

Republic of the Philippines  
Department of the Interior and Local Government  
**NATIONAL POLICE COMMISSION**  
Makati City

**RESOLUTION NO.** 2013-320

**APPROVING THE MINIMUM STANDARD IN THE  
SPECIFICATIONS FOR NETWORK SWITCH**

**WHEREAS**, Section 14, paragraphs (i) and (m) of Republic Act No. 6975 as amended by Section 5, paragraph (a), sub-paragraphs (5) and (8) of Republic Act No. 8551, empowers the Commission to “approve or modify plans and programs on education and training, logistical requirements, communications, records, information system, crime laboratory, crime prevention and crime reporting as well as prescribe minimum standards for arms, equipment and uniforms and, after consultation with the Philippine Heraldry Commission, for insignia of ranks, awards and medals of honor;”

**WHEREAS**, pursuant to the aforecited legal prescription, the PNP, through its Uniform and Equipment Standardization Board (UESB) Resolution No. 2011-38 dated August 11, 2011, has recommended to the Commission the approval of the Proposed Standard Specifications for Network Switch;

**WHEREAS**, the Network Switch is a computer network device that joins multiple computers together within one local area network (LAN);

**WHEREAS**, the proposed standard specifications of the Network Switch device/appliance are in accordance with existing IT industry standards;

**WHEREAS**, the proposed Standard Specifications for Network Switch allow all available commercial brand of products to participate in the procurement process by the PNP thereof;

**WHEREAS**, the PNP-UESB has certified that the proposed standard specifications are not tailor-fitted to any single particular brand or product;

**WHEREAS**, the proposed Standard Specifications for Network Switch are in order, in conformity with the requirements of Republic Act No. 6975, as amended by Republic Act No. 8551 and its Implementing Rules and Regulations (IRR), all existing policies and issuances of the Commission and meet the requirements of the PNP;

**NOW, THEREFORE**, the Commission, in the exercise of its statutory power to administer and control the PNP, **HAS RESOLVED, AS IT HEREBY RESOLVES** to approve the Standard Specifications for Network Switch, to read as follows:

**I. DESCRIPTION:**

Network Switch Device

## 2. FUNCTION:

Network Switch is a computer network device that joins multiple computers together within one local area network (LAN).

A networking switch is the central device in a wired or Local Area Network (LAN). It receives signals from each computer on the network via cables in a wired network or radio waves in a wireless network, and directs traffic across the LAN, enabling the computers to connect to each other and share resources.

## 3. SPECIFICATIONS:

FEATURES	SPECIFICATIONS
1. Category	Branded and Latest Model
2. Form Type	Rack-mountable or other form types
3. Standard	IEEE 802.3 Type - 10 Base-T IEEE 802.3u Type - 100 Base-TX IEEE 802.3ab Type 1000 Base-T IEEE 802.3x Flow Control or latest standard protocol and features
4. Protocol Support	IPv4 and IPv6 Support or better
5. Number of Ports	Minimum of 8 auto-sensing and auto-switching ports or higher; and 4 dual-personality ports for 10/100/1000 or mini-GBIC connectivity or better (Optional)
6. Memory, Processor and Storage	Processor speed: 1GHz or better (Optional for small-scale type switch) Memory: 512 MB or higher (Optional for small-scale type switch); and Storage: 250 GB Sata or higher (optional for some standard switches)
7. Management Features	Management Software -- Web-based and /or Client-based (Optional for unmanaged switch)
8. IP Telephony	VoIP Protocol: H.323, SIP or better (optional)
9. Power Over Ethernet (POE)	PoE Support (optional)
10. Power Requirements	110 - 240 AC (Auto-volt)
11. Service	Installation setup Connection/cascade with existing switches, if available
12. Accessories	Software Driver and Manual Power Cable Fiber Patch Cord (Optional)
13. Warranty	At least 3 Year Service Warranty to include software/system update, and on-site support
14. Training	At least 5 Persons
15. Condition	Must Pass the PNP Test and Evaluation

