Power Distribution

The 3rd bullet point:

- Remote Monitored over LAN, Vertical

is deleted.

11. Item no. 1.15 Portable (laptops)

The text lines:

- Operation system : Preinstalled operating system
- Memory Min 4 Go
- Internet connection WiFi

are deleted and replaced with the following:

- **Operating system: Preinstalled operating system with the possibility of integration with the existing Windows domain network environment;**
- **Memory Min 4 GB**
- **Wifi included**

12. Annex I to Technical Specifications, Description of the system, is hereby modified as follows:

Article 3.1. SYSTEM INTEGRATION, CONFIGURATION AND PROJECT MANAGEMENT, point 1. 1. Delivery and Installation

The text:

“It is expected from the contractor to deliver all elements of the solution to the location of the Beneficiary. Installation of the hardware and network equipment will be done by the Beneficiary administrators in the Data Center, accordind to defined and accepted project plan.”

is deleted and replaced with the following text:

“It is expected from the contractor to deliver all elements of the solution to the location of the Beneficiary. Installation of the hardware and network equipment will be done by **the contractor** in the Data Center, according to defined and accepted project plan.”

All other terms and conditions of the Tender Dossier remain the same.

NOTE: The revised technical specification in accordance with the modifications listed is attached as Annex to this Corrigendum.