

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

RESOLUTION No. 2015-424

**PRESCRIBING THE STANDARD SPECIFICATIONS FOR  
DIGITAL HANDHELD RADIO TRANSCEIVER**

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 Uniform and Equipment Standardization Board (UESB) Resolution No. 2014-072, has recommended to the Commission for approval the Proposed Minimum Specifications for **Digital Handheld Radio Transceiver**;

WHEREAS, the Commission has determined that the item description “**Compatibility**” requirement is removed since the digital radio transceiver system is not compatible with the existing Motorola SmartNet II repeater and analog system but can be interoperable using integrator or gateway;

WHEREAS, the Commission has furthermore determined that the requirement for **Warranty, Trainings and other requirements** be removed since these are not considered specification per se but should rather be appropriately referred to in the Terms and Conditions during the procurement thereof;

WHEREAS, the Standard Specifications for **Digital Handheld Radio Transceiver** is not a tailored-fit specifications to any commercial brand of product and will enable participation by all interested manufacturers/suppliers in the market;

WHEREAS, after thorough review and evaluation, the Standard Specifications for **Digital Handheld Radio Transceiver**, is found in order to conform 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 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 adopt and prescribe the Standard Specifications for **Digital Handheld Radio Transceiver**, to read as follows:

**I. GENERAL**

- |                            |  |
|----------------------------|--|
| A. Keypad                  | Full Keypad (Alpha-Numeric)            |
| B. Channel/Mode Capability | 16 Talkgroups Channel Assignment, min. |
| C. Data Speed              | 9.6 Kbps, min.                         |

**II. TRANSMITTER**

- |                        |                       |
|------------------------|-----------------------|
| A. Frequency Range     | 806-824 MHz           |
| B. RF Output Power     | 1 watt, min.          |
| C. Channel Spacing     | Narrowband Compliant  |
| D. Frequency Stability | $\pm 0.0002\%$ , max. |

**III. RECEIVER**

- |                        |                       |
|------------------------|-----------------------|
| A. Frequency Range     | 851-870 MHz           |
| B. Channel Spacing     | Narrowband Compliant  |
| C. Frequency Stability | $\pm 0.0002\%$ , max. |
| D. Sensitivity         | 0.25microvolt, max.   |

**IV. FEATURES**

- A. Multi-Site Capability
- B. Gold-Plated Battery Contacts or equivalent
- C. Page/Call Alert
- D. Private/Individual Call
- E. Talkgroup/Group Call
- F. Multigroup/Conference/Group Call
- G. Out-of-Range Indicator
- H. Over-the-Air Programming (inhibit and uninhibit/enable and disable)
- I. Text Messaging Service (Radio to Radio and Radio to Computer and Vice-Versa)
- J. Call ID Display
- K. Telephone Interconnect Capability
- L. Vehicular Adapter Operation Capable
- M. Encryption (Built-in, can be enabled and disabled)
- N. LCD Display (4 lines or more)
- O. Global Positioning Capable
- P. Data Inquiry System Capable
- Q. Automatic Vehicular Locator System Capable
- R. Supports Direct Data Connection
- S. Background Noise Cancellation (latest Version)
- T. 20. Military Standard 810C, D, E, F and IP 67 or latest compliant

V. ACCESSORIES

A. Battery

- 1) Lithium Ion or latest battery composition
- 2) 1800 mAH (minimum)
- 3) Extra Battery

B. Flexible Antenna

C. Belt Clip

D. Single Unit Battery Charger, 220 VAC, 60Hz

E. Appropriate Connection Cables

F. Audio Accessories


G. Case Protector

VI. MUST PASS THE PNP TEST AND EVALUATIONS

APPROVED this 28th day of AUGUST 2015, in Quezon City, Metro Manila, Philippines.

  
MAR ROXAS  
Chairman, NAPOLCOM



  
EDUARDO U. ESCUETA  
Commissioner-  
Vice Chairman and Executive Officer

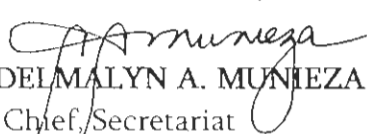
  
LUISITO T. PALMERA, DPA, CSEE  
Commissioner

  
CONSTANCIA P. DE GUZMAN, Ph.D.  
Commissioner

  
ALEJANDRO S. URRO  
Commissioner

  
RICARDO C. MARQUEZ  
Commissioner

Attested by:

  
ADELMALYN A. MUNIEZA  
Chief, Secretariat