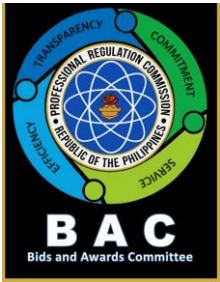




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No	Item	Specification	Statement of Compliance
		PROCUREMENT OF SIX (6) FIREWALL APPLIANCE UNITS FOR REGIONAL OFFICES FOR THE CONDUCT OF COMPUTER-BASED LICENSURE EXAMINATIONS (CBLE)	
1 LOT	6 Units	1. Hardware Features Hardware Specifications <ul style="list-style-type: none">- Form Factor : 1U Rackmount- Processor : x86 AMD CPU- CPU Memory: 8 GB (2400) DDR4- Xstream Flow Processor (NPU): Marvell NPU- Memory : 4 GB DDR4- Storage : 1x min. 120 GB SATA-III- Ports : 8x GE Copper (w/ 1pair fixed bypass ports), 2x SFP GE Fiber- I/O Ports : 1x COM RJ45, 2x USB 3.0 / 1x USB 2.0 / 1x RJ45 MGMT / , 1x Micro USB (cable included) / w/ 1x expansion bay- Display : Multi-function LCD display- Power Supply : Internal auto-ranging DC 100-240VAC, 3-6A@50-60 Hz w/ (External Redundant PSU Option)- Product Certifications (Safety, EMC): CB, CE, UL, FCC, ISED, VCCI, CCC*, KC, BSMI*, RCM, NOM, Anatel* Max. Power-over-Ethernet (using Flexi Port module) <ul style="list-style-type: none">- 1 module: 4 ports, 60w max. Security Performance <ul style="list-style-type: none">- Firewall Throughput : 30,000 Mbps- IPS throughput : 5,800 Mbps- Threat Protection throughput : 1,250 Mbps- Concurrent connections : 6,500,000- New connections/sec : 134,700- Maximum licensed users : unrestricted 2. Base Firewall Features General Management <ul style="list-style-type: none">- Purpose-built, streamlined user interface and firewall rule management for large rule	



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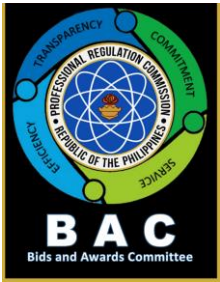
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		<p>sets with grouping with at-a-glance rule feature and enforcement indicators</p> <ul style="list-style-type: none">- Two-factor authentication (One-time-password) support for administrator access, user portal, IPsec and SSL VPN- Advanced trouble-shooting tools in GUI (e.g. Packet Capture)- High Availability (HA) support clustering two devices in active-active or active-passive mode with plug-and-play Quick HA setup- HA support in AWS using the AWS Transit Gateway- Full command-line-interface (CLI) accessible from GUI- Role-based administration- Automated firmware update notification with easy automated update process and roll-back features- Reusable system object definitions for networks, services, hosts, time periods, users and groups, clients and servers- Self-service user portal- Configuration change tracking- Flexible device access control for services by zones- Email or SNMP trap notification options- SNMPv3 and Netflow support- Central management support via Cloud-based Unified Console- Automatic Email Notifications for any important event- Backup and restore configurations: locally, via FTP or email; on-demand, daily, weekly or monthly- API for 3rd party integration- Interface renaming- Cloud-based license management via Licensing Portal <p>Central Firewall Management</p> <ul style="list-style-type: none">- Cloud-based management and reporting for multiple firewalls- Group policy management allows objects, settings, and policies to be modified once and automatically synchronized to all firewalls in the group- Task Manager provides a full historical audit trail and status monitoring of group policy changes	
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		<ul style="list-style-type: none">- Backup firmware management which stores the last five configuration backup files for each firewall with one that can be pinned for permanent storage and easy access- Firmware updates which offer one-click firmware updates to be applied to any device- Group firewall management via the Partner Dashboard- Firmware update scheduling- Multi-firewall reporting across firewall groups <p>Firewall, Networking & Routing</p> <ul style="list-style-type: none">- Stateful deep packet inspection firewall- Packet processing architecture that provides extreme levels of visibility, protection, and performance through stream-based packet processing- TLS inspection with high performance, support for TLS 1.3 with no downgrading, port agnostic, enterprise-grade policies, unique dashboard visibility, and compatibility troubleshooting- DPI Engine that provides stream scanning protection for IPS, AV, Web, App Control, and TLS Inspection in a single high-performance engine- Accelerates SaaS, SD-WAN, and cloud traffic such as VoIP, video, and other trusted applications via FastPath through the new Xstream Flow Processors.- Network Flow FastPath delivers policy-driven and intelligent acceleration of trusted traffic automatically- Improved FastPath support for active-passive pairs- Pre-packaged exception list- Covers all ports/protocols- Supports all modern cypher suites- User, group, time, or network based policies- Access time policies per user/group- Enforce policy across zones, networks, or by service type- Zone-based firewall- Default zones for LAN, WAN, DMZ, LOCAL, VPN and WiFi	
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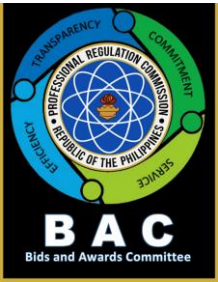
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		<ul style="list-style-type: none">- Full VLAN support- Zone and VLAN isolation and zone-based policy support.- Micro-segmentation and auto-isolation via Synchronized Security- Custom zones on LAN or DMZ- Customizable NAT policies with IP masquerading and full object support to redirect or forward multiple services in a single rule with a convenient NAT rule wizard to quickly and easily create complex NAT rules in just a few clicks- Flood protection: DoS, DDoS and portscan blocking- Country blocking by geo-IP- Advanced Routing: static, multicast (PIM-SM), and dynamic (RIP, BGP, OSPF) with full 802.1Q VLAN support- Upstream proxy support- Protocol independent multicast routing with IGMP snooping- Bridging with STP support and ARP broadcast forwarding- VLAN DHCP support and tagging- VLAN bridge support- Jumbo Frame Support- SD-WAN link balancing: multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing, and granular multipath rules- Wireless WAN support (n/a in virtual deployments)- 802.3ad interface link aggregation- Full configuration of DNS, DHCP and NTP <p>SD-WAN</p> <ul style="list-style-type: none">- Support for multiple WAN link options including VDSL, DSL, cable, and 3G/4G/LTE cellular with essential monitoring, balancing, failover and fail-back- Application path selection and routing, which is used to ensure quality and minimize latency for mission-critical applications such as VoIP- Synchronized SD-WAN, a Synchronized Security feature which leverages the added clarity and reliability of application identification that comes with the sharing of Synchronized Application Control	
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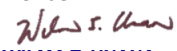
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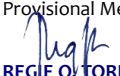
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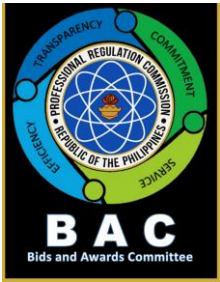
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		<p>information between managed endpoints and Firewall</p> <ul style="list-style-type: none">- Synchronized SD-WAN application routing over preferred links via firewall rules or policy-based routing- Robust VPN support including IPSec and SSL VPN- Centralized VPN orchestration <p>User Self-Serve Portal</p> <ul style="list-style-type: none">- Download SSL remote access client (Windows) and configuration files (other OS)- Hotspot access information- Change user name and password- View personal internet usage- Access quarantined messages and manage user-based block/allow sender lists (requires Email Protection) <p>Base VPN Options</p> <ul style="list-style-type: none">- IPSec and SSL VPN tunnels- Wizard-based orchestration- Site-to-site VPN: SSL, IPSec, 256- bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key- Remote Ethernet Device (RED) site-to-site VPN tunnel (robust and light-weight)- L2TP and PPTP- Route-based VPN- Remote access: SSL, IPsec, iPhone/iPad/ Cisco/Andriod VPN client support- IKEv2 Support- SSL client for Windows and configuration download via user portal- Enforcement of TLS 1.2 for SSL site-to-site and remote access VPN tunnels <p>3. Network Protection Subscription</p> <ul style="list-style-type: none">- Intrusion Prevention (IPS)- ATP and Security Heartbeat- SD-Remote Ethernet Device Management- Clientless VPN <p>4. Web Protection Subscription</p> <ul style="list-style-type: none">- Web Protection and Control- Application Protection and Control- Web & App Traffic Shaping <p>5. Zero-Day Protection Subscription</p> <ul style="list-style-type: none">- Dynamic Sandbox Analysis	
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		- Threat Intelligence Analysis	
		6. Reporting	
		- Central Firewall Reporting	

ADDITIONAL REQUIREMENTS AND SCOPE OF WORK:

1. SCOPE OF WORK:

Supply, Delivery and Configuration of 6 units Firewall
(*must be compatible to existing firewall of PRC Central Office)

2. LOCAL ONSITE SUPPORT

1 yr. Limited Onsite Technical Support – 8x5 Onsite Assistance with 4 hrs. Response time
during Regular Business Hours (Monday to Friday excluding Holidays, 9AM to 6PM).

3. CERTIFICATIONS

Supplier must have at least 3 Manufacturer Certified Engineers
Supplier must have at least 1 Certified Architect
Supplier must have Certification from the Manufacturer as Silver Partner of the Product being offered
Supplier must have Certification from the Manufacturer as Synchronized Security Partner.

DELIVERY:

45 calendar days upon receipt of contract

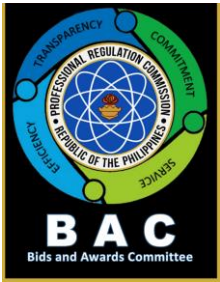
Section VII. Technical Specifications

1. Compliance with the statements must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate.
2. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection.
3. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1 (a) (ii) and/or **GCC** Clause 2.1 (a) (ii).

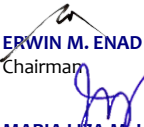




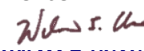
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SIGNATURE OVER PRINTED NAME
OF AUTHORIZED REPRESENTATIVE,
DESIGNATION AND PRINTED NAME OF COMPANY