



Republic of the Philippines
 NATIONAL POLICE COMMISSION
NATIONAL HEADQUARTERS, PHILIPPINE NATIONAL POLICE
OFFICE OF THE CHIEF, PNP
 Camp BGen Rafael T Crame, Quezon City

DEC 03 2020

MEMORANDUM CIRCULAR

NO.: 2020-086

**PRESCRIBING THE MINIMUM TECHNICAL SPECIFICATIONS
 FOR DESKTOP COMPUTER**

1. REFERENCES:

- a. NAPOLCOM Memorandum Circular (MC) No. 2019-002: "Defining the Duty and Authority of the NAPOLCOM to Prescribe Minimum Standards for Uniforms, Arms, and Equipment to be Procured by the Philippine National Police (PNP)" dated January 29, 2019;
- b. NAPOLCOM Resolution No. 2020-0762: "Prescribing the Minimum Standards for Desktop Computer" dated September 11, 2020;
- c. NAPOLCOM Resolution No. 2015-055: "Amending NAPOLCOM Resolution No. 2009-630 by Prescribing the New Standard in the Specifications for Personal Computer" dated March 10, 2015; and
- d. PNP UESB Resolution No. 2020-030: "Approving the Proposed Technical Specifications for Desktop Computer" dated October 29, 2020.

2. RATIONALE:

This MC sets forth the technical specifications for Desktop Computer to be used by PNP personnel in their office works.

3. SITUATION:

One of the indispensable inventions of the past century is the computer. Its use ranges from simple office applications to complex processes such as data processing and analysis and control of other equipment. The desktop type that is one of the essential Information Technology (IT) equipment in the PNP has been of great help to the organization. In fact, there are processes or activities such as sketching of suspects, fingerprint matching, and ballistic examination wherein computers are being used due to its unlimited capability and fast processing speed.

Further, the continuous development of software and applications had greatly increased the services that the computer can offer to any organization. Hence, the PNP through the Directorate for Logistics recognized the need to amend the existing standard specifications for Personal Computer under NAPOLCOM Resolution No. 2015-055.

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4. PURPOSE:

To provide and establish the technical specifications for Desktop Computer that will serve as reference in the procurement of said equipment.

5. DEFINITION OF TERMS:

- a. Bluetooth – refers to a low-power wireless networking technology operating in the 2.4 GHz unlicensed Industrial, Scientific and Medical (ISM) band. There are two classes of Bluetooth device — Class 1 devices have higher output power and a range of about 100 meters, and Class 2 devices have lower power and a range of about 10 meters.
- b. Central Processing Unit (CPU) -- refers to the component of a computer system that controls the interpretation and execution of instructions. The term “processor” is often used to refer to a CPU.
- c. Connectivity – refers to a generic term for connecting devices to each other in order to transfer data back and forth. It often refers to network connections, which embrace bridges, routers, switches and gateways as well as backbone networks. It may also refer to connecting a home or office to the Internet or connecting a digital camera to a computer or printer.
- d. Expansion Slot – refers to a physical electronic interface provided in a computer system to enable extra facilities to be added easily at a later date.
- e. Hard Disk – refers to the primary storage medium made of one or more aluminum or glass platters, coated with a ferromagnetic material.
- f. Memory – refers to any device or recording medium into which binary data can be stored and held, and from which the entire original data can be retrieved.
- g. Software – refers to programs, procedures, rules, and any associated documentation pertaining to the operation of a system.
- h. Video controller – refers to a device that generates, routes, mixes or manages video.

6. GUIDELINES:

a. General Guidelines:

1) Description

The Desktop Computer is a personal computing device designed to fit on top of a typical office desk. It houses the physical hardware that

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makes a computer run and connects to input devices such as the monitor, keyboard, and mouse. It is capable of the following:

- a) Install and process different programs/applications;
- b) Create, edit, store, and view or read documents/file using appropriate software program or application;
- c) Can connect to internet through wired or wireless using web browser or installed applications;
- d) Transfer files to/from an external storage device directly, with the use of a cable or through wireless connection; and
- e) Can record, play, and store a low to high resolution voice and video files in various format.

2) Technical Specifications

- a) Form Type : Manufacturer's standard
- b) Processor : 8-core, 3.0 GHz
- c) Memory : 16 GB
- d) Monitor : 22-inch screen size, LED
- e) Keyboard/Mouse : USB keyboard and USB optical mouse
- f) Software : Latest licensed Operating System
Latest licensed Anti-Virus Software
Latest licensed Office Application
- g) Hard Disk : 2 TB
- h) Networking (Connectivity) : On-board Gigabit Ethernet controller
WiFi 802.11ac/ax
Bluetooth 4.2 or latest technology
- i) Video Controller (Graphics) : Video card 4 GB
- j) Sound Controller : Sound card or on-board sound controller with speaker
- k) Ports/Interfaces/
Standard I/O Ports : At least 4 USB ports
VGA, DVI or HDMI
DVD-R/W or latest optical drive

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- Mic/Headphone combination or separate port : Minimum of 500 Watts
- l) Power Supply Wattage
 - 3) Accessories
 - a) 2 TB External Drive;
 - b) WiFi adaptor;
 - c) CD installer/driver; and
 - d) Manual.
 - 4) Other Peripherals
 - a) 650 VA Uninterruptible Power Supply (UPS); and
 - b) 720p Web Camera.


7. REPEALING CLAUSE:

All other technical specifications contrary to or inconsistent with the provisions of this PNP MC are hereby rescinded, modified or amended.

8. EFFECTIVITY:

This MC shall take effect after 15 days from filing a copy thereof at the UP Law Center in consonance with Section 3, Chapter 2, Book VII of Executive Order 292 otherwise known as the "Revised Administrative Code of 1987," as amended.




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