



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

06 MAY 2021

**MEMORANDUM CIRCULAR**  
NO.: 2021 - 043

**TEST PARAMETERS IN THE CONDUCT OF TEST AND  
EVALUATION FOR AMBU-BAG RESUSCITATOR**

**1. REFERENCES:**

- a. Republic Act No. 9184 entitled: "An Act Providing for the Modernization, Standardization and Regulation of the Procurement Activities of the Government and for Other Purposes and its Revised Implementing Rules and Regulation (IRR)"; and
- b. NAPOLCOM Resolution No. 98-180 entitled, "Approving the Standard Specifications for Various PNP Medical Equipment" dated August 12, 1998.

**2. RATIONALE:**

This Memorandum Circular (MC) covers all the components of Ambu-Bag Resuscitator to be procured by the Philippine National Police (PNP).

**3. SITUATION:**

The PNP Health Service (HS) needs Ambu-Bag Resuscitator as a primary emergency equipment to deliver oxygen to Cardio-Pulmonary Resuscitation (CPR) patients. Ambu-Bag Resuscitator comes in different sizes to fit infants, children, and adults, (adult weighing 40 kgs and above, children weighing 10 – 40kgs, and infants with less than 10 kgs weight).

**4. PURPOSE:**

- a. To establish policy guidelines and test parameters for the conduct of functional test for Ambu-Bag Resuscitator to enhance the capability of the PNPHS;
- b. To establish the completeness, quality, and functionality of Ambu-Bag Resuscitator; and
- c. The Ambu-Bag Resuscitator will be used by the PNP General Hospital to provide oxygen to CPR patients.

JENNIFER D. BONDOC  
POLICE LIEUTENANT COLONEL,  
Chief, Administrative Section

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## 5. DEFINITION OF TERMS:

For purposes of this MC, the following shall mean:

- a. Airway – refers to the passage by which air enters and leaves the lungs.
- b. Cardiopulmonary Resuscitation – refers to an emergency procedure that combines chest compressions often with artificial ventilation in an effort to manually preserve intact brain function until further measures are taken to restore spontaneous blood circulation and breathing in a person who is in cardiac arrest.
- c. Expiratory Resistance – refers to the resistance to flow of gas out of the lungs or the total resistance to flow of gas during the expiratory phase of the respiratory cycle.
- d. Face Mask – refers to a protective mask covering the nose and mouth or nose and eyes.
- e. Relief Valve or Pressure Relief Valve (PRV) – refers to a type of safety valve used to control or limit the pressure in a system; pressure might otherwise build up and create a process upset, instrument or equipment failure, or fire.
- f. Reservoir Bag – refers to a collapsible reservoir from which gases are inhaled and into which gases may be exhaled during general anesthesia or artificial ventilation.
- g. Resuscitator – refers to a device using positive pressure to inflate the lungs of an unconscious person who is not breathing, in order to keep them oxygenated and alive.

## 6. GUIDELINES:

- a. The Directorate for Research and Development shall function as independent testing facility of the PNP. As required, its personnel shall perform their duties and functions pursuant to the PNP MC 2015-015;
- b. The post-qualification test and the conduct of inspection and acceptance test shall be based on the most recent standard issued by NAPOLCOM and the specifications issued by the PNP for Ambu-Bag Resuscitator;
- c. Additional technical requirements imposed by the Bids and Awards Committee (BAC) may only be considered in the conduct of test if the same are properly reflected in the bidding documents or in its supplemental bid bulletin (SBB). Likewise, in case there is a need to conduct additional tests, which are not included in the approved test parameters, the same may be allowed only if the additional test parameters are properly reflected in the bidding documents or in its SBB;
- d. GPPB Circular No. 06-2016 with subject "Expenses Related to the Conduct of Post-Qualification" shall be observed during the conduct of post-

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JENNIFER D. NIJOC  
POLICE LIEUTENANT COLONEL

Chief, Administrative Section

qualification. Hence, the administrative and operational expenses shall be charged to the proceeds of the sale of the bidding documents as indirect cost of administrative cost pursuant to GPPB Resolution No. 04-2012;

- e. On the other hand, administrative and operational expenses for the conduct of test and evaluation during inspection and acceptance shall only be imposed upon supplier if the same were included in the computation of the Approved Budget for the Contract and integrated in the preparation of the Project Management Plan;
- f. Consistent with the "pass or fail criteria," non-compliance with the NAPOLCOM-Approved Standard and PNP Specifications during post-qualification test is a ground for post-disqualification;
- g. During the inspection and acceptance, the procuring entity may reject any goods or any part thereof that failed to pass any test and/or inspection or do not conform to the specifications;
- h. Samples submitted for post-qualification and acceptance test and evaluation shall not be considered part of the delivered items, unless otherwise specifically provided in the bidding documents. Except in cases where samples are considered part of the delivered items or when a Motion for Reconsideration is filed by the suppliers with the BAC or Committee on Inspection and Acceptance, all samples submitted shall be returned to the suppliers immediately after the termination of the post-qualification and acceptance test and evaluation; and
- i. All the members of the TWG shall sign the result of the post-qualification and acceptance test and evaluation. In case there are disagreements on the findings of the TWG, the member who did not conform with the findings/results is allowed not to sign the report, provided that he will submit his written explanation, which shall be attached to the report of the TWG.

## 7. PROCEDURES

### a. Physical Evaluation

- 1) **Purpose:** To ascertain if the Ambu-Bag Resuscitator conforms with the NAPOLCOM Standard Specifications and other requirements through the conduct of visual, dimensional, and technical specification evaluation.
- 2) **Procedures:** To validate the visual, dimensional, and technical specifications of the equipment stated on the brochure/documents submitted, and/or on the actual inspection/evaluation of the equipment for its conformity as indicated in NAPOLCOM Standard Specifications and other requirements.
- 3) **Standard:** The Ambu-Bag Resuscitator must conform with the NAPOLCOM Standard Specifications and other requirements. Any

JENNIFER DEBONJOC  
POLICE LIEUTENANT COLONEL  
Chief, Administrative Section

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defect noted during the test shall be classified as major defect and a basis for disqualification or non-acceptance of the items.

Standard	Test Procedure	Class of Defects
a) The shape should be tidy and must not have any disfigurements, such as deflection and hollowness.	Physical	Major
b) All components and accessories must be complete and compatible.	Physical	Major
c) Must be provided with manual, brochures and copy of the certification.	Physical	Major
d) Must have warranty on parts and services for at least one year.	Certification	Major

b. Functional Test and Evaluation

- 1) **Purpose:** To ascertain the functional capacity and integrity of Ambu-Bag Resuscitator and if it fits its purpose;
- 2) **Standard:** The submitted/delivered Ambu-Bag Resuscitator must be able to deliver its purpose and perform all the required tests. Any defect noted during the test shall be classified as major defect and basis for post-disqualification or non-acceptance of the item; and
- 3) **Actual Testing:** The following functional tests must be performed based on the operation's/user's manual.

a) Ambu-Bag Adult Resuscitator

Particulars	Standard/ Specification	Test Procedure	Class of Defect
(1) Recoil Bag	Must be silicon rubber 1700ml	Brochure/ Physical	Major
(2) Patient Valve	Must be available	Visual	Major
(3) Face mask	Must have a size 5 and 3	Brochure/ Physical	Major
(4) Airway	Must have a size 0, 1, 2 and 3	Brochure/ Physical	Major
(5) Reservoir Bag	Must be 2600ml	Brochure/ Physical	Major
(6) Working Volume	Must be 1200ml	Brochure/ Physical	Major
(7) Inspiratory resistance	Must be 45mm H2O	Brochure/ Physical	Major
(8) Expiratory Resistance	Must be 36mm H2O	Brochure/ Physical	Major

JENNIFER D B D JOC  
 PO/VE LIEUTENANT COL ONE  
 Chief, Administrative Section

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b) Ambu-Bag Child Resuscitator

Particulars	Standard/ Specification	Test Procedure	Class of Defect
(1) Recoil Bag	Must have a 1700ml and 500ml	Brochure/ Physical	Major
(2) Patient Valve	Must be available	Visual	Major
(3) Face mask	Must have a size 5 and 3	Brochure/ Physical	Major
(4) Airway	Must have a size 00, 0, 1, 2 and 3	Brochure/ Physical	Major
(5) Reservoir Bag	Must be 2600ml	Brochure/ Physical	Major
(6) Working Volume	Must be 250ml	Brochure/ Physical	Major
(7) Inspiratory resistance	Must be 45mm H <sub>2</sub> O	Brochure/ Physical	Major
(8) Expiratory Resistance	Must be 36mm H <sub>2</sub> O	Brochure/ Physical	Major
(9) Pressure Limitation	Must be 60ml	Brochure/ Physical	Major

c) Ambu-Bag Infant Resuscitator

Particulars	Standard/ Specification	Test Procedure	Class of Defect
(1) Recoil Bag	Must have a 240ml	Brochure/ Physical	Major
(2) Patient Valve	Must be with Pressure Relief Valve	Visual	Major
(3) Face mask	Must have a size 0, 1 and 2	Brochure/ Physical	Major
(4) Airway	Must have a size 00 and 0	Brochure/ Physical	Major
(5) Reservoir Bag	Must be 600ml	Brochure/ physical	Major
(6) Working Volume	Must be 120ml	Brochure/ Physical	Major
(7) Pressure Limitation	Must be 45cm H <sub>2</sub> O	Brochure/ Physical	Major
(8) Inspiratory resistance	Must be 7mm H <sub>2</sub> O	Brochure/ Physical	Major
(9) Expiratory Resistance	Must be 7mm H <sub>2</sub> O	Brochure/ Physical	Major

JENNIFER D. FONJOC  
 PRINCE LIEBELLENANT COLONEL  
 Chief, Administrative Section

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**8. REPEALING CLAUSE:**

All previous MCs inconsistent with the foregoing are hereby modified, amended, or repealed accordingly.

**9. EFFECTIVITY:**

This MC shall take effect immediately after 15 days from filing a copy thereof at the University of the Philippines Law Center in consonance with Sections 3 and 4, Chapter 2, Book VII, E.O. No. 292, otherwise known as the "Revised Administrative Code of 1987," as amended.



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

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JENNIFER D. SINJOC  
POLICE LIEUTENANT COLONEL  
Chief, Administrative Section



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