

REPUBLIC OF THE PHILIPPINES  
NATIONAL POLICE COMMISSION  
Makati City

RESOLUTION No. 2007-592

**PRESCRIBING THE STANDARD SPECIFICATIONS FOR  
NIGHT VISION SCOPE (MONOCULAR) AS AMENDED**

**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 with the aforecited legal prescription, the PNP, through its Uniform and Equipment Standardization Board (UESB) Resolution No. 2006-19 dated 11 December 2006 has favorably submitted and indorsed its proposed amendment to the standard specifications for Night Vision Scope (Monocular) for consideration by the Commission;

**WHEREAS**, there is need to improve and amend the existing approved specifications to cope with the changes in technology and enhance the capability of the PNP Special Action Force Group against Terrorism;

**WHEREAS**, after thorough evaluation and modification of the proposed amendment to the standard specifications for Night Vision Scope (Monocular), the same are found in order and conforms with the requirements of Republic Act 8551 and its implementing rules and regulations (IRR), existing policies and issuances of the Commission for the use of the PNP;

**NOW THEREFORE**, the Commission in the exercise of its statutory power to administer and control the PNP, **HAS RESOLVED TO ADOPT AND PRESCRIBE, AS IT HEREBY ADOPTS AND PRESCRIBES** the amended standard specifications for Night Vision Scope (Monocular) with modifications, to read as follows:

**I. DESCRIPTION**

A lightweight compact multi purpose monocular night vision equipment suited for use in the darkest of environment. The objective lens and eyepiece assemblies can provide attachment of similar accessories. The head/helmet mount can also be adapted

**II. FEATURES**

1. Compact
2. Superior Quality
3. Generation III or higher intensifier tubes
4. Infrared IRI indicator
5. Internal low battery indicator
6. Compatible with all weapon mountings, IR laser aiming and other illuminating device

### III. SPECIFICATIONS

- |       |  |   |                                       |
|-------|--|---|---------------------------------------|
| 1.    | Weight   | : | 14 oz (0.4kg) maximum                 |
| 2.    | Dimension  | : | 145 x 82 x 65 mm (maximum)            |
| 3.    | Battery Life   | : | 40 hrs continuous operation (minimum) |
| 4.    | Power Supply   | : | 1 AA or 3V Lithium                    |
| 5.    | Range of Focus   | : | 0.25m (or better) to infinity         |
| 6.    | Eye Relief   | : | 25mm or better                        |
| 7.    | Diopter Adjustment   | : | +6 to -4 or better                    |
| 8.    | Field of View  | : | 40 degrees                            |
| 9.    | F-number   | : | 1.2                                   |
| 10.   | Recognition Range  | : | 250m (minimum)                        |
| 11.   | Detection Range  | : | 300 (minimum)                         |
| 12.   | Magnification  | : | 1x                                    |
| 13.   | Total Darkness   | : | Standard                              |
| 14.   | Waterproof   | : | 20m for 1 hr or better                |
| 15.   | IR Illuminator Range   | : | 20m (minimum)                         |
| 16.   | Reliability  | : | 15,000 hrs (minimum)                  |
| 17.   | Resolution   | : | 64 LP/mm (minimum)                    |
| 18.   | Signal/Noise Ratio   | : | 22 (minimum)                          |
| 19.   | Shock Resistance   | : | 500g (minimum)                        |
| 20.   | Accessories  |   |                                       |
| 20.1  | Neck lanyard   |   |                                       |
| 20.2  | Lens Cap   |   |                                       |
| 20.3  | Two (2) pieces extra battery AA or 3V Lithium                        |   |                                       |
| 20.4  | Carrying case  |   |                                       |
| 20.5  | Reference Card/Data Sheet  |   |                                       |
| 20.6  | Sacrificial Window   |   |                                       |
| 20.7  | Helmet or Head Mounting Gear and/or transfer piece specified by user |   |                                       |
| 20.8  | Weapons Kit (transfer piece for Pica Tiny Rail)                      |   |                                       |
| 20.9  | Demisi Shield  |   |                                       |
| 20.10 | Maintenance Kit  |   |                                       |
| 20.11 | Lens Cleaning Pad  |   |                                       |
| 20.12 | Dive Windows   |   |                                       |
| 20.13 | Video/Camera Adapter (brand/model to be specified by the end-user)   |   |                                       |
| 20.14 | A-focal lens -- 3x to 5x   |   |                                       |
| 20.15 | Instruction Manual/CD  |   |                                       |
| 20.16 | Supplier's Trademark   |   |                                       |

### IV. WARRANTY

2 years with expressed or written extension of warranty specific to the end-user

CONDITION : Must pass the PNP functional test and evaluation

## V. TEST AND EVALUATION PARAMETERS FOR NIGHT VISION SCOPE

### 1. Visual and Dimension Inspection

- 1.1 All features and dimensional characteristics of the item must conform with the approved NAPOLCOM specifications for Night Vision Scope
- 1.2 Check the instruction manuals and proper labeling of each item/equipment showing the manufacturer's/supplier's trademark permanently placed (etched or embossed) on the item indicating the country of origin, stock number and lot number
- 1.3 Thoroughly inspect each equipment to insure of no damage
- 1.4 All required accessories must be included
- 1.5 The manufacturer's/supplier's trademark should be permanently affixed

### 2. Functional/Destructive Testing

- 2.1 Recognition Range Test
  - Must be able to clearly recognize moving/standing object/person at 250m (minimum)
- 2.2 Detection Range Test
  - Must be able to clearly detect people standing in the dark at 100, 200, 300, 400, 450 and 500 meters respectively
- 2.3 Flash Bang/Night Firing Effect Test
  - Fire double tap then check vision if affected
- 2.4 Magnification Test
  - Must be able to magnify objects (1x)
- 2.5 Waterproof Test
  - Submerged in water three (3) meters deep for one (1) hour
- 2.6 Shockproof Test
  - Dropped from the height of five and half (5.5) feet to the soft ground twice

#### NOTE:

- Test for Recognition Range, Detection Range and Flash Bang/Night Firing Effect must be conducted during night time or at total darkness
- The members/representative of the DRD Technical Working Group and the representatives from DC, DL, LSS, COA, NAPOLCOM and the end-user shall be the composition of Testing Team
- Visual and Dimensional Inspection and Evaluation should be conducted prior to the Functional/Destructive Testing

**VI. All Resolutions and Issuances found inconsistent with this specifications is hereby REPEALED/CANCELLED.**

**APPROVED**, this 27th day of DECEMBER 2007, at Makati City.



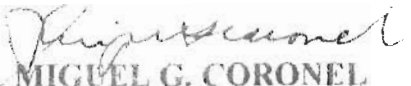
**RONALDO V. PUNO**  
Chairman, NAPOLCOM

*at*

*for*



**CELIA SANIDAD-LEONES**  
Commissioner

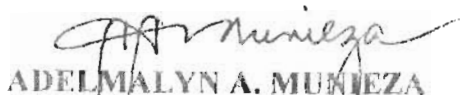


**MIGUEL G. CORONEL**  
Commissioner



**AVELLANA RAZON, JR.**  
Commissioner

Attested by:



**ADELMALYN A. MUNIEZA**  
Chief, Secretariat