



MARKET SCOPING

Please be informed that the Agency is conducting market scoping for budget preparation purposes only regarding the server and network device/accessories – access point. Submit your proposal to the following email addresses not later than July 25, 2025:

dojppa.marketscoping@gmail.com

ppacobacsecretariat@gmail.com

The proposal should be placed in an official company letterhead and duly signed by you or your authorized representative.

Please address your proposal to

Bids and Awards Committee
Parole and Probation Administration
Central Office
DOJ Agencies Bldg. NIA Road cor. East Ave.
Quezon City

Attached is the technical specifications of the renewal of Endpoint Antivirus Security.



TECHNICAL DATA SERVER AND NETWORK DEVICES/ACCESSORIES

Rationale:

The server to be procured will serve as a proxy server. The proxy server is an intermediary between a user's device and the internet. It plays an important role in improving security, privacy, and performance. The proxy server is important due to the following reasons:

1. Privacy Protection

- Hides the Agency's IP address, making the Agency's online actions harder to trace
- Prevents websites from directly identifying the Agency's device or location

2. Enhanced Security

- Acts as a buffer between the Agency's device and potentially harmful content
- Can block access to malicious websites or filter harmful traffic
- Helps prevent cyberattacks like DDoS by masking internal network details.

3. Access Control and Monitoring

- Used in office operations to control internet usage
- Enables administrator to monitor user activity or restrict access to certain websites

4. Improved Performance

- Can cache frequently visited websites, leading to faster load times
- Reduces bandwidth usage by serving cached content to multiple users.

5. Bypassing Geo-Restrictions

- Allows users to access content that is restricted in certain regions (e.g., streaming services, websites blocked in certain countries)
- Useful for field officers needing access to uncensored information

6. Corporate Network Management

- Centralizes internet access control
- Ensures that employees follow internet usage policies
- Helps in logging and auditing for compliance purposes.

In summary,

Benefits	Description
Privacy	Hides user identity and location
Security	Protects against threats and blocks malicious content
Control	Restricts and monitors internet usage
Performance	Improves speed via caching
Access	Bypasses filters and geographic restrictions

On the other hand, the access point as part of the network devices/accessories is a crucial component in wireless networking. It acts as a bridge between wired and wireless networks, allowing wireless devices to connect to a local area network (LAN). Its importance are as follows:

1. Enables Wireless Connectivity

- Allows Wi-Fi-enabled devices (laptops, smartphones, tablets, etc.) to connect to the network without cables
- Essential in offices for wireless internet access

2. Extends Network Coverage

- Increases the range of wireless networks by allowing multiple Aps to cover large areas
- Useful in multiple-floor buildings

3. Improves Network Performance

- Reduces congestion by distributing devices across multiple Aps
- Helps maintain stronger and more stable connections in high-traffic areas

4. Provide Secure Access

- Supports network security features like WPA3 encryption, firewalls, and access control
- Allows segmentation of user groups, e.g., guest Wi-Fi vs internal network

5. Supports More Users

- Designed to handle many simultaneous connections
- Critical for office events with high user density

6. Centralized Management

- Can be managed via controllers, simplifying updates, monitoring, and security
- Enables load balancing, device tracking, and troubleshooting

In capsule,

Benefits	Description
Wireless Connectivity	Connects devices without cables
Coverage Extension	Expands Wi-Fi range
Performance Boost	Handles more users efficiently
Secure Networking	Offers encryption and access control
Scalability	Supports network growth with multiple APs
Centralized Control	Easier management in large or enterprise network

Technical Specifications:

Particulars	Specifications
Server - Branded and complies with the following minimum requirements:	
Quantity:	1
Processor	2x physical processor 3 rd generation or better with at least 2.6GHz, up to 4.1GHz 8 cores, 16 threads, 22MB cache
Memory	2x 32GB DDR5 RDIMM
Drive Cages	10 SFF Bays, 4 LFF Bays
System Disk	At least 3x 960GB SATA SSD 2.5"
Raid Controller	Standard PCIe
Network	1x Onboard 1Gbps Management Network Port or 2x Onboard OCP 3.0 Slots for 4GE or 2x 10GE or 2x 25GE or 2x 100GE Network Interface Cards, or PCIe Standard Slots for 1/20/25/100GE Ethernet Adapter
Ports	Standard: 2 VGA Port, 2 USB 3.0 Rear Ports, 2 USB 2.0 Ports, 1 Type-C Port
Security	Chassis Intrusion Detection, TPM2.0, Silicon Root of Trust, 2FA for HDM
Power Supply	Redundancy Power Supply
Bidder's Qualification	Bidder must be a manufacturer-authorized reseller of the solution being offered Bidder must be employed with at least two certified (2) technical engineers of the proposed solution
Warranty	Three (3) years on parts, labor and services with On-Site Support
Delivery Period:	Within 60 days upon receipt of Notice to Proceed (NTP)
Services	Install a software and configure the server as a reverse proxy server for HTTP and other network protocols. Software must be a lightweight, reliable, high—performance and of exceptional quality
	Bidder must provide a security protocol that provides encryption and authentication for internet communications across to all existing information systems of the agency

Particulars	Specifications
Services: (cont.)	<p>Bidder must replace batteries of existing degraded batteries of UPS deployed in the agency with specifications below:</p> <p>Existing 4x 3KVA UPS: Quantity: 24 Battery Specifications: 12v, 9Ah Valve Regulated Lead-Acid Battery Warranty: Three (3) Years</p> <p>Existing 4x 1KVA UPS: Quantity: 4 Battery Specifications: 12v, 7Ah Valve Regulated Lead-Acid Battery Warranty: Three (3) Years</p>

Particulars	Specifications
Network Device/Accessories - Access Point - Branded and complies with the following minimum requirements:	
Quantity:	6
Interface:	2x Gigabit Ethernet (RJ-45) Port (One port must support IEEE802.3af/at PoE and Passive PoE)
Wireless Client Capacity:	500+
Frequency:	2.4GHz and 5GHz
Signal Rate:	At least 5GHz: Up to 1300 Mbps At least 2.4GHz: Up to 450 Mbps
Wireless Functions:	Multiple SSIDs Enable/Disable Wireless Radio Automatic Channel Assignment Load Balance Rate Limit Reboot Schedule
Wireless Security:	Access Control Wireless MAC Address Filtering Wireless Isolation Between Clients SSID to VLAN Mapping Rogue AP Detection
Centralized Management:	Proprietary Software and Hardware Controller
Email Alerts:	Yes
LED ON/OFF Control:	Yes
Management MAC Access Control:	Yes
System Logging:	Local/ Remote Syslog
SSH:	Yes
Web-Based Management:	HTTP/HTTPS
L3 Management:	Yes
Multi-Site Management:	Yes
Management VLAN:	Yes
Certification:	CE, FCC, RoHS

Particulars	Specifications
Services:	Must be configured and compatible with the existing access point controller
	Must be deployed and mounted at the different divisions of the Central Office
	Provisioning of necessary materials and hardware, if applicable, such as PoE Switch, Cables, RJ45, and etc. shall be shouldered by the bidder without additional cost
Warranty:	Three (3) years on parts, labor and services with On-Site Support
Delivery Period:	Within 60 days upon receipt of Notice to Proceed (NTP)