

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

RESOLUTION No. 2009-699

APPROVING THE STANDARD SPECIFICATIONS FOR
LOCAL AREA NETWORK (LAN) CABLING

WHEREAS, Section 14 paragraphs (a), sub-paragraphs (5) and (8), of Republic Act 6975 as amended by Section 5 of Republic Act 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, in pursuance of the aforesaid legal prescription, the PNP, through its Uniform and Equipment Standardization Board (UESB) Resolution No. 2009-124 dated 28 September 2009, has favorably submitted and indorsed the standard specifications of the Local Area Network (LAN) Cabling for consideration of the Commission;

WHEREAS, there is a need for LAN Cabling specifications as basis to form a working group or network using materials that are of standard basis set by the Institute of Electrical and Electronics Engineers (IEEE) and therefore will not favor any particular brand or supplier;

WHEREAS, after thorough review and evaluation, the proposed standard specifications for LAN Cabling, are in order and conforms with the requirements of Republic Act No. 6975, as amended by Republic Act No. 8551 and its Implementing Rules and Regulations (IRR), and all existing policies and issuances of the Commission to meet the requirements of the PNP;

NOW THEREFORE, the Commission in the exercise of its statutory powers to administer and control the PNP, **HAS RESOLVED AS IT HEREBY RESOLVES** to approve the standard specifications for Local Area Network (LAN) Cabling, to read as follows:

I. SPECIFICATIONS

Protocol	: Ethernet Protocol (802.3 family)
	: 10Mbps - 10Base-T Ethernet (IEEE 802.3);
	: 100Mbps - 10/100Base-TX Fast Ethernet (IEEE 802.3u);
	: 1000Mbps-10/100/1000Base-T/TX Gigabit Ethernet (IEEE 802.3z);
	: 10-Gigabit-10GBase-R Ethernet (IEEE 802.3ae); or
	: Latest network cabling
Standard Cable Type	: Cat 5, Cat 5e or Cat 6: for 10Mbps - Base-T (802.3) or for 100Mbps - Fast Ethernet (802.3u);
	: Cat 6: for Gigabit Ethernet (802.3z);
	: Optical Fiber Optics: for 10-Gigabit - 10GBase-R (802.3ae);
	: Cat 6e or latest: for 10 Gigabit - 10GBase-T (802.3bz);


- Nodes : Minimum of 3 nodes (3 workstations or servers connectivity)
- Network Switch/Hub : Network Switch/Hub - Optional
- Rack/Wiring Closet : Installation of network switches, hubs racks and/or wiring closet (optional)
- Backbone Network : Installation of Optical Fiber Optics as backbone to interconnect switches/hubs (optional)
- Cabling Service Requirements : Cabling layout design
- : Minor office/room civil works for cable layout
- : Modular jack per node (connection terminal)
- : Patch cords to connect workstations to modular jacks
- : Testing and implementation

II. **WARRANTY**



One (1) year warranty on parts and services

III. **Must pass the PNP functional test and evaluation**

APPROVED, this 28th day of DECEMBER 2009, at Makati City.


RONALDO V. PUNO
Chairman, NAPOLCOM


EDUARDO U. ESCUETA
Commissioner
Vice Chairman and Executive Officer



LUIS MARIO M. GENERAL
Commissioner


JESUS A. VERZOSA
Commissioner

Attested by:


LOURDES W. ANICETO
Acting Deputy Executive Officer