# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title: Purchase of Next Generation Firewall, Core and Distribution Switches** p 1 /…

**Publication reference: PROC/1437/25**

**Columns 1-2 should be completed by the contracting authority**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

LOT 1: NEXT GENERATION FIREWALL SOLUTION

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| --- | --- | --- | --- | --- |
| **Item**  **No** | **Specifications** | **Specifications Offered (incl. brand/model)** | **Notes, remarks, ref to documentation** | **Evaluation Committee’s notes** |
|  | **Hardware Appliances**   * hardware appliances with high availability / clustering * 1 Rack Unit with dual power supplies * Rack-Mountable enclosure with included rails   **Interfaces**  10 Gbit SFP+ ports: minimum 8  1 Gbit RJ 45 ports: minimum 8  RJ 45 or SFP management port: minimum 1  RJ 45 console port: minimum 1  **Performance (measured with NGFW features enabled)**  NGFW / NGIPS throughput: minimum 17 Gbps  Concurrent connections / sessions: minimum 2 Million  New connections per second: minimum 130,000  RAM: minimum 64 GB  **Security Services**  Intusion Prevention and Intrusion Detection  Application Visibility and Control  URL Filtering with cloud lookups and on-box cache  DNS Security / DNS threat intelligence  Policy objects for FQDN, applications, users, URL categories  **VPN and Networking**  Site-to-Site IPsec VPN  Remote Access VPN with Multi Factor Authentication  Microsoft Azure VPN  **Quantity: 2 pieces** |  |  |  |
|  | **Management and Logging VMs**   * Licensed Virtual Machines installed on premise servers (the Contracting Authority has licenses only for Windows Server OS).   **Quantity: 2 pieces** |  |  |  |
|  | **10 GB SFP+ Modules**   * 10 Gb SFP+ SR modules   **Quantity: 8 pieces** |  |  |  |
|  | **Licenses and Subscription**   * IPS, Application Control, URL Filtering, Anti-Malware / Sandboxing, Threat Intelligence / Prevention: 12 months * VPN / Mobile Access license with MFA: minimum 50 users * Centralized management platform with all necessary licenses and software subscription for 12 months * Manufacturer support and updates: 12 months   **Quantity: 12 months** |  |  |  |
|  | **Integration and Training**   * Installation and configuration: included * Integration with Active Directory identity services * Integration with Azure VPN: Site-to-Site and Remote Access * Transfer or create new configuration based on existing firewall rules * Knowledge transfer, documentation and training: minimum 3 days   **Quantity: 1 piece** |  |  |  |

LOT 2: CORE SWITCH

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| --- | --- | --- | --- | --- |
| **Item**  **No** | **Specifications** | **Specifications Offered (incl. brand/model)** | **Notes, remarks, ref to documentation** | **Evaluation Committee’s notes** |
| **1.** | **Modular switch with 2 redundant supervisors and 2 redundant power supplies**  **Hardware appliance**   * 2 x Hot-swappable redundant supervisor / routing engines * 2 x Hot-swappable redundant AC power supplies * Rack-mountable with included rails   **Performance**   * Supervisor / routing engine capacity: minimum 240 Gbps per slot * Forwarding rate: minimum 3 Bpps * Oversubscription ratio 1:1   **Layer 2 / 3 Features**   * VLANs, RSTP, LACP * IPv4 / IPv6 routing: static, OSPF, BGP   **Security Features**  IEEE 802.1AE (MACsec-256) capability in hardware  **Quantity: 1 piece** |  |  |  |
| **2.** | **Line Cards**   * 24-port 10 GbE SFP+ / SFP   Quantity: 2 pieces |  |  |  |
| **3.** | **Modules**   * 10 GB SFP+ SR modules   **Quantity: 12 pieces** |  |  |  |
| **4.** | **Manifacturer Support and Updates**   * 12 months   **Quantity: 12 months** |  |  |  |

LOT 3: DISTRIBUTION SWITCH

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| --- | --- | --- | --- | --- |
| **Item**  **No** | **Specifications** | **Specifications Offered (incl. brand/model)** | **Notes, remarks, ref to documentation** | **Evaluation Committee’s notes** |
| **1.** | Switch with 2 redundant power supplies and 2 fans  Hardware   * Hardware appliance * Rack-mountable with included rails * 2 x redundant AC power supplies * 2 x redundant fans * Slot for network module   **Performance**   * Switching capacity: minimum 1800 Gbps * Forwarding rate: minumum 1400 Mpps   **Layer 2 / 3 Features**   * VLANs, RSTP, LACP * IPv4 / IPv6 routing: static, OSPF, BGP   **Security Features**   * Media Access Control (MAC) Security   Ports   * 25G / 10G / 1G ports: minimum 24 SFP28   **Quantity: 1 piece** |  |  |  |
| **2.** | **Mudules**   * 10 GB SFP+ SR modules   **Quantity: 12 pieces** |  |  |  |
| **3.** | **Manufacturer Support and Updates**  - 12 months  Quantity: 12 months |  |  |  |