



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

**MEMORANDUM CIRCULAR**  
NO.: 2021-002

09 JAN 2021

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

**1. REFERENCES:**

- a. NAPOLCOM Memorandum Circular (MC) No. 2019-002 entitled, "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" dated January 29, 2019;
- b. NAPOLCOM Resolution No. 2020-0764 entitled, "Prescribing the Minimum Standards for Mobile Device" dated September 11, 2020;
- c. NAPOLCOM Resolution No. 2015-058 entitled, "Prescribing the Minimum Standards in the Specifications for Tablet Computer" dated March 10, 2015; and
- d. UESB Resolution No. 2020-036 entitled, "Approving the Proposed Minimum Technical Specifications for Tablet Computer" dated November 24, 2020.

**2. RATIONALE:**

This MC sets forth the technical specifications for Tablet Computer to be used by PNP personnel other than their personal smartphones during office or field works.

**3. SITUATION:**

The Philippine National Police is bracing for a digital transformation to keep up with the demands of the "New Normal" situation amid the COVID-19 pandemic.

Gatherings, meetings, and other activities involving a number of persons are either restricted or limited. Physical distancing became mandatory, virtual activities/transactions and cashless/online payments are now preferred.

Companies, organizations, and government agencies like the PNP has to adapt to the current situation that demands for ICT equipment with specifications, features and operating system that meet the requirements of the applications to be installed.

MARY GRACE B NASDOMAN  
POLICE LIEUTENANT COLONEL  
Asst. Chief, PPPD

CERTIFIED PHOTO COPY  
FROM THE ORIGINAL

Tablet Computer is considered as an essential device nowadays due to its portability and the various services it can offer its users such as but not limited to voice and data communications, internet access and applications/programs that make life easier especially in this fast-paced time.

In line with the Digital Transformation Program, the Directorate for Logistics realized the need to update the existing standard specifications for Tablet Computer under NAPOLCOM Resolution No. 2015-058 through their memorandum dated May 11, 2020. The updated specifications have to be aligned with the NAPOLCOM approved standards and will be the basis in the future procurement of this device.

#### 4. PURPOSE:

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

#### 5. DEFINITION OF TERMS:

- a. Neural-Network Processing Unit (NPU) – refers to a specialized circuit that implements all the necessary control and arithmetic logic necessary to execute machine learning algorithms.
- b. Graphics Processing Unit (GPU) - refers to a specialized, electronic circuit designed to rapidly manipulate and alter memory to accelerate the creation of images in a frame buffer intended for output to a display device.
- c. 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.
- d. Random Access Memory (RAM) – refers to the main memory in a computer, smartphone or tablet. It is a temporary workspace where instructions are executed and data are processed.
- e. Wireless Local-Area Network (WLAN) – refers to a LAN communication technology in which radio, microwave or infrared links take the place of physical cables.
- f. WIFI Hotspot - refers to an area with wireless Internet access.
- g. 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.
- h. Universal Serial Bus (USB) – refers to a standard for connection sockets on computers and other electronic equipment.

CERTIFIED PHOTO COPY  
FROM THE ORIGINAL

MARY GRACE B NASDOMAN  
POLICE LIEUTENANT (COLONEL)  
Asst. Chief, PPPD

- i. Global Positioning System (GPS) - refers to a United States (US) satellite system that allows those on the ground, on the water or in the air determine their position with extreme accuracy using GPS receivers.
- j. Operating System – refers to a software that, after being loaded into the computer by an initial boot program, manages a computer's resources, controlling the flow of information into and from a main processor. It performs complex tasks, such as memory management, control of displays and other input/output peripheral devices, networking and file management, and other resource allocation functions between software and system components.
- k. Tablet Computer – refers to a general-purpose computer contained in a touchscreen panel.

**6. GUIDELINES:**

**a. SPECIFICATIONS:**

1) Description

Tablet Computer is a type of mobile device known as personal digital assistants (PDAs) equipped with a touchscreen interface with color display. This portable voice and data communications equipment with sufficient processing power, internal memory, and storage intends to perform various functions/applications as follows:

- a) Voice and data communications;
- b) Install and process different applications;
- c) Can connect to internet through WiFi, 3G, 4G or latest 3GPP releases using web browser or installed applications;
- d) Create, edit, store and view documents/files in various formats;
- e) Can record, play and store voice and video files from low to high resolution in various formats; and
- f) Can capture, edit and store images from low to high resolution in various formats.

2) Technical Specifications

- a) Operating System (OS) : Latest tablet OS
- b) Processor
  - (1) CPU
    - (a) No. of cores : Octa-core or higher
    - (b) Speed : 1.7 GHz or higher
  - (2) Latest appropriate Graphics Processing Unit (GPU)
  - (3) Latest appropriate Neural-network Processing Unit (NPU)

MARY GRACE B NASDOMAN  
 POLICE LIEUTENANT COLONEL  
 Asst. Chief, PEPD

CERTIFIED PHOTO COPY  
 FROM THE ORIGINAL

- c) Memory
  - (1) RAM : 6 GB
  - (2) ROM : 128 GB
- d) Network : 3G, 4G LTE, 5G Capable
- e) Interfaces/Connectivity
  - (1) WLAN : 802.11ac/ax
  - (2) WiFi hotspot or direct
  - (3) Bluetooth v5.0
  - (4) USB 3.1
- f) Camera Video Recording : 1080p (1920 x 1080)
- g) Display
  - (1) Size : 10.5 inch (267.2 mm)
  - (2) Technology : LCD or latest technology
  - (3) Color : 16M
  - (4) Multi-touch capable
  - (5) Resolution : 2048 x 1080
- h) Video Format : MP4
- i) Audio Format : MP3, AAC
- j) Camera
  - (1) Rear : 12 MP with autofocus
  - (2) Front : 7 MP
- k) Battery : Lithium Ion/Polymer or latest battery type/ composition (Battery Life: 12 hours minimum)
- l) Location : Built-in GPS
- m) Sensors : Accelerometer, Face ID or Fingerprint Sensor, Gyro Sensor, Light Sensor

- 3) Accessories
  - a) Earphone
  - b) Fast Charger
  - c) USB cable
  - d) Owner's CD/ Manual
  - e) Protective Casing
  - f) Appropriate OTG USB Flash Drive (at least 1TB)
  - g) Appropriate Stylus Pen
- 4) Warranty
  - At least 2 years warranty

**7. REPEALING CLAUSE:**

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


MARY GRACE B NASDOMAN  
 POLICE LIEUTENANT COLONEL  
 Assn. Chief, PPPD

CERTIFIED PHOTO COPY  
 FROM THE ORIGINAL

**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.



  
**DEBOLD M SINAS**  
Police General  
Chief, PNP

Distribution:  
IG, IAS  
D-Staff  
P-Staff  
D, NSUs  
RD, PROs

CPNP Ltrs 20 S084141



S084141

Copy furnished:  
Command Group  
SPA to SILG

  
**MARY GRACE B MASDOMAN**  
POLICE LIEUTENANT COLONEL  
Asst. Chief, PPPD

CERTIFIED PHOTO COPY  
FROM THE ORIGINAL.