

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

RESOLUTION No. 2015-426

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

WHEREAS, Section I4, 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. 2014-079, has recommended to the Commission for approval the Proposed Minimum Specifications for **Digital Mobile 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 Mobile Radio Transceiver** is not a tailored-fit specifications to any commercial brand of product and will enable participation by all interested manufactuters/suppliers in the market;

WHEREAS, after thorough review and evaluation, the Standard Specifications for **Digital Mobile 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 Minimum Specifications for **Digital Mobile 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 | 10 watts, min. |
| C. Channel Spacing | Narrowband Compliant |
| D. Frequency Stability | $\pm 0.0002\%$, max. |
| E. Output Impedance | 50 ohms |

III. RECEIVER

- | | |
|------------------------|-----------------------|
| A. Frequency Range | 851-870 MHz |
| B. Channel Spacing | Narrowband Compliant |
| C. Frequency Stability | $\pm 0.0002\%$, max. |
| D. Sensitivity | 0.25 microvolt, max. |
| E. Input Impedance | 50 ohms |

IV. FEATURES

- A. Multi-Site Capable
- B. Compact Microphone
- C. PC Programmable
- D. Call ID Display
- E. Page/Call Alert
- F. Private/Individual Call
- G. Multigroup/Conference/Group Call
- H. Out-of-Range Indicator
- I. Over-the-Air Programming (inhibit and uninhibit/enable and disable)
- J. Text Messaging Service (Radio to Radio and Radio to Computer and Vice-Versa)
- K. Military Standard 810C, D, E, F and IP 54 or 55 or latest compliant
- L. Encryption (Built-in, can be enabled and disabled)
- M. Background Noise Cancellation (latest Version)
- N. Telephone Interconnect Capability
- O. LCD Display (2 lines or more)
- P. Global Positioning Capable
- Q. Data Inquiry System Capable
- R. Automatic Vehicular Locator System Capable
- S. Supports Direct Data Connection
- T. Vehicular Adapter Operation Capable

V. ACCESSORIES


- A. Antenna
 - 1) 800 MHz Band
 - 2) Car/Mobile Mount
- B. Appropriate ports for external accessories
- C. Complete Hardware Mounting
- D. Power Supply Plug/Connector


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. PALMIERA, 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