



**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE 2  
Fort Andres Bonifacio, Taguig City**

**PROCUREMENT OF BLANK AMMUNITION**

**ORD PABAC2-003-25**

<b>Lot</b>	<b>Description</b>	<b>Qty (rds)</b>	<b>ABC (Pesos)</b>
<b>1</b>	<b>Ctg, 5.56mm: Blank</b>	<b>1,000,000</b>	<b>15,000,000.00</b>
<b>2</b>	<b>Ctg, 7.62mm: Blank</b>	<b>1,000,000</b>	<b>23,000,000.00</b>
<b>3</b>	<b>Ctg, 5.56mm: Blank, Linked</b>	<b>1,000,000</b>	<b>32,000,000.00</b>
<b>4</b>	<b>Ctg, 7.62mm: Blank, Linked</b>	<b>1,000,000</b>	<b>40,000,000.00</b>

**BIDDING DATE: November 14, 2024 at 9:00 AM**

Date of the Availability of Bidding Documents: October 22, 2024

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## **GLOSSARY OF ACRONYMS, TERMS, AND ABBREVIATIONS**

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and

solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.

# SECTION I. INVITATION TO BID

## Procurement of Blank Ammunition

### BID REF ORD PABAC2-003-25

1. The Philippine Army, through its Appropriation based on Fiscal Year 2025 NEP in the quantity and amount as indicated below:

Certification dated 04 Sep 2024 amounting to **THREE BILLION NINE MILLION FIVE HUNDRED NINETY-SIX THOUSAND TWO HUNDRED SEVENTY-SEVEN PESOS and 81/100 (PhP3,009,596,277.81)** duly signed by COL CHRISTOPHER M DIAZ GSC (INF) PA, AC of S for Financial Management, G10, PA intends to apply the following sum being the Approved Budget for the Contracts (ABCs) to payments under the contract for each item. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.

Lot	Description	Qty (rds)	ABC (Pesos)
1	Ctg, 5.56mm: Blank	1,000,000	15,000,000.00
2	Ctg, 7.62mm: Blank	1,000,000	23,000,000.00
3	Ctg, 5.56mm: Blank, Linked	1,000,000	32,000,000.00
4	Ctg, 7.62mm: Blank, Linked	1,000,000	40,000,000.00

2. The Philippine Army now invites bids for the above Procurement Project. Delivery of the Goods is required by **Two Hundred Ten (210) Calendar days reckoned from the date of receipt of Notice to Proceed (NTP)**. Bidders should have completed, within a period of five (5) years from the date of submission and receipt of bids, contracts similar to the Project which is **Supply and Delivery of Small Arms Ammunition. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders)**.

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184 otherwise known as the "Government Procurement Reform Act".

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of RA No. 9184.

4. Prospective Bidders may obtain further information from PABAC2 Secretariat and inspect the Bidding Documents at the address given below during office hours from 8:00 am to 5:00 pm.

5. The complete set of Bidding Documents may be acquired/purchased by interested Bidders on **October 22, 2024** during office hours (8:00 am - 5:00 pm) from the given address and websites below in the amount of **PhP50,000.00**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person, by facsimile, or through electronic means.

6. The Philippine Army through PABAC2 will hold a Pre-Bid Conference on the time and date as specified below at the Office of the PABAC2, Fort Andres Bonifacio, Taguig City, M.M. and/or through video conferencing or webcasting, which shall be open to prospective bidders

7. Bids must be duly received by the PABAC2 Secretariat through manual submission at the office address indicated below on or before the date of submission of bids as specified below. Late bids shall not be accepted.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.

9. Bid opening shall be on the date as specified below and at the given address below through in person (face to face) and/or through video conferencing or webcasting. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.

The schedule of the bidding activities shall be as follows:

ACTIVITIES	TIME	VENUE
1. Sale and Issuance of Bidding Documents	8:00 AM to 5:00 PM only Mondays - Fridays starting <b>October 22, 2024</b>	PABAC2 Conference Room, Fort Andres Bonifacio, Taguig City, M.M
2. Pre-Bid Conference	<b>October 29, 2024 at 9:00 AM</b>	
3. Submission, Opening, and Bids Evaluation	<b>November 14, 2024 at 9:00 AM</b>	

10. The Philippine Army reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

11. If there is a tie in bid offers when the bidders offered the same financial bid price and all have the post qualification and are considered as Lowest Calculated and Responsive bids (LCRB). To break the tie, a tie between two (2) bidders shall be decided through a Toss Coin; while a tie among three (3) or more bidders shall be decided through Draw Lots.

12. For further information, please refer to:

**Office of the PA Bids and Awards Committee 2**  
Fort Andres Bonifacio, Taguig City

**BGEN BENJAMIN L HAO PA**  
**PABAC2 Chairperson**  
Contact Nr. 873-16648/ 09393185696 or  
at its email address at [pabacsec2@gmail.com](mailto:pabacsec2@gmail.com)

You may visit the following websites for downloading of Bidding Documents: **([philgeps.gov.ph](http://philgeps.gov.ph) and [army.mil.ph](http://army.mil.ph))**

Date of Issue: \_\_\_\_\_



**BENJAMIN L HAO**  
BGen PA  
Chairperson

## SECTION II. INSTRUCTION TO BIDDERS

The Procuring Entity, **Philippine Army** wishes to receive Bids for the **PROCUREMENT OF BLANK AMMUNITION** under **ORD PABAC2-003-25**.

The Procurement Project (referred to herein as “Project”) is composed of **Four (4) lots**, the details of which are described in Section VII (Technical Specifications).

### 2. Funding Information

2.1. The GOP through the source of funding as indicated below for **CY 2025** in the amount of **One Hundred Ten Million Pesos (PhP110,000,000.00)**.

2.2. The source of funding is **Fiscal Year 2025 NEP**.

### 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

### 4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

### 5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:



- i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
  - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
  - iii. When the Goods sought to be procured are not available from local suppliers; or
  - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
  - a. For the procurement of **Non-Expendable Supplies**: The Bidder must have completed a single contract that is similar to this Project, equivalent to **at least fifty percent (50%)** of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## 6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## 7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

However, the Procuring Entity has prescribed that **Subcontracting is not allowed**.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address indicated herein and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received

by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within the last five (5) years prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## **11. Documents comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Bid Prices**

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Philippines:

- i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
  - ii. The cost of all customs duties and sales and other taxes already paid or payable;
  - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
  - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
  - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### 13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in **Philippine Pesos**.

### 14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until **One Hundred Twenty (120) calendar days from the date of opening of bids**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### 15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

## **16. Deadline for Submission of Bids**

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

## **17. Opening and Preliminary Examination of Bids**

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

The Project shall be awarded as **One (1) Project having several items that shall be awarded as one contract.**

- 19.4. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

# Section III. Bid Data Sheet

<b>ITB Clause</b>									
<b>3</b>	Non-compliance and/or non-conformance with the prescribed forms as provided in the Annexes of this Bidding Documents will be a ground for disqualification.								
<b>5.2</b>	Foreign Bidders must be represented by a <b>duly registered Philippine-based company.</b>								
<b>5.3</b>	<b>For this purpose, contracts similar to the Project shall mean “Supply and Delivery of Small Arms Ammunition”</b> which must be completed within five (5) years prior to the deadline of the submission and receipt of bids.								
<b>6</b>	<b>All components of the goods to be supplied must come from one (1) source and manufacturer only.</b>								
<b>7.1</b>	<b>Subcontracting is not allowed.</b>								
<b>12</b>	The price of the Goods shall be quoted <b>Delivered Duty Paid (DDP)</b> to be delivered at <b>Ammunition Company, Armament and Ammunition Battalion, 1<sup>st</sup> Logistics Support Group, Army Support Command, Philippine Army, Camp Servillano Aquino, Tarlac City</b>								
<b>13.1</b>	<b>Bid Price shall be quoted in Philippine Pesos.</b>								
<b>14.1</b>	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p style="margin-left: 40px;">a. The amount of not less than <b>TWO MILLION TWO HUNDRED THOUSAND PESOS (PhP2,200,000.00)</b> which is equivalent to <b>two percent (2%)</b> of ABC, if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit; <b>OR</b></p> <p style="margin-left: 40px;">b. The amount of not less than <b>FIVE MILLION FIVE HUNDRED THOUSAND PESOS (PhP5,500,000.00)</b> which is equivalent to <b>five percent (5%)</b> of ABC, if bid security is in Surety Bond.</p>								
<b>15</b>	Each Bidder shall submit <b>One (1) original copy and two (2) photo copies</b> of the first and second components of its bid. Each component of the bid must be sealed in two (2) separate envelopes duly labeled. Likewise, the two (2) separate envelopes shall be sealed in one (1) big envelope or carton box duly labeled.								
<b>19.3</b>	<p>The Project shall be awarded as <b>One Project having several items that shall be awarded as one contract. The amount of bid per lot must not exceed the ABC per Lot and the Total Bid Price must not exceed the Total ABC for this Project. Bids received in excess of the amounts below shall be automatically rejected at bid opening, or during bid evaluation:</b></p> <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">Lot</th> <th style="width: 45%; text-align: center;">Description</th> <th style="width: 15%; text-align: center;">Qty (rds)</th> <th style="width: 30%; text-align: center;">Approved Budget for the Contract (ABC)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Lot	Description	Qty (rds)	Approved Budget for the Contract (ABC)				
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			(amount in Pesos)
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2	Ctg, 7.62mm: Blank	1,000,000	23,000,000.00
3	Ctg, 5.56mm: Blank, Linked	1,000,000	32,000,000.00
4	Ctg, 7.62mm: Blank, Linked	1,000,000	40,000,000.00

20.2	<p>In accordance with Section 34.2 the 2016 Revised IRR of RA No 9184, the Bidder shall submit the following documents within a non-extendible period of <b>five (5) calendar days</b> from receipt of the notice from the BAC that it is the LCB/SCB:</p>	
	<b>TAB</b>	
	<b>A</b>	<b>Registration Certificate</b> from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives
	<b>B</b>	<b>Mayor's/Business permit</b> issued by the local government where the principal place of business of the bidder is located
	<b>C</b>	<b>Tax Clearance per E.O. No. 398, s. 2005</b> , as finally reviewed and approved by the Bureau of Internal Revenue (BIR)
	<b>D</b>	Latest <b>Audited Financial Statements</b> showing, among others, the prospective bidder's total and current assets and liabilities stamped "received" if manually filed or "attachment of system generated Transaction Reference Number and email to the system user" if electronically filed issued by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two years from the date of bid submission; Provided that original copies of the digitally submitted documents will be presented upon request
	<b>E</b>	<b>Latest income and business tax returns</b> within the last six (6) months preceding the date of bid submission, manually filed Tax Returns or filed and paid through the BIR Electronic Filing and Payment System (eFPS)
	<b>F</b>	<p><b>Supporting documents for all on-going government and private contracts:</b></p> <ul style="list-style-type: none"> <li>a. Notice of Award; <b>OR</b></li> <li>b. Notice to Proceed; <b>OR</b></li> <li>c. Contract; <b>OR</b></li> <li>d. Purchase Order or its equivalent issued by the end-user; <b>AND</b></li> <li>e. Notice of Extension/Suspension if the project is overdue (only if applicable).</li> </ul>
<b>G</b>	<p><b>Supporting documents for Single Largest Completed Contract (SLCC):</b></p> <ul style="list-style-type: none"> <li>a. Notice of Award <b>OR</b> Notice to Proceed <b>OR</b> Contract <b>OR</b> Purchase Order <b>OR</b> its equivalent issued by the supplier; <b>AND</b></li> </ul>	

	<p>b. Official Receipt (duplicate or triplicate copy) <b>OR</b> Sales Invoice with Collection Receipt (duplicate or triplicate copy); <b>AND</b></p> <p>c. End-User's Acceptance <b>OR</b> Certificate of Performance Evaluation.</p>
<b>H</b>	<b>Certificate of Notarial Commission or Appointment</b> of the Lawyer who notarized the submitted documents
<b>I</b>	<p><b>Required Firearms and Ammunition License/s</b></p> <p><b>For Local Bidder:</b> Valid and current <b>License to Manufacture</b> the items to be bid issued by the National Headquarters of Philippine National Police (PNP) Camp Crame, Quezon City or <b>Valid and Current Indent License</b> to deal the goods to be bid for sale to the AFP issued by the National Headquarters of Philippine National Police (PNP), Camp Crame, Quezon City.</p> <p><b>For Foreign Bidder:</b> Philippine Representative Company's Valid and Current Indent License to deal the goods to be bid for sale to the AFP issued by the National Headquarters of Philippine National Police (PNP), Camp Crame, Quezon City.</p> <p>Note: Required license(s) presented during opening of bids shall be used for the importation of the item being bid.</p>
<b>J</b>	<p><b>Current and valid ISO (9001:2015) or AQAP Certificate</b> issued by an independent certifying agency in the name of the Manufacturer of the item.</p> <p>The validity or scope of the ISO or other certificate must cover the production, design, manufacturing, and inspection of the items subject of the bidding;</p>
<b>K</b>	<b>Company Profile</b> (Organization to include names of Key Officials, Affiliated Companies, Production Capability)
<b>L</b>	<b>Vicinity map/location</b> of the business
<b>M</b>	<b>Bidder's Technical Specifications</b> of the item to be bid to include its Tests and Inspections Parameters, Types and Classification of Defects, Acceptance and Rejection Criteria, and Sampling Plan/Allocation of Representative Samples
<b>N</b>	<b>Certificate of No Overdue Delivery and Bidder is not Blacklisted</b> issued by HAFPPS
<b>O</b>	<b>Certificate of Employment</b> of company official/s designated in License to Manufacture or Indent License (License to Operate)
	<p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>In case of foreign bidders, for <b>Tabs A, B, and D to H</b>, the foreign bidder may submit the corresponding equivalent documents of the same issued by the foreign bidder's country or place of business.</li> <li>The above documents must be in English. If the documents are in a foreign language, it must be accompanied by a translation of the</li> </ul>



documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and shall be authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. However, for Contracting Parties to the Apostille Convention, the documents shall be authenticated through an apostille by the Competent Authority, except for countries identified by the DFA that will still require legalization (red ribbon) by the relevant Embassy or Consulate.

- In case of conflict between the English translation and the foreign translation, the English translation shall prevail.
- In case of Joint Venture, each partner must present/submit the above documents. The partner who is responsible to submit the NFCC shall submit the Statement of all its on-going contracts and its supporting documents.
- Failure to submit any of the post qualification requirements or finding against the veracity thereof, shall disqualify the bidder for award. Should there be a finding against the veracity of any of the documents submitted, the Bid Security shall be forfeited in accordance with Section 69 of the 2016 Revised IRR of RA 9184.
- Original copies of the documents submitted during the opening of the bid envelopes shall be presented to the Post Qualification Team during the post qualification examination.

## Section IV. General Conditions of Contract

### 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

### 2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

### 3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

### 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and

where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

## **5. Warranty**

- 5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

**SECTION V. SPECIAL CONDITIONS OF CONTRACT**

<b>SPECIAL CONDITIONS OF CONTRACT</b>	
<b>GCC Clause</b>	
<b>1</b>	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><b><i>For Goods Supplied from Abroad:</i></b>                      The delivery terms applicable to the Contract are <b>Delivered Duty Paid (DDP)</b> delivered at <b>Ammunition Company, Armament and Ammunition Battalion, Logistics Support Group, Army Support Command, Philippine Army, Camp Aquino, Tarlac City, Philippines</b>. In accordance with INCOTERMS.”</p> <p><b><i>For Goods Supplied from Within the Philippines:</i></b>                      The delivery terms applicable to this Contract are delivered at <b>Ammunition Company, Armament and Ammunition Battalion, Logistics Support Group, Army Support Command, Philippine Army, Camp Servillano Aquino, Tarlac City, Philippines</b>”. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in <b>Section VI. Schedule of Requirements</b>.</p> <p><b>Deliveries for “safekeeping” is not allowed.</b></p> <p>The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p><b><i>For Goods supplied from within the Philippines:</i></b>                      Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <ul style="list-style-type: none"> <li>(i) Original and four copies delivery receipt/note, railway receipt, or truck receipt;</li> <li>(ii) Original Supplier’s factory inspection report;</li> <li>(iii) Original and four copies of the Manufacturer’s and/or Supplier’s warranty certificate;</li> <li>(iv) Original and four copies of the certificate of origin (for imported Goods);</li> </ul>

- (v) Delivery receipt detailing number and description of items received signed by the authorized receiving personnel; and
- (vi) Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site.

***For Goods supplied from abroad:***

Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:

- (i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Original and four copies of the negotiable, clean shipped on-board bill of lading marked "freight pre-paid" and five copies of the non-negotiable bill of lading;
- (iii) Original Supplier's factory inspection report;
- (iv) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate;
- (v) Original and four copies of the certificate of origin (for imported Goods);
- (vi) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site; and
- (vii) Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site.

**For purposes of this Clause the Procuring Entity's Representative at the Project Site is: PA TIAC, APAO, OG10.**

**Incidental Services –**

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:

- furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

**Packaging – (during transit)**

The Manufacturer or Supplier or Distributor shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during

transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the GOODS' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

If the packaging during transit is in **Pallets or other packaging**, the following must be clearly marked on at least four (4) sides:

- Name of the Procuring Entity
- Name of the Supplier
- Contract Description
- Final Destination
- Gross weight
- Any special lifting instructions
- Any special handling instructions
- Any relevant HAZCHEM classifications

Further, if the pallets or other packaging is made of wood, it must be **pest/termite-treated** and must be supported by a certification.

A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the GOODS' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation shall be in accordance with the manufacturer's standard.

#### **Insurance –**

The Goods supplied under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The Goods remain at the risk and title of the Supplier until their final acceptance by the Procuring Entity.

	<p><b>Transportation –</b>                  Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available, but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered <i>force majeure</i> in accordance with <b>GCC</b> Clause 22.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP Deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Patent Rights –</b>                  The Supplier shall identify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> <p>For the given project in this Contract as awarded, all bid prices are considered fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances and upon prior approval of the GPPB in accordance with Section 61 of R.A 9184 and its 2016 Revised IRR.</p>
<p><b>2.2</b></p>	<p>Payments shall be made only upon a certification by the <b>HoPE</b> to the effect that the Goods have been <b>rendered</b> or <b>delivered</b> in accordance with the prescribed delivery schedule of this Contract and have been duly <b>inspected</b> and <b>accepted</b>.</p> <p><b>Payment shall be made by check for Local supplier/manufacturer or through Letter of Credit in case of foreign supplier/manufacturer.</b></p>

In case payment shall be made by L/C, the PROCURING ENTITY shall open the irrevocable L/C in favor of the Supplier in accordance with the terms provided below in an Authorized Government Depository Bank after the approval of the Contract by the HOPE and cash transfer from the PA to the Authorized Government Depository Bank, to wit:

- (a) **Mode of Transmission:** Full cable telex/S.W.I.F. T;
- (b) **Advising and/or Confirmation:** L/C may be advised and/or confirmed by any bank to be identified by the Supplier, at the latter's sole expense;
- (c) **Payee Bank:** The L/C draft (if any) shall be drawn on the confirming bank;
- (d) **Beneficiary:** [Insert name and address of Supplier with Point of Contact;
- (e) **Currency and Amount of L/C:** L/C shall be in Philippine Peso, in an amount equivalent to the Total Contract Price. The **95%** of the amount of L/C shall be released upon completion of all the required documents enumerated in **SCC Clause 2.2(g)** of the bidding documents and the **5%** shall be released upon expiration of the warranty period provided in the bidding documents;
- (f) **Expiration Date:** **Two Hundred Forty (240) calendar days** from issue date of the L/C;
- (g) **Payment Scheme Documentary Requirements:** Payment will be "**One Time Payment**" and shall be made to the Supplier at the time of the final acceptance of the GOODS by the PROCURING ENTITY in accordance with Section VI. Schedule of Requirements, and the submission or presentation of the following documents:
  - i. Supplier's invoice showing GOODS' description, quantity, unit price, and total amount;
  - ii. Negotiable, clean shipped on-board Bill of Lading marked "Freight Pre-Paid" and/or "Non-Negotiable Bill of Lading" or "Airway Bill";
  - iii. Original Supplier's factory inspection report or certificate of pre-delivery test and inspection report by PA TIAC (as applicable);
  - iv. Manufacturer's and/or Supplier's warranty certificate; Original Manufacturers/Product Warranty/Guaranty Certificate/s issued in the name of the Philippine Army minimum of one (1) year from the date of final acceptance (full replacement for defective items); **Warranty should indicate the Lot Number of the goods;**
  - v. Certificate of Origin (for imported GOODS);
  - vi. Delivery Receipt detailing number and description of items received signed by the Procuring Entity's representative at the Delivery Site;
  - vii. Certificate of Acceptance by the PA Technical Inspection and Acceptance Committee (PA TIAC); and
  - viii. Original Manufacturers Certificate re: Date of Manufacture of the product should be not **more than one (1) year** from the date of delivery (brand new/freshly manufactured);
- (h) **Description of Goods:** As stated in the Technical Specifications with additional requirements as indicated in SECTION VI Schedule of Requirements.



	<p>(i) <b>Delivery Period:</b> Complete Delivery within <b>Two Hundred Ten (210) calendar days</b> from receipt of the NTP by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP: should the supplier fail to comply, the delivery period shall commence.</p> <p>(j) <b>Shipment:</b> One-time shipment; transshipment is acceptable. Negotiability: The L/C shall be irrevocable;</p> <p>(k) <b>Liquidated Damages:</b> Liquidated damages shall be imposed in accordance with Section 68 of Republic Act (RA) Nr 9184 and its Revised Implementing Rules and Regulations.</p> <p>(l) <b>Other Instructions:</b></p> <p>i. The cost of the opening, as well as advising, confirmation, extension, and/or amendment, if any, of the L/C, and other bank charges shall be for the account of the Supplier;</p> <p>ii. The L/C must be in English; and</p> <p>iii. No boycott or restrictive language.</p>
<p>3</p>	<p>If the Performance Security is in the form of a Surety Bond, it must be in the name of the <b>Philippine Army/AFP</b> and its validity must be until the issuance by the <b>Procuring Entity of the Certificate of Final Acceptance</b>. The Surety Bond must be <b>duly notarized</b> and <b>signed by the supplier’s authorized representative indicating therein his/her full name</b>.</p>
<p>4</p>	<p>The inspections and tests that will be conducted are:</p> <p><b>A. POST-QUALIFICATION</b> involving documents validation and plant/office visit and inspection of sample goods shall be conducted by the Procuring Entity or its designated representatives (PQ Team designated by the BAC) to determine the compliance to the requirements of the end-user as required in the bidding documents. Manufacturer’s plant inspection will be conducted, subject to the approval of the Head of the Procuring Entity (HOPE). The Manufacturer/Supplier shall be made to provide pieces of evidence of the compliance of items offered to the specifications as stated in Section VII of the bidding documents and his capability to manufacture/supply the goods/items being required. Expenses incurred related hereto particularly travel and board and lodging expenses shall be borne by the Procuring Entity.</p> <p><b><u>Moreover, the PQ Team will conduct validation to other government agencies if the supplier/manufacturer has no overdue delivery.</u></b></p> <p><b>B. PRE-DELIVERY INSPECTION AND TEST:</b></p> <p>All items shall be subjected to Pre-Delivery Inspection (PDI) by the Philippine Army.</p> <p><b>1. For Foreign Manufacturers:</b></p> <p>a. All Items shall be subjected to pre-delivery inspection (PDI) and test by the Philippine Army representatives. The PDI shall be conducted not later than sixty (60) days prior to the expiry of the required delivery period at the goods’ country of origin <b>OR</b> at Research and Development Center (RDC), ASCOM, PA <b>OR</b> as the PA TIAC may direct.</p>

**b.** No extension of delivery period shall be allowed in case of failure or refusal of bidder to comply with said PDI period.

**c.** In no case shall the bidder be relieved from responsibility relative to the delivery of the goods in the event that the PDI is delayed for any reason including issues related to travel documents (i.e., Visa, Travel authority). Appropriate penalties for the delay shall be imposed as applicable.

**d.** The Inspection Team that may attend the pre-delivery test at the country of origin at bidder's expenses **shall be maximum of three (3) members coming from PATIAC** who have technical knowledge relevant to the item being procured.

**e.** The Bidder shall ensure that the Inspection Team will be allowed to jointly participate in the conduct of the testing procedures.

**f.** Bidder shall shoulder all the costs and expense of travel (via/IATA member airlines in case of international travel) and accommodation including Daily Subsistence Allowance (pursuant to Section 8, EO 298) and securing visas as necessary and travel insurance of all the Inspection Team Members. In this regard, supplier is required to **ISSUE the required written invitations** to the Inspection team through Philippine Army relative to the PDI within **seven (7) calendar days from receipt of NTP**.

**g.** Bidder shall conduct product/inspection and pre-departure briefing to orient the members of the Inspection team at least one (1) week prior to departure date. Supplier shall ensure that a full time/on-board interpreter is available for non-English speaking country of manufacturer/plant site. Travel documents including insurance must be submitted to the inspection team during the pre-departure briefing.

**h.** Failure to provide such invitation per paragraph *d* above may result in delays in release of required travel orders for the inspection team and may subject the supplier to applicable sanctions including liquidated damages due to late delivery. Results of the Pre -Shipment Testing Procedures duly signed by Inspection Team in attendance to be submitted for payment purposes.

However, final acceptance as to Physical count will be conducted in the Philippines. The PDI shall be conducted in accordance with the prescribed Test and Acceptance Procedures (Annex 7- C). Cost of samples to be used for testing shall be for the account of the bidder or supplier. The samples to be used during the test shall be over and above the quantity to be delivered.

## **2. For Local Bidder:**

**a.** Pre-delivery inspection of the items to be conducted by the designated **PA TIAC** who have technical knowledge relevant to the item

being procured at Research and Development Center (RDC), ASCOM, PA; **OR** Government Arsenal Facilities; **OR** at the Local Manufacturer’s facilities; **OR** at an authorized third-party testing facility **OR** as the PA TIAC may direct.

**b.** All incidental and related expenses relative to inspection shall be for the account of the manufacturer.

**c.** Acceptance Tests to be conducted as per prescribed Test and Acceptance Procedures (**Annex 4-C**). **Cost of samples to be used for testing shall be for the account of the manufacturer. The samples shall be over and above the quantity to be delivered.**

**SPECIFICATIONS:**

Lot	Description	Technical Specifications	Test and Acceptance Procedure
1	Ctg, 5.56mm: Blank	PA SPECS NR FAM-19(Blank)-03-17 dated 21 May 2017	PA TAP NR FAM-19(Blank)-03-17 dated 21 May 2017
2	Ctg, 7.62mm: Blank	TS NR: ORDA05(BK-01)04-23 dated 03 Aug 2023	TAP NR: ORDA05(BK-01)04-23 dated 03 Aug 2023
3	Ctg, 5.56mm: Blank, Linked	PA SPECS NR FAM-19(BL)-12-19 dated 17 Jan 2020	PA TAP NR FAM-19(BL)-12-19 dated 17 Jan 2020
4	Ctg, 7.62mm: Blank, Linked	TS NR: ORDA05(BKL-00)04-23 dated 03 Aug 2023	TAP NR: ORDA05(BKL-00)04-23 dated 03 Aug 2023

All items to be supplied must come from one (1) source and manufacturer only.

**Maximum number of rounds per Lot or Sub-Lot size for Small Arms Ammunition is One (1) Million.** For production lot more than one (1) million rounds, the production will be broken down into sub-lots composed of not more than one (1) million rounds per sub-lot. If the total quantity for the whole lot number is divided into sub-lots, packaging will be marked by sub-lot.

**Date of Manufacture of Item:** All items must have a manufacturing date which should not be more than **one (1) year** reckoned from the date of delivery (**brand new/freshly manufactured**);

**C. Final Inspection and Acceptance** will be at the Delivery Site. Completeness and appropriateness of the delivered goods shall be inspected by the Procuring Entity’s representative at the delivery site at the soonest time possible. After completion of the inspection, the inspection team shall furnish the following reports:

1. Final Inspection and Acceptance Report by the TIAC;
2. OG10 Inspection Report;
3. SAO/APAO Acceptance Report;

**Correction of Defects:**

	<p><b>a. During Pre-Delivery Inspection.</b> Any defects noted during pre-delivery inspection shall be corrected prior to shipment/delivery of the goods subject for another test and inspection.</p> <p><b>b. During TIAC Inspection:</b></p> <p>b.1. <b>For items delivered within the delivery period</b>, the Supplier shall be allowed to correct defects within 30 calendar days upon receipt of written Notice from the PAPC or within the remaining days of the delivery period, whichever comes later. (Note: This provision is not applicable to items delivered beyond the delivery period).</p> <p>b.2. <b>For items delivered after the lapse of the delivery period</b>, the Supplier shall be allowed to correct defects, subject to the imposition of liquidated damages.</p>
	<p><b><u>TIAC Non- Acceptance of Goods:</u></b></p> <p>In case items are rejected, the <b>PA TIAC</b> shall issue <b>Certificate of Non-Acceptance</b> on the cause of non-compliance of the goods. A corresponding <b>Notice of Non-Acceptance</b> shall then be issued by <b>Philippine Army Procurement Center (PAPC)</b> to the supplier.</p> <p>In case of rejection, the Supplier shall immediately withdraw the items from the Project/Delivery site. Any loss or damage thereto after such declaration shall be the sole responsibility of the Supplier.</p>
	<p><u>Supplier shall be <b>subjected to blacklisting</b> due to termination by default.</u></p>
<p>5.1</p>	<p>The warranty shall be covered by, either retention money in an amount equivalent to <b>five percent (5%)</b>, or a special bank guarantee equivalent to <b>five percent (5%)</b> of the Contract Price in favor of the Armed Forces of the Philippines.</p> <p>The warranty period shall be <b>one (1) year</b> after acceptance by the Procuring Entity of the Delivered Goods. The manufacturer shall issue a Warranty Certificate that shall cover a minimum of one (1) year after the acceptance by the Procuring Entity of the Delivered Goods.</p> <p>The Obligation for the warranty shall only be released after the lapse of the warranty period.</p>
<p>5.2</p>	<p>The period for repair or replacement for the defective goods or parts thereof shall be within Ninety (90) Calendar Days (maximum) upon receipt of the Notice of Defects.</p> <p>The PROCURING ENTITY through the TIAC may invoke for warranty claims for the GOODS or any part thereof that fail to conform to the specifications within the warranty period. The Supplier shall either rectify or replace such defective GOODS or parts thereof or make alterations necessary to meet the specifications at no cost to the PROCURING ENTITY, and shall inspect the rectified/replaced goods, at no cost to the PROCURING ENTITY, upon giving a notice pursuant to GCC Clause 5.2.</p>

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6	<p>When the supplier fails to satisfactorily deliver the goods or services under the contract within the specified delivery schedule or project implementation schedule, inclusive of duly granted time extensions, if any, the supplier shall be liable for damages for the delay and shall pay the Procuring Entity liquidated damages, not by way of penalty, for every day of delay until such goods or services are finally delivered or performed and accepted by the Procuring Entity concerned.</p> <p>The amount of the liquidated damages shall be at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the Procuring Entity may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances.</p>
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## SECTION VI. SCHEDULE OF REQUIREMENTS

The delivery schedule expressed as calendar days stipulates hereafter a delivery date which is the date of delivery to the project site.

<i>Lot</i>	<i>Description</i>	<i>Qty</i>	<i>Unit</i>	<i>Delivery Period</i>
1	<b>Ctg, 5.56mm: Blank</b>	1,000,000	Round	<b>Two Hundred Ten (210) Calendar Days upon receipt of NTP</b> by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP; should the supplier fail to comply, the delivery period shall commence.
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging	
2	<b>Ctg, 7.62mm: Blank</b>	1,000,000	Round	
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging	
3	<b>Ctg, 5.56mm: Blank, Linked</b>	1,000,000	Round	
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging	
4	<b>Ctg, 7.62mm: Blank, Linked</b>	1,000,000	Round	
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging	

# SECTION VII. TECHNICAL SPECIFICATIONS

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TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm, Blank  
PA SPECS NR FAM – 19(Blank) – 03 – 17



**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila**

**MAY 21 2017**

PA SPECS NR FAM – 19(Blank) – 03 – 17

**TECHNICAL SPECIFICATIONS FOR  
Cartridge, 5.56mm, Blank**

<b>Description:</b>	This cartridge is identified by a rose-petal (rosette-crimp) closure of the cartridge case mouth used for simulated firing in training exercises and saluting purposes.
<b>Weapons Application:</b>	Rifle, 5.56mm, M16 Series; Carbine, 5.56mm, M853 Series; Carbine, 5.56mm, M4 Series
<b>Technical Data:</b>	
<b>1. Dimension and Weight:</b>	
Round Weight	107 grains
Round Length	48.3mm
<b>2. Primer Type:</b>	Percussion
<b>3. Cartridge Case:</b>	Brass
<b>4. Filler:</b>	Smokeless Powder
<b>5. Cartridge Markings:</b>	
Cartridge Case Head Stamp	Manufacturer's Code Year of Manufacture (last 2 digits)
<b>6. Inner Packaging:</b>	Carton Box
Markings	Nomenclature Lot Number (indicating Manufacturer's Code, Year of Production and Month of Production) Manufacturer Quantity per Box Date of Manufacture
<b>7. Intermediate Packaging:</b>	Transparent Plastic (Vacuum sealed)
<b>8. Outer Packaging:</b>	Wooden Box (Termite Treated) or Hard Plastic Box
Markings	Philippine Army PH Government Property Nomenclature Lot Number (indicating Manufacturer's Code, Year of Production and Month of Production) Manufacturer Quantity per Box Weight (N.E.W / Net/ Gross) Dimension



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TECHNICAL SPECIFICATIONS FOR Cartridge, 8.56mm, Blank  
PA SPECS NR FAM - 19(Blank) - 02 - 17

	Hazard Classification Code
	Date of Manufacture

PREPARED BY:



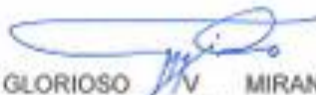
ROMEO E NORIEGA  
Major (OS) PA  
Chief, Firepower Branch

RECOMMENDED BY:



THEODORE L DIZON  
Colonel, GSC (OS) PA  
Chief

APPROVED BY:



GLORIOSO V MIRANDA  
Lieutenant General, AFP  
Acting Commanding General, PA

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TAP for Cartridge, 5.56mm, Blank  
PA TAP NR FAM – 19(Blank) – 03 – 17



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

MAY 21 2017

PA TAP NR FAM – 19(Blank) – 03 – 17

TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 5.56mm, Blank

I. REFERENCES:

- a. Technical Specifications for Ctg. 5.56, Blank (PA SPECS NR FAM – 19(Blank) – 03 – 17).
- b. ANZI/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- c. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.
- d. Military Standard 636, Subject: Visual Inspection Standard of Small Arms Ammunition through Ctg. Cal .50.
- e. Military Standard 644A, Subject: Visual Inspection Standard and Inspection Procedures for Inspection of Packaging, Packing and Markings of Small Arms Ammunition.

II. OBJECTIVES:

- a. To determine the functional reliability of the ammunition.
- b. To determine the stability of the ammunition when subjected to adverse field and storage conditions.
- c. To determine user safety when ammunition is fired in various environmental conditions.
- d. To ascertain compliance to standards and specifications.

III. GUIDELINES:

- a. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection.
- b. Technical inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the over-all workmanship, markings, color and appropriate packaging of the items.

AP

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TAP for Cartridge, 5.56mm, Blank  
PA TAP NR FAM – 19(Blank) – 03 – 17

c. Functional Test will be done to determine the functional performance of the ammunition.

d. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.

#### IV. PROCEDURES:

##### A. COMPLETENESS INSPECTION AND RANDOM SAMPLING:

The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower/ Pre-Delivery Inspection (PDI) Team shall check the completeness of the goods and conduct random sampling from the lot or lots. The samples shall be properly segregated, packed, marked and secured by the members. (See Para C – Allocation of Representative Samples)

##### B. TEST AND INSPECTION PARAMETERS:

###### b.1. VISUAL INSPECTION:

###### b.1.a. FOR THE PACKAGING:

**PURPOSE:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the packaging and its markings to ensure that said shall be free from defects and meet the requirements of the Philippine Army.

###### PROCEDURES:

- a. Visually check the inner, intermediate and outer packaging.
- b. Inspect the presence and appropriateness of the markings.
- c. Inspect for signs of deterioration, condition of handles, loose, missing or incorrect positioned parts.

###### STANDARDS:

- a. The quantity required should be complete, properly marked and packed including the required components/accessories.
- b. The inner, intermediate and outer packaging shall be free from defects as stated in the Types and Classifications of Defects- Visual Inspection-Packaging.

###### b.1.b. FOR THE CARTRIDGES:

**PURPOSE:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the cartridges and to ensure that said are free from defects and meet the requirements of the Philippine Army.



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*TAP for Cartridge, 5.56mm, Blank*  
*PA TAP NR FAM – 19(Blank) – 03 – 17*

**PROCEDURES:**

- a. The sample cartridges, its parts or components shall be visually inspected for its compliance on the physical/ material technical data requirement. X-Ray Fluorescence (XRF) spectrometers/ analysers or other appropriate instruments that will precisely identify the composition of the materials may be used.
- b. Inspect for the presence and appropriateness of markings.
- c. Each sample shall be examined for presence/ evidence of defects on workmanship.
- d. Record all observations.

**STANDARDS:**

- a. The physical/ material technical data of the cartridges shall conform to the required specifications.
- b. The cartridges shall be free from defects as stated in the **Types and Classifications of Defects- Visual Inspection- Cartridges.**

**b.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**PURPOSE:** This test shall be performed to determine compliance of the cartridges to the provided weight and dimensional requirements in the technical specifications and meet the requirements of the Philippine Army.

**PROCEDURES:**

- a. The sample cartridges, its parts or components shall be measured by using a weighing scale, go and no go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.
- b. Record the weight and measured dimensions.

**STANDARDS:**

- a. The lower and upper limits for the weight and dimension of the cartridges shall be the following:

Particulars	Minimum	Maximum
Round Weight	100 grains	119 grains
Round Length	47mm	57.40mm

- b. The cartridges shall be free from defects as stated in the **Types and Classifications of Defects- Weight and Dimensional Inspection.**

**b.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the ammunition will efficiently function and perform accordingly based on the established standards and



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TAP for Cartridge, 5.56mm, Blank  
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specifications when subjected to various methods of actuation simulating field usage and storage conditions.

#### 1. WATERPROOF TEST:

PURPOSE: This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

##### PROCEDURES:

- a. Immerse the sample cartridges in the water six (6) inches deep with positive internal pressure of 2 pounds per square inch (2 psi) for not less than fifteen (15) seconds.
- b. Observe for the formation of bubbles from the sample cartridges.
- c. Record all observations.

STANDARD: The cartridges shall not release more than one (1) bubble of air from the mouth of the case or from the primer or from both when subjected to a positive internal pressure of 2 pounds per square inch (2 psi).

#### 2. PRIMER SENSITIVITY TEST:

PURPOSE: This test shall be performed to ensure that the percussion primer sensitivity is within acceptable range to ensure reliable functioning.

##### PROCEDURES:

- a. Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .
- b. The steel ball shall be dropped from a height of 500mm onto the primed cartridge case.

STANDARD: All primers must fire when the steel ball is dropped from a height of 500mm.

#### 3. PRIMER INSENSITIVITY TEST:

PURPOSE: This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

##### PROCEDURES:

- a. Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .
- b. The steel ball shall be dropped from a height of 76mm onto the primed cartridge case.

STANDARD: All primers must not fire when the steel ball is dropped from a height of 76mm.



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*TAP for Cartridge, 5.56mm, Blank  
PA TAP NR FAM – 19(Blank) – 03 – 17*

#### 4. RESIDUAL STRESS TEST:

**PURPOSE:** This test shall be performed to determine the integrity of the cartridge case.

##### PROCEDURES:

- a. Immerse the sample cartridges in a 1% mercurous nitrate solution for 15 minutes.
- b. Rinse, clean and examine each sample cartridges after the required test period.
- c. Record the condition of every sample cartridges.

**STANDARD:** The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes.

#### 5. FUNCTION AND CASUALTY TEST:

**PURPOSE:** This test shall be performed to ascertain the complete functional of the ammunition and ensure that there shall be no malfunction when used in defined service weapon.

##### PROCEDURES:

- a. Sample cartridges conditioned at ambient temperature shall be fired using two (2) or more compatible weapons chambered for this type of ammunition.
- b. Collect all spent cartridge cases and inspect.
- c. Record all observations.

**STANDARD:** The sample cartridges shall function without casualty when fired at ambient temperature.

**C. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table – 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	REFERENCE
<b>A. Visual Inspection: (Representative samples)</b>		
1. For the Cartridges	100% of the quantity of samples indicated in Sampling Plan Tables	Para B of sampling plan table corresponding to the ammunition lot size based on ANZIASQ Z.1-2003 ML STD 105E ML STD 636
2. For the Packaging	Number of packaging where the inspected sample cartridges were taken.	Para A of sampling plan table based on ANZIASQ Z.1-2003ML STD 105E ML STD 644



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PA TAP NR FAM – 19(Blank) – 03 – 17*

B. Weight and Dimensional Inspection: (Representative samples)		
1. Round Weight 2. Round Length	100% of the quantity of samples indicated in Sampling Plan Tables	Para B of sampling plan table corresponding to the ammunition lot size based on ANZIASQ Z.1-2003/ ML STD 105E
C. Performance Tests: (Samples to undergo the test shall be taken from the representative samples that passed the Visual, Weight and Dimensional Inspection)		
1. Waterproof Test	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZIASQ Z.1-2003/ML STD 105E
2. Residual Stress	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	
3. Primer Sensitivity	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZIASQ Z.1-2003/ML STD 105E
4. Primer Insensitivity	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	
5. Function and Casualty Test	100% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZIASQ Z.1-2003/ML STD 105E

**D. MANUFACTURER'S QUALITY CONTROL CERTIFICATE:**

For every lot/s of ammunition that composed the procured quantity, the manufacturer shall submit the following quality control certificates for raw materials and major components used during manufacture/ assembly of the said ammunition lot/s:

1. That primers came from one (1) production lot.
2. That propellants came from one (1) production lot.
3. That cartridge case came from one (1) production lot.

**V. TYPES AND CLASSIFICATIONS OF DEFECTS:**

**TABLE – 2**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS		
	CRIT	MAJ	MIN
<b>A. Visual Inspection:</b>			
<b>1. For the Packaging:</b>			
- Carrying handle missing, incorrectly positioned, or in poor state		X	
- Box cannot be properly closed and secured		X	
- Incorrect, missing or illegible markings		X	
- Signs of damage, splits, breakage			X
- Severe dents, buckles or other damage			X



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- Adhesive sealing tape/ Protective coating damaged			X
- Quantity of boxes or number of cartridges per packaging requirement not complied			X
- Packaging material not according to specifications			X
<b>2. For the Cartridges:</b>			
- Corrosion or stain with etching		X	
- Discolored, dirty, oily, or smeared			X
<b>Case:</b>			
- Perforated case	X		
- Case Split in K, L or M location	X		
- Case mouth not crimped in cannellure		X	
- No evidence of mouth anneal		X	
- Draw scratch		X	
- Chamfer missing on head (nm)		X	
- Split case in I, S or J location		X	
- Scaly metal			X
- Fold, Wrinkle, Buckle or Bulge			X
- Head Stamp missing or illegible			X
- Defective head			X
- Defective mouth			X
- Case dented			X
<b>Primer:</b>			
- Primer missing	X		
- Primer Cocked	X		
- Primer inverted	X		
- Loose primer		X	
- Nicked or dented primer			X
- No waterproofing material (primer pocket point)			X
<b>B. Weight and Dimensional Inspection:</b>			
- Round weight not within 100 grains to 119 grains		X	
- Round length not within 47mm to 57.40mm		X	
<b>C. Performance Test:</b>			
- Case split or crack when subjected to one (1) percent mercurous nitrate solution		X	
- The cartridge released more than one bubble		X	
<b>D. Function and Casualty Test:</b>			
- Primer perforation		X	
- Loose primer		X	
- Blown primer		X	
- Cartridge case longitudinal split or crack	X		
- Circumferential rupture (complete)	X		
- Circumferential rupture (partial)		X	
- Misfired cartridge		X	
- Does not fit in the chamber		X	
- Premature firing	X		



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*TAP for Cartridge, 5.56mm, Blank  
PA TAP NR FAM – 19(Blank) – 03 – 17*

#### VI. ACCEPTANCE AND REJECTION:

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the attached Sampling Plan Tables for Visual Inspection, Weight and Dimensional Inspection, Performance Test, and Functional Test based on ANZ/ASQ Z14-2003: Sampling Procedures and Tables for Inspection by Attributes/MIL-STD 105E: Sampling Procedures and Tables for Inspection by Attributes dated 10 May 1989.

#### VII. RESULT:

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

RECOMMENDED BY:



ROMEO E NORIEGA  
Major, (OS) PA  
Chief, Firepower Branch

APPROVED BY:



THEODORE L. DIZON  
Colonel, GSC (OS) PA  
Chief

NOTED BY:



GLORIOSO V. MIRANDA  
Lieutenant General, AFP  
Acting Commanding General, PA

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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank  
 TS NR: ORDA05(BK-01)04-23

HEADQUARTERS  
 PHILIPPINE ARMY  
 Fort Andres Bonifacio, Metro Manila

TS NR: ORDA05(BK-01)04-23

AUG 03 2023

**TECHNICAL SPECIFICATIONS FOR  
 Cartridge, 7.62mm: Blank**

<b>Description:</b>	This blank cartridge is identified by a rose-petal (rosette crimp) closure of the cartridge case mouth that is used to simulate firing in training exercises
<b>Weapons Application:</b>	Rifle, 7.62mm: M14; DMR; L1A1 all equipped with blank firing adapter
<b>Technical Data:</b>	
<b>1. Length and Weight:</b>	
1.1. Round Length	62.5 – 69.5mm
1.2. Round Weight	Manufacturer's Standard
<b>2. Cartridge Case Material:</b>	Brass
<b>3. Primer:</b>	Percussion, Boxer Type
<b>4. Propellant Type:</b>	Smokeless Powder
4.1. Net Explosive Weight (NEW) per round	Manufacturer's Standard
<b>5. Packaging of the ammunition:</b>	
5.1. Inner	Carton Box (20 or 30 rounds/box)
5.2. Intermediate	M2A1 Metal box with tamper-proof seal
5.3. Outer	Wire Bounded Wooden box (Termite Treated) or Hard Plastic box with tamper-proof seal
<b>6. Markings:</b>	
6.1. Cartridge Case Headstamp	Manufacturer's Code Year of Manufacture (last 2 digits)
6.2. Inner Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Blk" Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production Name of Manufacturer Quantity per carton box Date of Manufacture



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank  
TS NR: ORDA05(BK-01)04-23



6.3. Intermediate Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Blk"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per metal box
	Date of Manufacture
6.4. Outer Packaging	"Philippine Army"
	"PH Government Property"
	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Blk"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total Net Explosive Weight
	Dimension
Hazard Classification Code	
Date of Manufacture	
<b>7. Performance:</b>	
7.1. Residual Stress Test	The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes
7.2. Waterproof	The blank cartridge shall not produce more than one (1) bubble from the mouth of the case or from the primer or from both when subjected to 50 kPa below atmospheric pressure for 30 seconds
7.3. Primer Sensitivity	The primers shall fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 500mm
7.4. Primer Insensitivity	The primers shall not fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 75mm
7.5. Noise Level	The noise level of the blank cartridge shall be according to the manufacturer's standard
7.6. Screen Perforation	The screen perforation requirement of the blank cartridge shall be according to the manufacturer's standard



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ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm, Blank  
TS NR: ORDA05(BK-01)04-23

7.7. Function and Casualty	The blank cartridge shall be free from defects as stated in the Types and Classification of Defects – Function and Casualty when fired using the weapon stated in the weapons application or its equivalent
8. Other Requirements:	
8.1. Technical Data Sheet	Required and placed inside every outer packaging

PREPARED BY:

  
**GIOVANNI D PEÑAFLORIDA JR**  
 Major (OS) PA  
 Chief, Firepower Branch, OACOCS

  
**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, PRB, OACOCS

RECOMMENDED BY:

  
**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS

APPROVED BY:

  
**ROMEO S BRAWNER JR**  
 General PA  
 Commanding General



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank  
TAP NR: ORDA05(BK-01)04-23



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

TAP NR: ORDA05(BK-01)04-23

AUG 03 2023

**TEST AND ACCEPTANCE PROCEDURE FOR**  
**Cartridge, 7.62mm: Blank**

**1. REFERENCES:**

- 1.1. Technical Specification for Cartridge, 7.62mm: Blank dated \_\_\_\_\_
- 1.2. Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.

**2. OBJECTIVES:**

- 2.1. To ascertain compliance to standards and specifications.
- 2.2. To determine the functionality and stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when the ammunition is fired in various environmental conditions.

**3. GUIDELINES:**

- 3.1. The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall ensure the conduct of test and inspection according to the prescribed procedures. Any clarification on the procedures shall be consulted to the Inspection Team.
- 3.2. Inspection of the item shall be conducted by the personnel who have **technical knowledge** relevant to the item to be inspected.
- 3.3. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection. (If the result is incomplete, do not proceed to the next step and terminate inspection.)
- 3.4. Tests and inspections will be conducted per production lot. Sample/s will be selected and must be representative of the entire lot under evaluation.
- 3.5. Inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the overall workmanship, markings, color and appropriate packaging of the items.
- 3.6. The samples to be used during the series of inspections and tests shall be over and above the quantity to be delivered.
- 3.7. All Manufacturer's Standard shall be provided with certification and be given to the inspection team prior the conduct of test/inspection.
- 3.8. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.
- 3.9. All measuring instruments shall be calibrated within 1-year prior the date of test and shall be supported with certification.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR: ORDA05(BK-01)04-23

**4. METHODOLOGY:**

**4.1.** This Test and Acceptance Procedure (TAP) is divided into four (4) phases:

**4.1.1. Completeness Inspection and Random Sampling Phase.** This phase shall cover the completeness inspection of the ammunition and random selection of representative samples.

**4.1.2. Physical, Visual, Weight and Dimensional Inspection Phase.** This phase shall cover the visual inspection of the packaging and ammunition in terms of overall workmanship, markings and material. Likewise, measurement of weight and dimensions shall be done in this phase.

**4.1.3. Performance Test Phase.** This phase shall cover the performance testing to determine the performance and functionality of the ammunition and its compliance to the standards.

**4.1.4. Validation and Evaluation of Documents Phase.** This phase shall cover the review and validation of the provided and submitted test certificates, tests results and manufacturer's standard specifications to determine compliance of the ammunition to the specifications and standards.

**5. PROCEDURES:**

**5.1. COMPLETENESS INSPECTION:**

**5.1.1. Purpose:** The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall check the completeness of the items to be delivered.

**5.1.2. Procedures:**

**5.1.2.1.** Physically count the completeness of the ammunition to be delivered. If the result is incomplete delivery, do not proceed to the next step and terminate inspection.

**5.1.2.2.** Randomly draw the samples and allocate sampling for the series of inspection and tests. (See Para 6 - Allocation of Representative Sample).

**5.1.2.3.** The samples shall be properly segregated, packed, marked and secured by the Inspection Team.

**5.1.2.4.** Pallets where the samples were taken shall be replenished, properly packed and sealed by the manufacturer and shall be marked by the TIAC.

**5.1.2.5.** Observations shall be recorded.

**5.1.3. Standard:** The ammunition to be delivered shall be complete.

**5.2. PHYSICAL, VISUAL, WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.1. PHYSICAL AND VISUAL INSPECTION:**

**5.2.1.1. FOR PACKAGING:**

**5.2.1.1.1. Purpose:** This non- destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR: CDRAGS/BR-01/04-23

the packaging to ensure that the inspected item shall be free from defects and meet the requirements.

**5.2.1.1.2. Procedures:**

**5.2.1.1.2.1.** Visually check the outer, intermediate and inner packaging to determine compliance on the physical and material requirements and secure a certification.

**5.2.1.1.2.2.** Inspect the presence and appropriateness of the markings.

**5.2.1.1.2.3.** Inspect for signs of deterioration and damage.

**5.2.1.1.2.4.** Observations shall be recorded.

**5.2.1.1.3. Standard:** The packaging shall be free from defects as stated in the **Types and Classifications of Defects- Physical and Visual Inspection- For the Packaging.**

**5.2.1.2. FOR THE CARTRIDGES:**

**5.2.1.2.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of the blank cartridge and ensure that it is in accordance with the requirements.

**5.2.1.2.2. Procedures:**

**5.2.1.2.2.1.** Visually inspect the sample blank cartridge to include its parts or components for its compliance on the physical and material requirement and secure a certification.

**5.2.1.2.2.2.** Inspect for the presence and appropriateness of markings.

**5.2.1.2.2.3.** Each sample shall be examined for presence or evidence of defect on workmanship.

**5.2.1.2.2.4.** Observations shall be recorded.

**5.2.1.2.3. Standard:** The blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Physical and Visual Inspection – For the Cartridges.**

**5.2.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.2.1. Purpose:** This test shall be performed to determine the compliance of the blank cartridge to the weight and dimension requirement.

**5.2.2.2. Procedures:**

**5.2.2.2.1.** The weight of the sample blank cartridges shall be measured by using a weighing scale or other appropriate measuring instruments.

**5.2.2.2.2.** The dimension of the sample blank cartridges shall be measured by using a go and no-go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

**5.2.2.2.3.** Measured weight and dimension shall be recorded.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank  
TAP NR: ORDAS/20K-01/04-23

**5.2.2.3. Standards:** The weight and dimension shall be according to specifications.

**5.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the blank cartridge will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**5.3.1. RESIDUAL STRESS TEST:**

**5.3.1.1. Purpose:** This test shall be performed to determine the integrity of the cartridge case.

**5.3.1.2. Procedures:**

**5.3.1.2.1.** Immerse the sample blank cartridges in a 1% mercurous nitrate solution for 15 minutes.

**5.3.1.2.2.** Rinse, clean and examine each sample cartridge after the required test period.

**5.3.1.2.3.** Record observations.

**5.3.1.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.2. WATERPROOF TEST:**

**5.3.2.1. Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

**5.3.2.2. Procedures:**

**5.3.2.2.1.** Immerse the sample blank cartridges in the water six (6) inches deep and applied pressure of 50 kPa below atmospheric pressure for 30 seconds.

**5.3.2.2.2.** Observe the formation of bubbles from the sample blank cartridges.

**5.3.2.2.3.** Record all observations.

**5.3.2.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.3. PRIMER SENSITIVITY TEST:**

**5.3.3.1. Purpose:** This test shall be performed to determine the reliability of the percussion primer and ensure that its sensitivity is within the acceptable range.

**5.3.3.2. Procedures:**

**5.3.3.2.1.** The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

**5.3.3.2.2.** The steel ball shall be dropped from a height of 500mm to the primed cartridge case.



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**ARMY 2040: WORLD-CLASS, MULTI-MISSION READY, CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank  
TAP NR: ORDA55(2K-01)04-23

5.3.3.2.3. Results and observations shall be recorded.

5.3.3.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.4. PRIMER INSENSITIVITY TEST:**

5.3.4.1. **Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

**5.3.4.2. Procedures:**

5.3.4.2.1. The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

5.3.4.2.2. The steel ball shall be dropped from a height of 75mm to the primed cartridge case.

5.3.4.2.3. Results and observations shall be recorded.

5.3.4.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.5. NOISE LEVEL TEST:**

5.3.5.1. **Purpose:** This test shall be performed to determine if the sound produced by the blank cartridge during firing falls within the specified standard.

**5.3.5.2. Procedures:**

5.3.5.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.

5.3.5.2.2. A suitable firing room shall be designated.

5.3.5.2.3. An observer must be stationed near the noise level meter or equivalent instrument to ensure full observation of the result.

5.3.5.2.4. Using any applicable procedure in accordance to the standard of the manufacturer, the noise level of the blank cartridge shall be measured using a noise level meter or equivalent instrument.

5.3.5.2.5. Results and observations shall be recorded.

5.3.5.2.6. This test may be done simultaneously with the Screen Perforation Test and Function and Casualty Test.

**5.3.5.3. Standards:**

5.3.5.3.1. Performance of the sample blank cartridge shall be according to specification.

5.3.5.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

**5.3.6. SCREEN PERFORATION TEST:**

5.3.6.1. **Purpose:** This test shall be performed to determine if the wads or fragments will perforate the specified target paper placed in line of fire at a specified distance from the muzzle of the weapon.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR: ORDA05(BK-01)04-23

**5.3.6.2. Procedures:**

5.3.6.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.

5.3.6.2.2. A suitable firing range shall be designated.

5.3.6.2.3. Prepare the specified target paper in accordance to the standard of the manufacturer stretched tightly on the target screen.

5.3.6.2.4. Placed the target paper at a specified distance in accordance to the standard of the manufacturer from the muzzle of the weapon directly to the line of fire.

5.3.6.2.5. Using any applicable procedure in accordance to the standard of the manufacturer, the blank cartridge shall be fired to the targets and observed if there are perforations cause by wads or fragments.

5.3.6.2.6. Results and observations shall be recorded.

5.3.6.2.7. This test may be done simultaneously with the Noise Level Test and Function and Casualty Test.

**5.3.6.3. Standards:**

5.3.6.3.1. Performance of the sample blank cartridge shall be according to specification.

5.3.6.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

**5.3.7. FUNCTION AND CASUALTY TEST:**

5.3.7.1. **Purpose:** This test shall be performed to ascertain the complete functional performance of the blank cartridge and ensure that there shall be no malfunction attributed to the blank cartridge.

**5.3.7.2. Procedures:**

5.3.7.2.1. The sample blank cartridge conditioned at ambient temperature shall be fired using two (2) or more weapons stated in the weapons application or its equivalent.

5.3.7.2.2. Collect all spent cartridge cases and inspect.

5.3.7.2.3. Result and observations shall be recorded.

5.3.7.3. **Standard:** The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

**5.4. TEST CERTIFICATES AND OTHER DOCUMENTATIONS:**

5.4.1. In this phase, certified test results to include certifications but not limited to the following shall be secured, reviewed and validated by the Inspection Team:

5.4.1.1. Round Length

5.4.1.2. Round Weight

5.4.1.3. Cartridge Case Material

5.4.1.4. Primer Type

5.4.1.5. Propellant Type

5.4.1.6. Net Explosive Weight per cartridge

5.4.1.7. Metallic Link Type

5.4.1.8. Metal Box Type (Inner Packaging)



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
 TAP NR. ORDA25(BK-01)04-23

- 5.4.1.9. Date of Manufacture of the ammunition
- 5.4.1.10. All performance specifications

**6. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table- 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	CRITERIA
<b>A. Physical and Visual Inspection: (Representative samples)</b>		
1. For the Packaging	100% of the quantity of samples indicated in Table 1 – For Visual Inspection of Packaging corresponding to the total number of packaging for lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018
2. For the Cartridge	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018
<b>B. Weight and Dimensional Inspection: (Representative Sample)</b>		
1. Round Length 2. Round Weight	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018
<b>C. Performance Tests: (Samples to undergo the test shall be taken from the representative samples that passed the Physical, Visual, Weight and Dimensional Inspection)</b>		
1. Residual Stress Test	50 rounds	Note 1
2. Waterproof Test	20 rounds	Note 2
3. Primer Sensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018.
4. Primer Insensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018.
5. Noise Level Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018.
6. Screen Perforation Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm) dated 20 August 2018.
7. Function and Casualty Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg, Cal



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR. ORDA05(BK-01)04-23

Tests of Ammunition corresponding to the lot size	22 up to Ctg. 30mm) dated 20 August 2018.
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**Notes:**

1 - (a) If any cartridge is found to have crack/s or split/s in its case other than the "I" area, the lot will be rejected.

(b) If crack/s or split/s is found in the "I" area of the case, following will apply:

- If one (1) or two (2) cartridge/s in the first sample are found to have crack/s or split/s, the lot will be accepted;
- If three (3) cartridges in the first sample are found to have crack/s or split/s, a retest will be conducted on the second sample consisting of twice the number as the first sample. If the second sample is found to be free from crack/s or split/s, the lot will be accepted;
- If four (4) or more cartridges in the first sample are found to have crack/s or split/s, the lot will be rejected.

(c) In the event that the crack/s or split/s is found in the "I" area extending in the other areas of the case, Note 1(a) will apply. (See Figure 1 – Location of Defects)

2 - Failure of nine (9) or more cartridges to comply with the standard shall cause rejection of the lot. If four (4) cartridges or less fail in the first test, the lot will be accepted. If more than four (4) but less than nine (9) cartridges fail in the first test, a second sample consisting of twice the number of cartridges as the first sample will be tested. The lot shall be rejected if, in the combined first and second samples, nine (9) or more cartridges fail to comply with the standard.

**7. TYPES AND CLASSIFICATION OF DEFECTS:**

Table- 2

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS	
	MAJ	MIN
7.1. Physical and Visual Inspection:		
7.1.1. For the Packaging:		
7.1.1.1. Material not according to specification	X	
7.1.1.2. No provision of packaging as stated in the specifications	X	
7.1.1.3. Damaged, missing and incorrectly positioned parts		X
7.1.1.4. Incorrect, missing or illegible markings		X
7.1.1.5. Evidence of poor workmanship		X
7.1.2. For the Cartridges:		
7.1.2.1. Corrosion or stain with etching	X	
7.1.2.2. Discolored, dirty, oily, or smeared		X
7.1.2.3. Case:		
7.1.2.3.1. Perforated case	X	
7.1.2.3.2. Case split on K, L or M location	X	
7.1.2.3.3. Case material not according to specification	X	



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
 TAP NR. DRDA05(BK-01)04-23

7.1.2.3.4.	Case mouth (rosette) crimp defective or missing	X	
7.1.2.3.5.	No evidence of mouth anneals	X	
7.1.2.3.6.	Draw scratch	X	
7.1.2.3.7.	Chamfer missing on head (rim)	X	
7.1.2.3.8.	Case split on I, S or J location	X	
7.1.2.3.9.	Beveled underside of head	X	
7.1.2.3.10.	Scaly metal		X
7.1.2.3.11.	Fold, wrinkle, buckle or bulge		X
7.1.2.3.12.	Headstamp incomplete, missing or illegible		X
7.1.2.3.13.	Defective head		X
7.1.2.3.14.	Defective mouth		X
7.1.2.3.15.	Case dented		X
7.1.2.4.	<b>Primer:</b>		
7.1.2.4.1.	Primer missing	X	
7.1.2.4.2.	Primer cocked	X	
7.1.2.4.3.	Primer inverted	X	
7.1.2.4.4.	Primer type not according to specification	X	
7.1.2.4.5.	Loose Primer	X	
7.1.2.4.6.	Nicked or dented primer		X
7.1.2.4.7.	No waterproofing material (primer pocket point)		X
7.1.2.5.	<b>Propelling Charge:</b>		
7.1.2.5.1.	Propelling charge not according to specification	X	
7.2.	<b>Weight and Dimensional Inspection:</b>		
7.2.1.	Round length not according to specification	X	
7.2.2.	Round weight not according to specification	X	
7.3.	<b>Performance:</b>		
7.3.1.	Primer sensitivity requirement not according to specification	X	
7.3.2.	Primer insensitivity requirement not according to specification	X	
7.3.3.	Noise level requirement not according to specification	X	
7.3.4.	Screen perforation requirement not according to specification	X	
7.3.5.	<b>Function and Casualty:</b>		
7.3.5.1.	Misfire	X	
7.3.5.2.	Hang Fire	X	
7.3.5.3.	Perforation in firing pin indent in primer cup	X	
7.3.5.4.	Other defects that will likely result to unsafe conditions	X	
7.3.5.5.	Blown or dropped primer out of pocket	X	
7.3.5.6.	Loose primer, but remains in pocket	X	
7.3.5.7.	Escape of gas around primer cup		X
7.3.5.8.	Failure to extract	X	
7.3.5.9.	Other ammunition defect that is likely to result in failure of the weapon	X	
7.3.5.10.	<b>Cartridge Case (Refer to Figure 1)</b>		
7.3.5.10.1.	Cartridge case longitudinal split (to head - L)	X	
7.3.5.10.2.	Cartridge case longitudinal split (through head - M)	X	
7.3.5.10.3.	Circumferential rupture (partial, shoulder or body - J, K, L and S)	X	
7.3.5.10.4.	Circumferential rupture (complete)	X	



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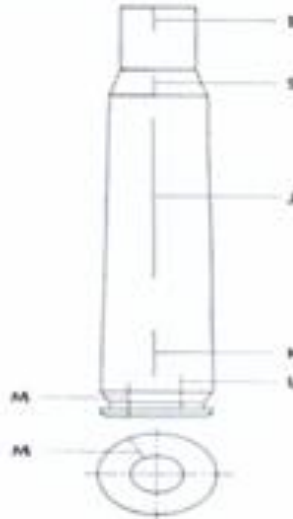


**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR: ORDA05(BK-01)04-23

7.3.5.10.5. Cartridge case longitudinal split (body - J or K)	X	
7.3.5.10.6. Cartridge case longitudinal split (neck and shoulder - I or S)	X	

Figure 1 – Location of Defects



**Note:** A defect is any nonconformance of a single unit of product (Cartridge) with respect to a given standard specification. Every nonconformance observed or noted in every cartridge shall be counted individually as one defect.

**8. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

  
**GIOVANNI D PEÑAFLORIDA JR**  
 Major (OS) PA  
 Chief, Firepower Branch

  
**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, Plans & Research Branch

**APPROVED BY:**

  
**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS



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TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm: Blank, Linked  
PA SPECS NR FAM – 19(BL) – 12 – 19



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

PA SPECS NR FAM – 19(BL) – 12 – 19

JAN 17 2020

**TECHNICAL SPECIFICATIONS FOR**  
**Cartridge, 5.56mm: Blank, Linked**

1. Description:	This linked cartridge is identified by a rose-petal (rosette-crimp) closure of the cartridge case mouth used for simulated firing in training exercises
2. Weapons Application:	SAW, 5.56mm: M249, SAW, 5.56mm: K3
3. Dimension and Weight:	
3.1. Round Weight	Manufacturer's Standard
3.2. Round Length	47.00 – 57.40mm
4. Primer Type:	Percussion
5. Cartridge Case:	Brass
6. Propelling Charge:	Manufacturer's Standard
7. Link:	Metallic, Disintegrating
8. Performance Characteristics:	
8.1. Waterproofness	Cartridge shall not release more than 1 bubble of air from the mouth of the case or from the primer or both when subjected to internal pressure of 2 psi
8.2. Primer Sensitivity	Primer shall fire when dropped by a 112±0.5g steel ball from a height of 500mm
8.3. Primer Insensitivity	Primer shall not fire when dropped by a 112±0.5g steel ball from a height of 76mm
8.4. Screen Perforation	Cartridge when fired with BFA shall not cause perforation of greater than 0.1 inch in diameter in a paper screen placed 15 feet from the muzzle
8.5. Cyclic Rate	650-950 rpm
8.6. Function and Casualty	Cartridge shall be free from defects when fired from a standard weapon as specified in the weapons application
8.7. Metallic Link Corrosion Resistance	Links shall be free from rust or corrosion after being subjected to Salt Spray Test for 24 hrs
9. Packaging:	
9.1. Inner	200 Linked cartridges inside plastic feedbox



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TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm: Blank, Linked  
PA SPECS NR FAM – 19(BL) – 12 – 19

9.2. Intermediate	4 Feedbox inside a metal box with tamper proof seal
9.3. Outer	2 Metal boxes inside wire bound wooden box (termite resistant) or hard plastic box with tamper proof seal
<b>10. Markings:</b>	Note: Highlighted entries must be indicated as such
10.1. Cartridge Case Head Stamp	Manufacturer's Code Year of Manufacture (last 2 digits)
10.2. Intermediate Packaging	Nomenclature (Ctg, 5.56mm: Blank, Linked) Lot Number (Indicating Manufacturer's Code, Year and month of Production) Quantity per box
10.3. Outer Packaging	Philippine Army PH Government Property Nomenclature (Ctg, 5.56mm: Blank, Linked) Lot Number (Indicating Manufacturer's Code, Year and month of Production) Manufacturer Quantity per box Weight (Gross) Dimension Hazard classification code

PREPARED BY:

  
DARCEL P MARIANO  
Major, (OS) PA  
Chief, PRB

  
JAY CHRISTIAN M DEGUIA  
Major, (OS) PA  
Chief, FPB

RECOMMENDED BY:

  
FLORANTE P SISON  
Colonel, MNSA PA  
Chief

APPROVED BY:

  
GILBERT I GAPAY  
Lieutenant General, AFP  
Commanding General

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TAP for Cartridge, 5.56mm: Blank, Linked  
PA TAP NR FAM – 19(BL) – 12 – 19



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

PA TAP NR FAM – 19(BL) – 12 – 19

JAN 17 2020

TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 5.56mm: Blank, Linked

1. REFERENCES:

- 1.1. Technical Specifications for Ctg. 5.56mm: Blank, Linked dated \_\_\_\_\_.
- 1.2. ANZ/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- 1.3. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.
- 1.4. Military Standard 636, Subject: Visual Inspection Standard of Small Arms Ammunition through Ctg. Cal .50.
- 1.5. Military Specification for Ctg. 5.56mm, Blank, M200A1 MIL-C-70724 (AR) dated 22 October 1992.

2. OBJECTIVES:

- 2.1. To determine the functional reliability of the ammunition.
- 2.2. To determine the stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when ammunition is fired in various environmental conditions.
- 2.4. To ascertain compliance to standards and specifications.

3. GUIDELINES:

- 3.1. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection.
- 3.2. Technical inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the over-all workmanship, markings, color and appropriate packaging of the items.
- 3.3. Functional Test will be done to determine the functional performance of the ammunition.
- 3.4. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.

4. PROCEDURES:

4.1. COMPLETENESS INSPECTION AND RANDOM SAMPLING:

The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower/ Pre-Delivery Inspection (PDI) Team shall check the completeness of the goods and conduct random sampling from the lot or lots. The samples shall be properly segregated, packed, marked and secured by the members. (See Para 4.3. – Allocation of Representative Samples)



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TAP for Cartridge, 5.56mm: Blank, Linked  
PA TAP NR FAM – 19(BL) – 12 – 19

#### 4.2. TEST AND INSPECTION PARAMETERS:

##### 4.2.1. VISUAL INSPECTION:

##### 4.2.1.1. FOR THE PACKAGING:

**4.2.1.1.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the packaging and its markings to ensure that said items shall be free from defects and meet the requirements of the Philippine Army.

##### 4.2.1.1.2. Procedures:

**4.2.1.1.2.1.** Visually check the packaging.

**4.2.1.1.2.2.** Inspect the presence and appropriateness of the markings.

**4.2.1.1.2.3.** Inspect for signs of deterioration, condition of handles, loose, missing or incorrect positioned parts.

##### 4.2.1.1.3. Standards:

**4.2.1.1.3.1.** The quantity required should be complete, properly marked and packed including the required components/accessories.

**4.2.1.1.3.2.** The packaging shall be free from defects as stated in the Types and Classifications of Defects- Visual Inspection- Packaging.

##### 4.2.1.2. FOR THE CARTRIDGES:

**4.2.1.2.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the cartridges and to ensure that said cartridges are free from defects and meet the requirements of the Philippine Army.

##### 4.2.1.2.2. Procedures:

**4.2.1.2.2.1.** The sample cartridges, its parts or components shall be visually inspected for its compliance on the physical/ material technical data requirement. X-Ray Fluorescence (XRF) spectrometers/ analyzers or other appropriate instruments that will precisely identify the composition of the materials may be used.

**4.2.1.2.2.2.** Inspect for the presence and appropriateness of markings.

**4.2.1.2.2.3.** Each sample shall be examined for presence/ evidence of defects on workmanship.

##### 4.2.1.2.3. Standards:

**4.2.1.2.3.1.** The physical/material technical data of the cartridges shall conform to the required specifications.

**4.2.1.2.3.2.** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Visual Inspection- Cartridges.

##### 4.2.2. WEIGHT AND DIMENSIONAL INSPECTION:

**4.2.2.1. Purpose:** This test shall be performed to determine compliance of the cartridges to the provided weight and dimensional requirements in the technical specifications and meet the requirements of the Philippine Army.

##### 4.2.2.2. Procedures:

**4.2.2.2.1.** The sample cartridges, its parts or components shall be measured by using a weighing scale, go and no go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

**4.2.2.2.2.** Record the weight and measured dimensions.



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TAP for Cartridges, 5.56mm: Blank, Linked  
PA TAP NR FAM – 18(1E) – 12 – 19

**4.2.2.3. Standard:** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Weight and Dimensional Inspection.

#### 4.2.3. PERFORMANCE TESTS:

A series of tests shall be performed to ensure that the ammunition will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

##### 4.2.3.1. WATERPROOF TEST:

**4.2.3.1.1. Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

##### 4.2.3.1.2. Procedures:

**4.2.3.1.2.1.** Immerse the sample cartridges in the water six (6) inches deep with positive internal pressure of 2 pounds per square inch (2 psi) for not less than fifteen (15) seconds.

**4.2.3.1.2.2.** Observe for the formation of bubbles from the sample cartridges.

**4.2.3.1.2.3.** Record all observations.

**4.2.3.1.3. Standard:** Performance of the sample cartridge shall be according to specification.

##### 4.2.3.2. PRIMER SENSITIVITY TEST:

**4.2.3.2.1. Purpose:** This test shall be performed to ensure that the percussion primer sensitivity is within acceptable range to ensure reliable functioning.

##### 4.2.3.2.2. Procedures:

**4.2.3.2.2.1.** Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .

**4.2.3.2.2.2.** The steel ball shall be dropped from a height of 500mm onto the primed cartridge case.

**4.2.3.2.2.3.** Record all observations.

**4.2.3.2.3. Standard:** Performance of the sample cartridge shall be according to specification.

##### 4.2.3.3. PRIMER INSENSITIVITY TEST:

**4.2.3.3.1. Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

##### 4.2.3.3.2. Procedures:

**4.2.3.3.2.1.** Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .

**4.2.3.3.2.2.** The steel ball shall be dropped from a height of 76mm onto the primed cartridge case.

**4.2.3.3.2.3.** Record all observations.

**4.2.3.3.3. Standard:** Performance of the sample cartridge shall be according to specification.



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#### 4.2.3.4. SCREEN PERFORATION TEST:

4.2.3.4.1. **Purpose:** This test shall be performed to ascertain that the ammunition will not cause serious injury at a specified distance from the muzzle.

##### 4.2.3.4.2. Procedures:

4.2.3.4.2.1. Sample cartridges conditioned at ambient temperature shall be fired using two (2) or more weapons for this type of ammunition in the following mode of firing.

4.2.3.4.2.2. A paper sheet (4x4 ft minimum) shall be stretched tightly over a rigid frame of the same size and shall be placed at a specified distance from the weapon.

4.2.3.4.2.3. Sample cartridge shall be fired with the BFA orifice perpendicular to the target.

4.2.3.4.2.4. Record all observations.

4.2.3.4.2.5. This test may be carried out simultaneously with the cyclic rate and function and casualty test.

##### 4.2.3.4.3. Standard:

4.2.3.4.3.1. Performance of the sample cartridge shall be according to specification.

4.2.3.4.3.2. The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

#### 4.2.3.5. CYCLIC RATE TEST:

4.2.3.5.1. **Purpose:** To determine the rate of fire of the weapon when fired in full-automatic mode.

##### 4.2.3.5.2. Procedures:

4.2.3.5.2.1. Place the weapon on a rifle rest or equivalent.

4.2.3.5.2.2. One hundred (100) rounds shall be fired using a standard weapon specified in the weapons application for warming.

4.2.3.5.2.3. One hundred (100) rounds shall be fired in full-automatic mode.

4.2.3.5.2.4. Using an electronic timer or stopwatch, record time.

4.2.3.5.2.5. Compute the CRF using the formula:

$$\text{CRF} = \frac{\text{Number of rounds fired}}{\text{Time consumed (in minutes)}}$$

4.2.3.5.2.6. Three (3) trials shall be performed and the average CRF shall be computed.

##### 4.2.3.5.3. Standard:

4.2.3.5.3.1. Performance of the sample cartridge shall be according to specification.

4.2.3.5.3.2. The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

#### 4.2.3.6. FUNCTION AND CASUALTY TEST:

4.2.3.6.1. **Purpose:** This test shall be performed to ascertain the complete functionality of the ammunition and feedbox to ensure that there shall be no malfunction when fired from a standard weapon as specified in the Weapons Application.



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**4.2.3.6.2. Procedures:**

4.2.3.6.2.1. Sample cartridges conditioned at ambient temperature shall be fired with the feed box using two (2) or more weapons for this type of ammunition in the following mode of firing.

Nr of Rounds	Mode of Fire
100	Burst of 3-5 rds
100	Continues fire

4.2.3.6.2.2. Collect all spent cartridge cases and inspect.

4.2.3.6.2.3. Record all observations.

4.2.3.6.2.4. This test may be carried out simultaneously with the cyclic rate and screen perforation test.

4.2.3.6.3. **Standard:** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

**4.2.3.7. METALLIC LINK CORROSION TEST:**

4.2.3.7.1. **Purpose:** The test shall be performed to determine that the metallic links are corrosion protected and conform to standards of the required type/model.

**4.2.3.7.2. Procedures:**

4.2.3.7.2.1. Samples of Metallic Links shall be subjected to Salt Spray Test for twenty-four (24) hours per procedure in ASTM B117 (Fog Test).

4.2.3.7.2.2. After the required test period, inspect all metallic link samples.

4.2.3.7.2.3. Record all observations.

4.2.3.7.3. **Standard:** Performance of the sample link shall be according to specification.

**4.3. ALLOCATION AND CRITERIA FOR REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	ACCEPTANCE CRITERIA
<b>A. Visual Inspection:</b>		
1. For the Packaging	100% of the Quantity of samples indicated in Para A tables corresponding to the total number of packaging for lot size.	Sampling Plan for Test and Acceptance of Ammunition for Small Arms Ammunition-Ctg. Cal .22 up to Ctg. 30mm (Attached)
2. For the Cartridges	100% of the Quantity of samples indicated in Para B tables corresponding to the lot size.	
<b>B. Weight and Dimensional Inspection:</b>		
1. Round Weight 2. Round Length	100% of the Quantity of samples indicated in Para B tables corresponding to the ammunition lot size.	Sampling Plan for Test and Acceptance of Ammunition (For Small Arms Ammunition-Ctg. Cal .22 up to Ctg. 30mm)
<b>C. Functional and Performance Tests:</b>		
1. Waterproof Test	20 rounds	Note 1
2. Primer Sensitivity Test	20 rounds	Note 1
3. Primer Insensitivity Test	20 rounds	Note 1
4. Screen perforation Test	100 rounds	Note 1



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5. Cyclic Rate Test	300 rounds	Note 2 & 3
6. Function and Casualty Test	200 rounds	Note 3
7. Metallic Link Corrosion Test	60 links	Note 1

**Note:**

1 - Failure of two or more cartridges/links to comply with the applicable standard shall be cause for rejection of the lot. If one cartridge/link fails in the first test, a second sample shall be tested. If any failing cartridge/link are found in the second sample, the lot shall be rejected

2 - Failure of the cartridges to comply with the applicable requirement shall be cause for rejection of the lot subject to the testing of second sample. Failure of the cartridges in the second sample to comply with the applicable requirement shall be cause for rejection of the lot

3 - Use criteria on Table 2. All defects from Table 3C observed in function and casualty plus all other firing test conducted shall be considered.

**Table 2 – Acceptance and Rejection Number for Firing Defects**

Classification of defects	1 <sup>st</sup> sampling		1 <sup>st</sup> and 2 <sup>nd</sup> Sampling	
	Accept	Reject	Accept	Reject
Critical	0	1	-	-
Major	3	7	8	9
Minor	5	9	12	13

**5. TYPES AND CLASSIFICATIONS OF DEFECTS:**

**Table 3**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS		
	CRIT	MAJ	MIN
<b>A. Visual Inspection Defects:</b>			
<b>1. For the Packaging:</b>			
- Incorrect, incomplete, missing or illegible marking		X	
- Damaged, missing or incorrectly positioned parts			X
- Required number of cartridges per packaging not according to specification			X
- Packaging material not according to specifications			X
<b>2. For the Cartridges:</b>			
<b>Case:</b>			
- Perforated case		X	
- Split		X	
- Case material not according to specification		X	
- Beveled Underside of head		X	
- Identification Knurl missing		X	
- Mouth water proofing missing		X	
- Mouth crimp missing or incorrect		X	
- Corroded or stained if etched			X
- Discolored, dirty, oily or smeared			X
- Draw scratch			X
- Chamfer on head (rim) missing			X
- Scaly metal			X
- Fold, wrinkle, buckle or bulge			X
- Head stamp incomplete, missing, incorrect or illegible			X
- Defective or round head			X



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TAP for Cartridge, 5.56mm: Blank, Linked  
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- Dent			X
<b>Primer:</b>			
- Primer missing		X	
- Primer cocked		X	
- Primer inverted		X	
- Primer type not according to specification		X	
- Primer loose		X	
- Nicked or dented primer			X
- No waterproofing material (primer pocket point)			X
- Defective primer crimp			X
<b>Propelling Charge:</b>			
- Propelling charge not according to specification		X	
<b>Link</b>			
- Link not according to specification		X	
- Frozen, stretched or broken, malformed or unaligned belt		X	
- Other defects that may affect the function of the belt		X	
<b>B. Weight and Dimension:</b>			
- Round weight not within specification		X	
- Round length not within the specification		X	
<b>C. Firing Defects:</b>			
- BFA blockage	X		
- Complete or partial rupture (locations S, J, K, L)	X		
- Detached material (upon firing)	X		
- Burn through	X		
- Siamfire	X		
- Misfire	X		
- Hazardous breech flash or sparks	X		
- Other defects that will likely result to unsafe conditions	X		
- Misfire		X	
- Blown/dropped primer		X	
- Split body or head (J, K, L or M location)		X	
- Gas leak at body/ head interface		X	
- Uncontrolled fire		X	
- Breech flash		X	
- Other major defect that is not critical but is likely to result in failure of the round or weapon		X	
- Malfunction attributable to feedbox		X	
- Split (S location)			X
- Gas leak through or around primer cup			X
- Detached material (upon extraction)			X
- Stoppage (attributable to ammunition)			X
- Other minor defect that is likely to reduce materially the usability of the round or weapon for its intended purpose			X



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TAP for Cartridge, 5.56mm: Blank, Linked  
PA TAP NR FAM - 19(BL) - 12 - 19



6. ACCEPTANCE AND REJECTION:

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the attached Sampling Plan Tables for Visual Inspection, Weight and Dimensional Inspection based on ANZ/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes/MIL-STD 105E: Sampling Procedures and Tables for Inspection by Attributes dated 10 May 1989. Acceptance criteria for other weight & dimensional, Functional and Performance Tests are based on notes 1-5 under Allocation of Representative Samples.

7. RESULT:

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

PREPARED BY:

*[Signature]*  
DARREL P MARIANO  
Major, (OS) PA  
Chief, PRB

*[Signature]*  
JAY CHRISTIAN M DEGUIA  
Major, (OS) PA  
Chief, FPB

APPROVED BY:

*[Signature]*  
FLORANTE P SISON  
Colonel, MNSA PA  
Chief



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank, Linked  
TS NR: ORDA05(BKL-00)04-23

**HEADQUARTERS  
PHILIPPINE ARMY**  
Fort Andres Bonifacio, Metro Manila

TS NR: ORDA05(BKL-00)04-23

AUG 03 2023

**TECHNICAL SPECIFICATIONS FOR  
Cartridge, 7.62mm: Blank, Linked**

<b>Description:</b>	This linked blank cartridge is identified by a rose-petal (rosette crimp) closure of the cartridge case mouth that is used to simulate firing in training exercises
<b>Weapons Application:</b>	LMG, 7.62mm: M60 Series; M240 Series; L1A2 all equipped with blank firing adapter
<b>Technical Data:</b>	
<b>1. Length and Weight:</b>	
1.1. Round Length	62.5 – 69.5mm
1.2. Round Weight	Manufacturer's Standard
<b>2. Cartridge Case Material:</b>	Brass
<b>3. Primer:</b>	Percussion, Boxer Type
<b>4. Propellant Type:</b>	Smokeless Powder
5.1. Net Explosive Weight (NEW) per round	Manufacturer's Standard
<b>5. Metallic Link:</b>	M13 or equivalent
<b>6. Packaging of the ammunition:</b>	
6.1. Inner	M2A1 Metal box with tamper-proof seal
6.2. Outer	Wooden box (Termite Treated) or Hard Plastic box or Metal box with tamper-proof seal
<b>7. Markings:</b>	
7.1. Cartridge Case Headstamp	Manufacturer's Code Year of Manufacture (last 2 digits)
7.2. Inner Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank, Linked or Ctg, 7.62mm: Blk, Lkd" Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production Name of Manufacturer Quantity per carton box Date of Manufacture



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank, Linked  
 TS NR: ORDA05/BKL-0004-23

7.3. Outer Packaging	"Philippine Army"
	"PH Government Property"
	Standard Nomenclature "Cartridge, 7.62mm: Blank, Linked or Ctg, 7.62mm: Blk, Lkd"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total Net Explosive Weight
	Dimension
	Hazard Classification Code
Date of Manufacture	
<b>8. Performance:</b>	
8.1. Residual Stress Test	The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes
8.2. Waterproof	The blank cartridge shall not produce more than one (1) bubble from the mouth of the case or from the primer or from both when subjected to 50 kPa below atmospheric pressure for 30 seconds
8.3. Primer Sensitivity	The primers shall fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 500mm
8.4. Primer Insensitivity	The primers shall not fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 75mm
8.5. Noise Level	The noise level of the blank cartridge shall be according to the manufacturer's standard
8.6. Screen Perforation	The screen perforation requirement of the blank cartridge shall be according to the manufacturer's standard
8.7. Function and Casualty	The blank cartridge shall be free from defects as stated in the Types and Classification of Defects – Function and Casualty when fired using the weapon stated in the weapons application or its equivalent



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm Blank, Linked  
TS NR: ORDA05/BAK-0004-23

8.8. Metallic Link Corrosion Resistance	The metallic links shall be free from rust or corrosion after being subjected to salt spray/fog test for a minimum of 48 hours
9. Other Requirements:	
9.1. Technical Data Sheet	Required and placed inside every outer packaging

**PREPARED BY:**

  
**GIOVANNI D PEÑAFLORES JR**  
 Major (OS) PA  
 Chief, Firepower Branch, OACOCS

  
**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, PRB, OACOCS

**RECOMMENDED BY:**

  
**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS

**APPROVED BY:**

  
**ROMEO S BRAWNER JR**  
 General PA  
 Commanding General

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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank, Linked  
TAP NR: ORDA05(BKL-00)04-23



**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE**  
*Fort Andres Bonifacio, Metro Manila*

TAP NR: ORDA05(BKL-00)04-23

ALLG 03 2023

**TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 7.62mm: Blank, Linked**

**1. REFERENCES:**

- 1.1. Technical Specification for Cartridge, 7.62mm: Blank, Linked dated \_\_\_\_\_
- 1.2. Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.

**2. OBJECTIVES:**

- 2.1. To ascertain compliance to standards and specifications.
- 2.2. To determine the functionality and stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when the ammunition is fired in various environmental conditions.

**3. GUIDELINES:**

- 3.1. The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall ensure the conduct of test and inspection according to the prescribed procedures. Any clarification on the procedures shall be consulted to the Inspection Team.
- 3.2. Inspection of the item shall be conducted by the personnel who have **technical knowledge** relevant to the item to be inspected.
- 3.3. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection. (If the result is incomplete, do not proceed to the next step and terminate inspection.)
- 3.4. Tests and inspections will be conducted per production lot. Sample/s will be selected and must be representative of the entire lot under evaluation.
- 3.5. Inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the overall workmanship, markings, color and appropriate packaging of the items.
- 3.6. The samples to be used during the series of inspections and tests shall be over and above the quantity to be delivered.
- 3.7. All Manufacturer's Standard shall be provided with certification and be given to the inspection team prior the conduct of test/inspection.
- 3.8. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.
- 3.9. All measuring instruments shall be calibrated within 1-year prior the date of test and shall be supported with certification.



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## ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
TAP NR: ORDA05(BKL-0004-23)

### 4. METHODOLOGY:

4.1. This Test and Acceptance Procedure (TAP) is divided into four (4) phases:

**4.1.1. Completeness Inspection and Random Sampling Phase.** This phase shall cover the completeness inspection of the ammunition and random selection of representative samples.

**4.1.2. Physical, Visual, Weight and Dimensional Inspection Phase.** This phase shall cover the visual inspection of the packaging and ammunition in terms of overall workmanship, markings and material. Likewise, measurement of weight and dimensions shall be done in this phase.

**4.1.3. Performance Test Phase.** This phase shall cover the performance testing to determine the performance and functionality of the ammunition and its compliance to the standards.

**4.1.4. Validation and Evaluation of Documents Phase.** This phase shall cover the review and validation of the provided and submitted test certificates, tests results and manufacturer's standard specifications to determine compliance of the ammunition to the specifications and standards.

### 5. PROCEDURES:

#### 5.1. COMPLETENESS INSPECTION:

**5.1.1. Purpose:** The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall check the completeness of the items to be delivered.

#### 5.1.2. Procedures:

**5.1.2.1.** Physically count the completeness of the ammunition to be delivered. If the result is incomplete delivery, do not proceed to the next step and terminate inspection.

**5.1.2.2.** Randomly draw the samples and allocate sampling for the series of inspection and tests. (See Para 6 - Allocation of Representative Sample).

**5.1.2.3.** The samples shall be properly segregated, packed, marked and secured by the Inspection Team.

**5.1.2.4.** Pallets where the samples were taken shall be replenished, properly packed and sealed by the manufacturer and shall be marked by the TIAC.

**5.1.2.5.** Observations shall be recorded.

**5.1.3. Standard:** The ammunition to be delivered shall be complete.

#### 5.2. PHYSICAL, VISUAL, WEIGHT AND DIMENSIONAL INSPECTION:

##### 5.2.1. PHYSICAL AND VISUAL INSPECTION:

##### 5.2.1.1. FOR PACKAGING:

**5.2.1.1.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm; Blank, Linked  
TAP NR: ORQAD5(BKL-0304-23)

the packaging to ensure that the inspected item shall be free from defects and meet the requirements.

**5.2.1.1.2. Procedures:**

5.2.1.1.2.1. Visually check the outer and inner packaging to determine compliance on the physical and material requirements and secure a certification.

5.2.1.1.2.2. Inspect the presence and appropriateness of the markings.

5.2.1.1.2.3. Inspect for signs of deterioration and damage.

5.2.1.1.2.4. Observations shall be recorded.

5.2.1.1.3. **Standard:** The packaging shall be free from defects as stated in the **Types and Classifications of Defects- Physical and Visual Inspection- For the Packaging.**

**5.2.1.2. FOR THE CARTRIDGES:**

5.2.1.2.1. **Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of the blank cartridge and ensure that it is in accordance with the requirements.

**5.2.1.2.2. Procedures:**

5.2.1.2.2.1. Visually inspect the sample blank cartridge to include its parts or components for its compliance on the physical and material requirement and secure a certification.

5.2.1.2.2.2. Inspect for the presence and appropriateness of markings.

5.2.1.2.2.3. Each sample shall be examined for presence or evidence of defect on workmanship.

5.2.1.2.2.4. Observations shall be recorded.

5.2.1.2.3. **Standard:** The blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Physical and Visual Inspection – For the Cartridges.**

**5.2.2. WEIGHT AND DIMENSIONAL INSPECTION:**

5.2.2.1. **Purpose:** This test shall be performed to determine the compliance of the blank cartridge to the weight and dimension requirement.

**5.2.2.2. Procedures:**

5.2.2.2.1. The weight of the sample blank cartridges shall be measured by using a weighing scale or other appropriate measuring instruments.

5.2.2.2.2. The dimension of the sample blank cartridges shall be measured by using a go and no-go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

5.2.2.2.3. Measured weight and dimension shall be recorded.

5.2.2.3. **Standards:** The weight and dimension shall be according to specifications.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
 TAP NR: ORDA05/BKL-00104-23

**5.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the blank cartridge will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**5.3.1. RESIDUAL STRESS TEST:**

**5.3.1.1. Purpose:** This test shall be performed to determine the integrity of the cartridge case.

**5.3.1.2. Procedures:**

**5.3.1.2.1.** Immerse the sample blank cartridges in a 1% mercurous nitrate solution for 15 minutes.

**5.3.1.2.2.** Rinse, clean and examine each sample cartridge after the required test period.

**5.3.1.2.3.** Record observations.

**5.3.1.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.2. WATERPROOF TEST:**

**5.3.2.1. Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

**5.3.2.2. Procedures:**

**5.3.2.2.1.** Immerse the sample blank cartridges in the water six (6) inches deep and applied pressure of 50 kPa below atmospheric pressure for 30 seconds.

**5.3.2.2.2.** Observe the formation of bubbles from the sample blank cartridges.

**5.3.2.2.3.** Record all observations.

**5.3.2.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.3. PRIMER SENSITIVITY TEST:**

**5.3.3.1. Purpose:** This test shall be performed to determine the reliability of the percussion primer and ensure that its sensitivity is within the acceptable range.

**5.3.3.2. Procedures:**

**5.3.3.2.1.** The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

**5.3.3.2.2.** The steel ball shall be dropped from a height of 500mm to the primed cartridge case.

**5.3.3.2.3.** Results and observations shall be recorded.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm Blank, Linked  
 TAP NR. ORDA35(08L-00)04-23

**5.3.3.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.4. PRIMER INSENSITIVITY TEST:**

**5.3.4.1. Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

**5.3.4.2. Procedures:**

**5.3.4.2.1.** The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

**5.3.4.2.2.** The steel ball shall be dropped from a height of 75mm to the primed cartridge case.

**5.3.4.2.3.** Results and observations shall be recorded.

**5.3.4.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.5. NOISE LEVEL TEST:**

**5.3.5.1. Purpose:** This test shall be performed to determine if the sound produced by the blank cartridge during firing falls within the specified standard.

**5.3.5.2. Procedures:**

**5.3.5.2.1.** Prepare a single weapon as stated in the weapons application or its equivalent.

**5.3.5.2.2.** A suitable firing room shall be designated.

**5.3.5.2.3.** An observer must be stationed near the noise level meter or equivalent instrument to ensure full observation of the result.

**5.3.5.2.4.** Using any applicable procedure in accordance to the standard of the manufacturer, the noise level of the blank cartridge shall be measured using a noise level meter or equivalent instrument.

**5.3.5.2.5.** Results and observations shall be recorded.

**5.3.5.2.6.** This test may be done simultaneously with the Screen Perforation Test and Function and Casualty Test.

**5.3.5.3. Standards:**

**5.3.5.3.1.** Performance of the sample blank cartridge shall be according to specification.

**5.3.5.3.2.** The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

**5.3.6. SCREEN PERFORATION TEST:**

**5.3.6.1. Purpose:** This test shall be performed to determine if the wads or fragments will perforate the specified target paper placed in line of fire at a specified distance from the muzzle of the weapon.

**5.3.6.2. Procedures:**

**5.3.6.2.1.** Prepare a single weapon as stated in the weapons application or its equivalent.



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## ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
TAP NR. CRDA05(BKL-00)04-23

5.3.6.2.2. A suitable firing range shall be designated.

5.3.6.2.3. Prepare the specified target paper in accordance to the standard of the manufacturer stretched tightly on the target screen.

5.3.6.2.4. Placed the target paper at a specified distance in accordance to the standard of the manufacturer from the muzzle of the weapon directly to the line of fire.

5.3.6.2.5. Using any applicable procedure in accordance to the standard of the manufacturer, the blank cartridge shall be fired to the targets and observed if there are perforations cause by wads or fragments.

5.3.6.2.6. Results and observations shall be recorded.

5.3.6.2.7. This test may be done simultaneously with the Noise Level Test and Function and Casualty Test.

### 5.3.6.3. Standards:

5.3.6.3.1. Performance of the sample blank cartridge shall be according to specification.

5.3.6.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

### 5.3.7. FUNCTION AND CASUALTY TEST:

5.3.7.1. **Purpose:** This test shall be performed to ascertain the complete functional performance of the blank cartridge and ensure that there shall be no malfunction attributed to the blank cartridge.

#### 5.3.7.2. Procedures:

5.3.7.2.1. The sample blank cartridge conditioned at ambient temperature shall be fired using two (2) or more weapons stated in the weapons application or its equivalent.

5.3.7.2.2. Collect all spent cartridge cases and inspect.

5.3.7.2.3. Result and observations shall be recorded.

5.3.7.3. **Standard:** The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty**.

### 5.3.8. METALLIC LINK CORROSION RESISTANCE TEST:

5.3.8.1. **Purpose:** This test shall be performed to determine if the metallic links are corrosion protected and conform to the standard of the required type.

#### 5.3.8.2. Procedures:

5.3.8.2.1. Prepare and clean the sample metallic links.

5.3.8.2.2. Prepare a 5 ±1 percent solution by dissolving 5 parts by weight of salt in 95 parts by weight of water.

5.3.8.2.3. Inspect the physical condition and operation of the salt spray chamber.

5.3.8.2.4. Support or suspend the sample metallic links inside the salt spray chamber preferably parallel to the principal direction of horizontal flow of fog through the chamber.

5.3.8.2.5. Place each sample metallic links with a minimum spacing of 30mm to permit free settling of fog on the samples.



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
TAP NR: DRDA05(SKL-00)04-23

- 5.3.8.2.6. After placing the specified samples of metallic links, close the salt spray chamber.
- 5.3.8.2.7. Appropriate sealing and marking of the salt spray chamber may be done to ensure transparency and fairness. Appropriate documentation may also be done to ensure full coverage of the test.
- 5.3.8.2.8. With the sample metallic links in the salt spray chamber, maintained a temperature of  $35 \pm 2^{\circ}\text{C}$  ( $95 \pm 3^{\circ}\text{F}$ ).
- 5.3.8.2.9. Expose the sample metallic links to salt spray or fog for a period of 48 hours.
- 5.3.8.2.10. After the required test period, collect the sample metallic links.
- 5.3.8.2.11. The sample metallic links may be gently washed or dipped in clean running water not warmer than  $38^{\circ}\text{C}$  ( $100^{\circ}\text{F}$ ) to remove salt deposits from their surface and allow drying time of atleast one (1) hour.
- 5.3.8.2.12. Physically and visually check the sample metallic links.
- 5.3.8.2.13. Record all observations.

5.3.8.3. **Standard:** Performance of the sample metallic links shall be according to specifications.

**5.4. TEST CERTIFICATES AND OTHER DOCUMENTATIONS:**

5.4.1. In this phase, certified test results to include certifications but not limited to the following shall be secured, reviewed and validated by the Inspection Team:

- 5.4.1.1. Round Length
- 5.4.1.2. Round Weight
- 5.4.1.3. Cartridge Case Material
- 5.4.1.4. Primer Type
- 5.4.1.5. Propellant Type
- 5.4.1.6. Net Explosive Weight per cartridge
- 5.4.1.7. Metallic Link Type
- 5.4.1.8. Metal Box Type (Inner Packaging)
- 5.4.1.9. Date of Manufacture of the ammunition
- 5.4.1.10. All performance specifications

**6. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table-1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	CRITERIA
<b>A. Physical and Visual Inspection: (Representative samples)</b>		
1. For the Packaging	100% of the quantity of samples indicated in Table 1 – For Visual Inspection of Packaging corresponding to the total number of packaging for lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal 22 up to Ctg. 30mm) dated 20 August 2018
2. For the Cartridge	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm (Blank, Linked)  
TAP NR. ORDA05(BAL-00)P4-23

	Ammunition corresponding to the lot size	.22 up to Ctg. 30mm) dated 20 August 2018
<b>B. Weight and Dimensional Inspection:</b> (Representative Sample)		
1. Round Length 2. Round Weight	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
<b>C. Performance Tests:</b> (Samples to undergo the test shall be taken from the representative samples that passed the Physical, Visual, Weight and Dimensional Inspection)		
1. Residual Stress Test	50 rounds	Note 1
2. Waterproof Test	20 rounds	Note 2
3. Primer Sensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
4. Primer Insensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
5. Noise Level Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
6. Screen Perforation Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
7. Function and Casualty Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
8. Metallic Link Corrosion Resistance Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.

**Notes:**

1 - (a) If any cartridge is found to have crack/s or split/s in its case other than the "I" area, the lot will be rejected.

(b) If crack/s or split/s is found in the "I" area of the case, following will apply:

- If one (1) or two (2) cartridge/s in the first sample are found to have crack/s or split/s, the lot will be accepted;



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
TAP NR. ORDA95(BKL-00)04-23

- If three (3) cartridges in the first sample are found to have crack/s or split/s, a retest will be conducted on the second sample consisting of twice the number as the first sample. If the second sample is found to be free from crack/s or split/s, the lot will be accepted;

- If four (4) or more cartridges in the first sample are found to have crack/s or split/s, the lot will be rejected.

(c) In the event that the crack/s or split/s is found in the "I" area extending in the other areas of the case, Note 1(a) will apply. (See Figure 1 – Location of Defects)

2 - Failure of nine (9) or more cartridges to comply with the standard shall cause rejection of the lot. If four (4) cartridges or less fail in the first test, the lot will be accepted. If more than four (4) but less than nine (9) cartridges fail in the first test, a second sample consisting of twice the number of cartridges as the first sample will be tested. The lot shall be rejected if, in the combined first and second samples, nine (9) or more cartridges fail to comply with the standard.

**7. TYPES AND CLASSIFICATION OF DEFECTS:**

**Table- 2**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS	
	MAJ	MIN
7.1. Physical and Visual Inspection:		
7.1.1. For the Packaging:		
7.1.1.1. Material not according to specification	X	
7.1.1.2. No provision of packaging as stated in the specifications	X	
7.1.1.3. Damaged, missing and incorrectly positioned parts		X
7.1.1.4. Incorrect, missing or illegible markings		X
7.1.1.5. Evidence of poor workmanship		X
7.1.2. For the Cartridges:		
7.1.2.1. Corrosion or stain with etching	X	
7.1.2.2. Discolored, dirty, oily, or smeared		X
7.1.2.3. Case:		
7.1.2.3.1. Perforated case	X	
7.1.2.3.2. Case split on K, L or M location	X	
7.1.2.3.3. Case material not according to specification	X	
7.1.2.3.4. Case mouth (rosette) crimp defective or missing	X	
7.1.2.3.5. No evidence of mouth anneals	X	
7.1.2.3.6. Draw scratch	X	
7.1.2.3.7. Chamfer missing on head (rim)	X	
7.1.2.3.8. Case split on I, S or J location	X	
7.1.2.3.9. Beveled underside of head	X	
7.1.2.3.10. Scaly metal		X
7.1.2.3.11. Fold, wrinkle, buckle or bulge		X
7.1.2.3.12. Headstamp incomplete, missing or illegible		X



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm Blank, Linked  
TAP NR: GRDA05(BKL-03)04-23

7.1.2.3.13.	Defective head		X
7.1.2.3.14.	Defective mouth		X
7.1.2.3.15.	Case dented		X
7.1.2.4.	<b>Primer:</b>		
7.1.2.4.1.	Primer missing	X	
7.1.2.4.2.	Primer cocked	X	
7.1.2.4.3.	Primer inverted	X	
7.1.2.4.4.	Primer type not according to specification	X	
7.1.2.4.5.	Loose Primer	X	
7.1.2.4.6.	Nicked or dented primer		X
7.1.2.4.7.	No waterproofing material (primer pocket point)		X
7.1.2.5.	<b>Propelling Charge:</b>		
7.1.2.5.1.	Propelling charge not according to specification	X	
7.1.2.6.	<b>Metallic Link:</b>		
7.1.2.6.1.	Metallic link type not according to specification	X	
7.1.2.6.2.	Presence of rust or corrosion	X	
7.1.2.6.3.	Frozen or crooked link	X	
7.2.	<b>Weight and Dimensional Inspection:</b>		
7.2.1.	Round length not according to specification	X	
7.2.2.	Round weight not according to specification	X	
7.3.	<b>Performance:</b>		
7.3.1.	Primer sensitivity requirement not according to specification	X	
7.3.2.	Primer insensitivity requirement not according to specification	X	
7.3.3.	Noise level requirement not according to specification	X	
7.3.4.	Screen perforation requirement not according to specification	X	
7.3.5.	Metallic link corrosion resistance not according to specification	X	
7.3.6.	<b>Function and Casualty:</b>		
7.3.6.1.	Misfire	X	
7.3.6.2.	Hang Fire	X	
7.3.6.3.	Perforation in firing pin indent in primer cup	X	
7.3.6.4.	Other defects that will likely result to unsafe conditions	X	
7.3.6.5.	Blown or dropped primer out of pocket	X	
7.3.6.6.	Loose primer, but remains in pocket	X	
7.3.6.7.	Escape of gas around primer cup		X
7.3.6.8.	Failure to extract	X	
7.3.6.9.	Other ammunition defect that is likely to result in failure of the weapon	X	
7.3.6.10.	<b>Cartridge Case (Refer to Figure 1)</b>		
7.3.6.10.1.	Cartridge case longitudinal split (to head - L)	X	
7.3.6.10.2.	Cartridge case longitudinal split (through head - M)	X	
7.3.6.10.3.	Circumferential rupture (partial, shoulder or body - J, K, L and S)	X	



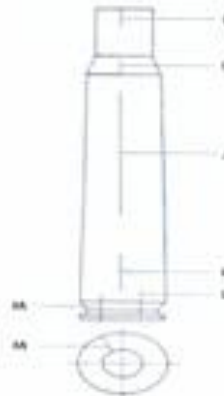
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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
 TAP NR. ORDA05(BKL-00)04-23

7.3.6.10.4	Circumferential rupture (complete)	X	
7.3.6.10.5	Cartridge case longitudinal split (body - J or K)	X	
7.3.6.10.6	Cartridge case longitudinal split (neck and shoulder - I or S)	X	

Figure 1 – Location of Defects



**Note:** A defect is any nonconformance of a single unit of product (Cartridge) with respect to a given standard specification. Every nonconformance observed or noted in every cartridge shall be counted individually as one defect.

**8. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

**GIOVANNI D PEÑAFLORIDA JR**  
 Major (OS) PA  
 Chief, Firepower Branch

**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, Plans & Research Branch

**APPROVED BY:**

**JESUS JEFFREY P GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg, Cal .22 up to Ctg, 30mm)



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

AUG 20 2018

**SAMPLING PLANS FOR THE TEST AND ACCEPTANCE OF AMMUNITION**  
(For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm)

**I. REFERENCES:**

- a. ANZI/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- b. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.

**II. ACCEPTANCE AND REJECTION:**

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the following Sampling Plan Tables for Visual Inspection, Dimensional Inspection, Performance Test, and Functional Test.

If the number of defects found in the first sample is equal to or less than the first **Acceptance (Ac)** number, the lot or batch shall be accepted. If the number of defects found in the first sample is equal to or greater than the first **Rejection (Re)** number, the lot or batch shall be rejected.

If the number of defects found in the first sample is between the first **Acceptance (Ac)** and **Rejection (Re)** numbers, second samples shall be inspected. The number of defects found in the first and second samples shall be accumulated. If the cumulative number of defects is equal to or less than the second acceptance number, the lot or batch shall be accepted. If the cumulative number of defects is equal to or greater than the second rejection number, the lot or batch shall be rejected.

**A. For Visual Inspection of Packaging:** Double Sampling Plan for Normal Inspection of General Inspection Level II

Table 1

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)			
				Major (6.5)		Minor (10.0)	
				Ac	Re	Ac	Re
2 - 8	A	1	2	0	1	0	2
		2	2	-	-	1	2



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg. Cal 22 up to Ctg. 30mm)

9 - 15	B	1	2	0	1	0	2
		2	2	-	-	1	2
16 - 25	C	1	3	0	2	0	2
		2	3	1	2	1	2
26 - 50	D	1	5	0	2	0	3
		2	5	1	2	3	4
51 - 90	E	1	8	0	3	1	4
		2	8	3	4	4	5
91 - 150	F	1	13	1	4	2	5
		2	13	4	5	6	7
151 - 280	G	1	20	2	5	3	7
		2	20	6	7	8	9
281 - 500	H	1	32	3	7	5	9
		2	32	8	9	12	13
501 - 1,200	J	1	50	5	9	7	11
		2	50	12	13	18	19
1,201 - 3,200	K	1	80	7	11	11	16
		2	80	18	19	26	27
3,201 - 10,000	L	1	125	11	16	11	16
		2	125	26	27	26	27
10,001 - 35000	M	1	200	11	16	11	16
		2	200	26	27	26	27
35,001 - 150,000	N	1	315	11	16	11	16
		2	315	26	27	26	27
150,001 - 500,000	P	1	500	11	16	11	16
		2	500	26	27	26	27
500,001 and over	Q	1	800	11	16	11	16
		2	800	26	27	26	27

**B. For Visual and Dimensional Inspection of Ammunition:** Double Sampling Plan for Normal Inspection of General Inspection Level II

Table 2

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)					
				Critical (.04)		Major (2.5)		Minor (4.0)	
				Ac	Re	Ac	Re	Ac	Re
2 - 8	A	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
9 - 15	B	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
16 - 25	C	1	3	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
26 - 50	D	1	5	0	1	0	1	1	2
		2	5	-	-	-	-	2	3



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg. Cal. 22 up to Ctg. 30mm)

51 - 90	E	1	8	0	1	0	2	0	2
		2	8	-	-	1	2	1	2
91 - 150	F	1	13	0	1	0	2	0	3
		2	13	-	-	1	2	3	4
151 - 280	G	1	20	0	1	0	3	1	4
		2	20	-	-	3	4	4	5
281 - 500	H	1	32	0	1	1	4	2	5
		2	32	-	-	4	5	6	7
501 - 1,200	J	1	50	0	1	2	5	3	7
		2	50	-	-	6	7	8	9
1,201 - 3,200	K	1	80	0	1	3	7	5	9
		2	80	-	-	8	9	12	13
3,201 - 10,000	L	1	125	0	1	5	9	7	11
		2	125	-	-	12	13	18	19
10,001 - 35000	M	1	200	0	1	7	11	11	16
		2	200	-	-	18	19	26	27
35,001 - 150,000	N	1	315	0	1	11	16	11	16
		2	315	-	-	26	27	26	27
150,001 - 500,000	P	1	500	1	2	11	16	11	16
		2	500	-	-	26	27	26	27
500,001 and over	Q	1	800	0	2	11	16	11	16
		2	800	1	2	26	27	26	27

C. For Performance and Functional Tests of Ammunition: Double Sampling Plan for Normal Inspection of Special Inspection Level S4

Table 3

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)					
				Critical (.04)		Major (2.5)		Minor (4.0)	
				Ac	Re	Ac	Re	Ac	Re
2 - 15	A	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
16 - 25	B	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
26 - 90	C	1	3	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
91 - 150	D	1	5	0	1	0	1	1	2
		2	5	-	-	-	-	2	3
151 - 500	E	1	8	0	1	0	2	0	2
		2	8	-	-	1	2	1	2
501 - 3,200	F	1	13	0	1	0	2	0	3
		2	13	-	-	1	2	3	4
3,201 - 10,000	G	1	20	0	1	0	3	1	4
		2	20	-	-	3	4	4	5



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Page 3 of 4

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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg, Cal .22 up to Ctg, 30mm)

10,001 – 35,000	H	1	32	0	1	1	4	2	5
		2	32	-	-	4	5	6	7
35,001 – 500,000	J	1	50	0	1	2	5	3	7
		2	50	-	-	6	7	8	9
500,001 and over	K	1	80	0	1	3	7	5	9
		2	80	-	-	8	9	12	13

**III. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

  
**DARREL P MARIANO**  
 Major, (OS) PA  
 Chief, PRB

**APPROVED BY:**

  
**FLORANTE P SISON**  
 Colonel, MNSA PA  
 Chief



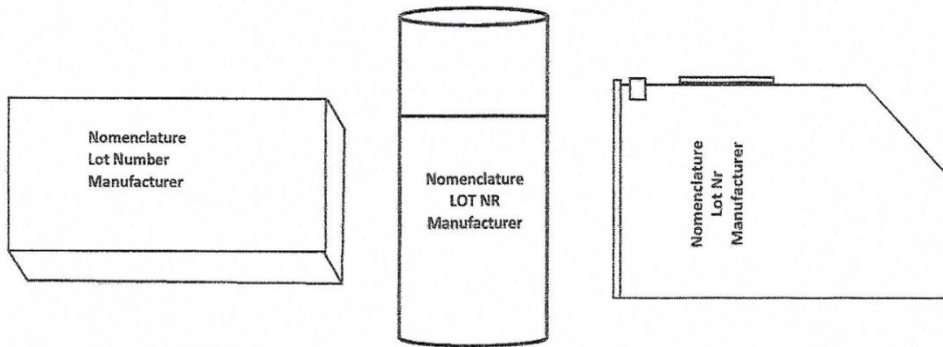
*Honor. Patriotism. Duty.*

*By 2028, a world-class Army that is a source of national pride.*

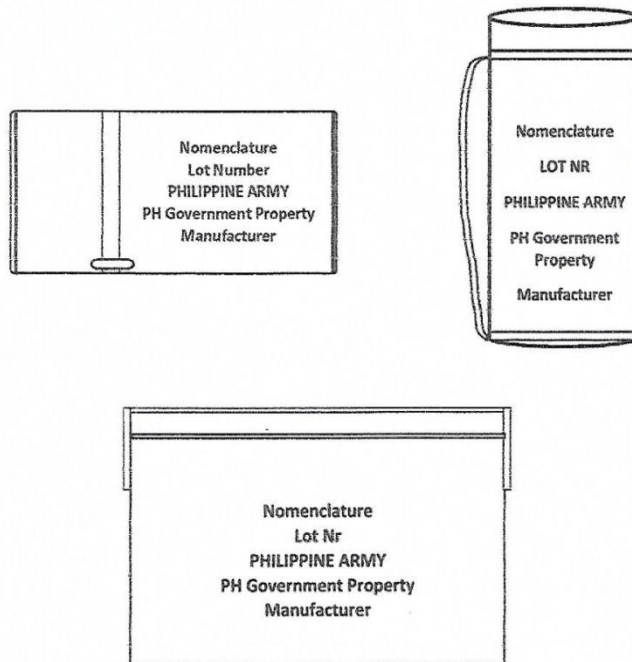
HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
*Fort Andres Bonifacio, Metro Manila*

**SAMPLE DIAGRAM FOR MARKINGS ON PACKAGING OF  
AMMUNITION**

**INNER PACKAGING:** (Sample Illustration, Diagram Not in Scale)



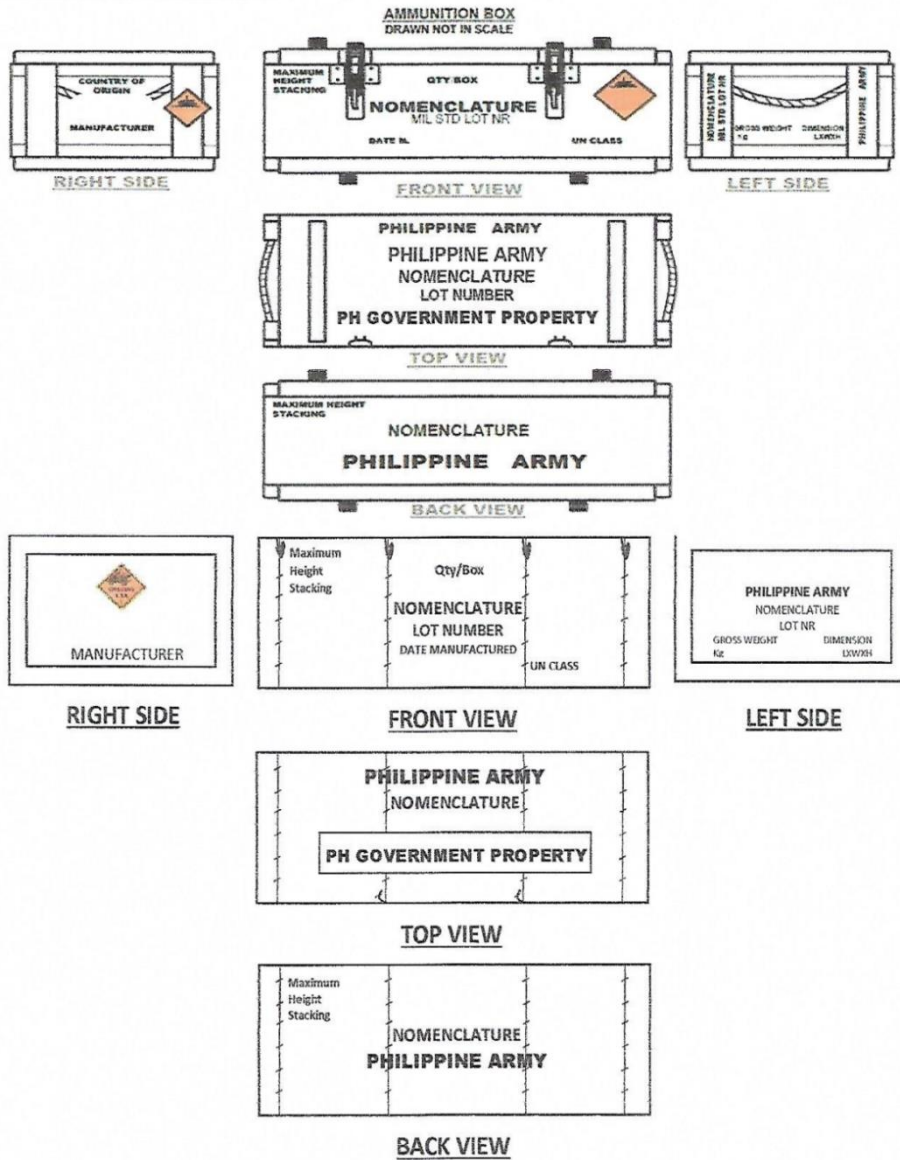
**INTERMEDIATE PACKAGING:** (Sample Illustration, Diagram Not in Scale)



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**OUTER PACKAGING:** (Sample Illustration, Diagram Not in Scale)



**Note:** The illustrated diagram is just an example purposely to serve as reference. Placement, font size, and font-style are manufacturer's standard. Refer to Technical Specification for the minimum required markings.

PREPARED BY:

APPROVED BY:

*Darrel P. Mariano*  
 DARREL P MARIANO  
 MAJ (OS) PA  
 Chief, PRB

*Florante P. Sison*  
 FLORANTE P SISON  
 Colonel, MNSA PA  
 Chief



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## SECTION VIII. CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

TAB	I. TECHNICAL COMPONENT ENVELOPE								
<b>Class "A" Documents</b>									
<b>Legal Documents:</b>									
A	Valid <b>PhilGEPS Registration Certificate</b> (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the 2016 Revised Implementing Rules (as of 15 April 2024) and the GPPB Resolution No. 15-2021 dated 14 October 2021.								
<b>Technical Documents:</b>									
B	<b>Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started</b> , if any, whether similar or not similar in nature and complexity to the contract to be bid ( <b>Annex 1</b> ); <b>AND</b>								
C	<b>Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid</b> , except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents ( <b>Annex 2</b> ) <b>AND</b>								
D	Original copy of <b>Bid Security</b> . If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; <b>OR</b> Original copy of Notarized <b>Bid Securing Declaration (Annex 3)</b> ; <b>AND</b>								
E	<p>1. <b>Completed and signed Conformance/Statement of Compliance</b> to Technical Bid Form, Technical Specifications (TS) and other Test and Acceptance Procedure (TAP) (with corresponding Sampling Plans and AQL) and Sample Format of Technical Data Sheet; (<b>Annex 4</b>) <b>AND</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: center;"><b>Annex 4-A</b></td> <td>Technical Bid Forms</td> </tr> <tr> <td style="text-align: center;"><b>Annex 4-B</b></td> <td>Technical Specifications</td> </tr> <tr> <td style="text-align: center;"><b>Annex 4-C</b></td> <td>Test and Acceptance Procedures (Packaging and Markings) with the Sampling Plan and AQL.</td> </tr> <tr> <td style="text-align: center;"><b>Annex 4-D</b></td> <td>Sample Format of Technical Data Sheet</td> </tr> </tbody> </table> <p>2. Bidder's <b>Certification of Conformance</b> from its <b>Technical Department or Production Department or Quality Assurance Department or its equivalent from the manufacturing company</b>, that the ammunition will be manufactured in accordance with the Philippine Army (PA) TS, TAP (with Sampling Plan &amp; AQL), Packaging, and Markings. (<b>Annex 5</b>)</p> <p>3. Conformity with the <b>Schedule of Requirements</b>. (<b>Annex 6</b>); <b>AND</b></p>	<b>Annex 4-A</b>	Technical Bid Forms	<b>Annex 4-B</b>	Technical Specifications	<b>Annex 4-C</b>	Test and Acceptance Procedures (Packaging and Markings) with the Sampling Plan and AQL.	<b>Annex 4-D</b>	Sample Format of Technical Data Sheet
<b>Annex 4-A</b>	Technical Bid Forms								
<b>Annex 4-B</b>	Technical Specifications								
<b>Annex 4-C</b>	Test and Acceptance Procedures (Packaging and Markings) with the Sampling Plan and AQL.								
<b>Annex 4-D</b>	Sample Format of Technical Data Sheet								
F	Original duly signed <b>Omnibus Sworn Statement (OSS)</b> ; and if applicable, Original Notarized Secretary's Certificate in case of a corporation,								



	partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder ( <b>Annex 7</b> ); <b>AND</b>
<b>G</b>	<b>Warranty Undertaking (Annex 8); AND</b>
<b>H</b>	<p><b>Proof of Authority</b> of the designated representative/s for purposes of the bidding; and</p> <p><b><u>For Local Manufacturer:</u></b></p> <p>a. <b>Duly notarized Special Power of Attorney</b> – For Sole Proprietorship if owner opts to designate a representative/s; <b>OR</b></p> <p>b. <b>Duly notarized Secretary’s Certificate</b> evidencing the authority of the designated representative/s, issued by the corporation, cooperative or the members of the joint venture.</p> <p><b><u>For Foreign Manufacturer:</u></b></p> <p>a. <b>Valid and Current Written Appointment</b> of the Philippine based company (as local representative of foreign manufacturer) issued by the foreign bidder. The written appointment must include detailed scope of responsibility of the local representative. A Certified True Copy of the Written Appointment may be submitted subject to the presentation of the original document during post qualification.</p> <p>b. <b>Duly Notarized authorization of the duly registered Philippine-based company representative</b> (e.g., Secretary’s Certificate for Corporation, Special Power of Attorney for Sole Proprietor), attaching therein a copy of the representative’s valid government-issued identification card (I.D.), contact details and three (3) specimens of his/her signature. Moreover, the document must indicate that the designated representative has the authority to transact with PA/AFP.</p> <p><b><i>In case of unincorporated joint venture, each member shall submit a separate Special Power of Attorney and/or Secretary’s Certificate evidencing the authority of the designated representatives for purposes of this bidding.</i></b></p> <p>The above proofs of authority must state the scope of authority of its authorized representative, must bear a specimen signature of the authorized representative, and must contain contact details of the representative, such as address, email address and telephone/mobile number. <b><u>It must include the authority to sign the contract agreement with the PA/AFP if allowed by the Owner/Proprietor/Board of Directors.</u></b></p> <p><b><i>(Note: The Secretary’s Certificate, Board Resolution or Special Power of Attorney, or its equivalent document, must have the specimen signature of the bidder or its authorized representative and copy of the bidder’s/representative’s valid government-issued identification card (I.D.); it must indicate in the said document the authority to transact with the Philippine Army/AFP; and it must indicate in the same document the address, and</i></b></p>



	<i>telephone number/mobile phone number/fax number/email address of the bidder or its authorized representative)</i>
I	Colored Manufacturer's Brochure or Literature of the product being offered. Internet downloads may be included to supplement the information contained in the original brochures; <b>AND</b>
<b>Financial Documents:</b>	
J	<p>The prospective bidder's computation of <b>Net Financial Contracting Capacity (NFCC) (Annex 9)</b>;</p> <p style="text-align: center;"><b>or</b></p> <p>A <b>Committed Line of Credit</b> that must be at least equal to ten percent (10%) of the ABC of the project issued from a Universal or Commercial Bank in lieu of its NFCC computation. <b>(Annex 10)</b></p> <p>*Should the bidder opt to submit NFCC, computation must be at least equal to the ABC to be bid, calculated as follows.  <math display="block">\text{NFCC} = [(\text{Current assets minus current liabilities}) (15)] \text{ minus the value of all ongoing contracts, including awarded contracts yet to be started.}</math></p> <p>* The values of the domestic bidder's current assets and current liabilities shall be based on the latest Annual Income Tax Return and Audited Financial Statements filed thru eFPS.</p> <p>* For foreign bidders, the value of the current assets and current liabilities shall be based on their latest Audited Financial Statements (AFS) prepared in accordance with international reporting standards. The NFCC computation shall be expressed in Philippine Peso based on the prevailing exchange rate as published in the BSP reference rate bulletin on the date of preparation of the AFS.</p> <p>* If the prospective bidder opts to submit a Committed Line of Credit, it must be at least equal to ten percent (10%) of the ABC of the project issued by local universal or commercial bank. <b>The amount of Committed Line of Credit must be Machine Validated.</b> The Committed Line of Credit must be effective or available on the date of the bid submission.</p>
<b>Class "B" Documents</b>	
K	<p>If applicable, a duly signed <b>Joint Venture Agreement (JVA)</b> in case the joint venture is already in existence;</p> <p style="text-align: center;"><b>OR</b></p> <p>duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful <b>(Annex 11-A)</b>.</p> <p style="text-align: center;"><b>OR</b></p> <p>If Joint Venture is not applicable, the bidder must submit a duly signed statement stating that JVA is not applicable <b>(Annex 11-B)</b>.</p>
<b>Other documentary requirements under RA No. 9184 (as applicable)</b>	
L	Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.
M	For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos, Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.

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<b>II. FINANCIAL COMPONENT ENVELOPE</b>	
<b>A</b>	Original of duly signed and accomplished Bid Form ( <b>Annex 12-A</b> ) and Financial Bid Form ( <b>Annex 12-B</b> ); and
<b>B</b>	Original of duly signed and accomplished Price Schedule(s) ( <b>Annex 13</b> ).

## ANNEXES

<b>TECHNICAL DOCUMENTS</b>	
Statement of the prospective bidder of all its ongoing government and private contracts	<b>Annex 1</b>
Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid within five (5) years from the date of Submission and Receipt of Bids	<b>Annex 2</b>
Bid Securing Declaration	<b>Annex 3</b>
Statement of Compliance to Technical Specifications, Test and Acceptance, Sampling Plans, AQL, Packaging and Marking	<b>Annex 4</b>
Statement of Compliance to Technical Bid Form	<b>Annex 4-A</b>
Statement of Compliance to Technical Specifications	<b>Annex 4-B</b>
Statement of Compliance to Test and Acceptance Procedures, Sampling Plan, AQL, Packaging, and Markings	<b>Annex 4-C</b>
Conformity with the Sample Format of Technical Data Sheet	<b>Annex 4-D</b>
Manufacturer's Certification on conformance to the project's technical specifications, packaging, markings, test and acceptance procedures and sampling plan	<b>Annex 5</b>
Conformity with the Schedule of Requirements	<b>Annex 6</b>
Omnibus Sworn Statement (OSS)	<b>Annex 7</b>
Warranty Undertaking	<b>Annex 8</b>
Certificate of Net Financial Contracting Capacity (NFCC)	<b>Annex 9</b>
Sample Form for Committed Line of Credit	<b>Annex 10</b>
Protocol/Undertaking of Agreement to enter into Joint Venture	<b>Annex 11-A</b>
Sample Format of Statement of Inapplicability of Joint Venture Agreement	<b>Annex 11-B</b>
<b>FINANCIAL DOCUMENTS</b>	
Bid Form	<b>Annex 12-A</b>
Financial Bid Form	<b>Annex 12-B</b>
Bid Prices and applicable Price Schedules	<b>Annex 13</b>

## Annex 1

Bidder's Company Letterhead**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25**

Lot	Description	Qty (rds)	ABC (Pesos)
1	Ctg, 5.56mm: Blank	1,000,000	15,000,000.00
2	Ctg, 7.62mm: Blank	1,000,000	23,000,000.00
3	Ctg, 5.56mm: Blank, Linked	1,000,000	32,000,000.00
4	Ctg, 7.62mm: Blank, Linked	1,000,000	40,000,000.00

**STATEMENT OF ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS  
(INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED)**

Item Nr	Name of the Contract	Date of Contract	Contract Duration	Owner's/Buyer's Name & Address	Kinds of Goods	Amount of Contract and Value of Outstanding Contracts	Date of Delivery
TOTAL							

**CERTIFIED CORRECT:**

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Position

\_\_\_\_\_  
Date

## Annex 2

Bidder's Company Letterhead**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25**

Lot	Description	Qty (rds)	ABC (Pesos)
1	Ctg, 5.56mm: Blank	1,000,000	15,000,000.00
2	Ctg, 7.62mm: Blank	1,000,000	23,000,000.00
3	Ctg, 5.56mm: Blank, Linked	1,000,000	32,000,000.00
4	Ctg, 7.62mm: Blank, Linked	1,000,000	40,000,000.00

**STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT  
(SLCC) SIMILAR TO THE CONTRACT TO BE BID WITHIN FIVE (5) YEARS  
FROM THE DATE OF SUBMISSION AND RECEIPT OF BIDS**

- a. For the procurement of **Non-expendable Supplies**: The Bidder must have completed a single contract that is similar to this Project, equivalent to **at least fifty percent (50%)** of the ABC.

Item Nr	Name of the Contract	Date of Contract	Contract Duration	Owner's / Buyer's Name & Address	Kinds of Goods	Amount of Completed Contract/s	Date of Delivery	OR Nr & Date, End-User's Acceptance Date or Sales "Invoice with Collection Receipt
TOTAL								

**CERTIFIED CORRECT:**

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Position

\_\_\_\_\_  
Date

**Annex 3**  
(PAGE 1 OF 2)

REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

Lot	Description	Qty (rds)	ABC (Pesos)
1	Ctg, 5.56mm: Blank	1,000,000	15,000,000.00
2	Ctg, 7.62mm: Blank	1,000,000	23,000,000.00
3	Ctg, 5.56mm: Blank, Linked	1,000,000	32,000,000.00
4	Ctg, 7.62mm: Blank, Linked	1,000,000	40,000,000.00

To: *[Insert name and address of the Procuring Entity]*

I/We<sup>1</sup>, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - (a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - (b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
  - (c) I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE]* *[Insert Signatory's Legal Capacity]*  
Affiant

<sup>1</sup> Select one and delete the other. Adopt the same instruction for similar terms throughout the document.



**Annex 3**  
**(PAGE 2 OF 2)**

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ and his/her Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of *[month]* *[year]*.

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_  
Notary Public for \_\_\_\_\_ until \_\_\_\_\_  
Roll of Attorneys No. \_\_\_\_\_  
PTR No. \_\_\_\_\_ *[date issued], [place issued]*  
IBP No. \_\_\_\_\_ *[date issued], [place issue]*

Doc No: \_\_\_\_\_  
Page No: \_\_\_\_\_  
Book No: \_\_\_\_\_  
Series of: \_\_\_\_\_

## Annex 4

**STATEMENT OF COMPLIANCE  
TO TECHNICAL SPECIFICATIONS, TEST AND ACCEPTANCE, SAMPLING  
PLANS, AQL, PACKAGING AND MARKINGS**

The bidder must state in the last column opposite each parameter and required specifications either "Comply" or "Not Comply". All pages shall be properly signed. Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-reference to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause above goods manufactured by us.

**CLARIFICATION AND SETTLEMENT OF CONFLICTING  
INTERPRETATION OF THE TECHNICAL SPECIFICATIONS**

All clarifications regarding the technical specifications stipulated in this section will be clarified by the members of the Technical Working Group. In cases of conflicting interpretations, the nature and purpose of the equipment will be the basis of interpretation. The main basis for technical specifications and requirements is the nature and purpose of the equipment and its intended use as determined by the doctrinal application of the end-users represented herein by the Technical Working Group.

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date

**Annex 4-A**  
(Page 1 of 6)

**TECHNICAL BID FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.	Technical Specifications				Bidder’s Statement of Compliance
1	Lot	Description	Technical Specifications	Test and Acceptance Procedure	
	1	Ctg, 5.56mm: Blank	PA SPECS NR FAM-19(Blank)-03-17 dated 21 May 2017	PA TAP NR FAM-19(Blank)-03-17 dated 21 May 2017	
	2	Ctg, 7.62mm: Blank	TS NR: ORDA05(BK-01)04-23 dated 03 Aug 2023	TAP NR: ORDA05(BK-01)04-23 dated 03 Aug 2023	
	3	Ctg, 5.56mm: Blank, Linked	PA SPECS NR FAM-19(BL)-12-19 dated 17 Jan 2020	PA TAP NR FAM-19(BL)-12-19 dated 17 Jan 2020	
	4	Ctg, 7.62mm: Blank, Linked	TS NR: ORDA05(BKL-00)04-23 dated 03 Aug 2023	TAP NR: ORDA05(BKL-00)04-23 dated 03 Aug 2023	
2	We will provide the required Manufacturer’s Standard and TAP with the Tests and Inspections Parameters, Types and Classification of Defects, Acceptance and Rejection Criteria, and Sampling Plan/Allocation of Representative Samples along with the Technical Eligibility Documents. Manufacturer’s Standard and TAP will be in accordance NATO or equivalent standard & procedures.				
3	Manufacturing date of delivered items should be within one (1) year reckoned from the date of delivery (brand new/freshly manufactured)				
4	We have no overdue deliveries or unperformed services intended for Philippine Army (PA).				
5	We will ensure that the <b>maximum number of rounds per Lot or Sub-Lot size for Small Arms Ammunition is One (1) Million</b> . We may opt to produce more than one (1) million rounds per production for as long as the production lot will be broken down into sub-lots composed of not more than one (1) million rounds per sub-lot. If the total quantity for the whole lot number is divided into sub-lots, we will ensure that packaging will be marked by sub-lot as well.				
6	We will provide one (1) Technical Data Sheet per outer packaging of the ammunition in accordance with the sample format provided.				

**BIDDER’S UNDERTAKING**

I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above described items.

I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award. Until a formal contract is prepared and signed, thus bid is binding on us.

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date

**TECHNICAL BID FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

<b>Line No.</b>	<b>Additional Requirements to be provided by the Bidder, If awarded the contract</b>	<b>Bidder’s Statement of Compliance</b>
<b>7</b>	<p><b>DELIVERY:</b></p> <p><b>a. Delivery Period: 210 calendar days</b> after Receipt of Notice to Proceed by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP: should the supplier fail to comply, the delivery period shall commence.</p> <p><b>b. Delivery Place:</b> Ammunition Company, 1AABn, 1LSG, ASCOM, PA, Camp Servillano Aquino, San Miguel, Tarlac City</p> <p><b>c.</b> Delivery must be done in the presence of Philippine Army authorized representatives.</p> <p><b>d.</b> The supplier must inform the PAPC at least seven (7) calendar days prior to delivery in delivery place/site. Failure to give due notice shall be a ground for non-acceptance of delivery.</p> <p><b>e.</b> Temporary storage at any PA facilities is <b>NOT ALLOWED</b>.</p> <p><b>f.</b> Other than the delivery schedule stated above, <b>NO PARTIAL DELIVERIES</b> are allowed.</p> <p><b>g.</b> During delivery, the Supplier shall be responsible in unloading the items from the container to the designated warehouse of the PA. All costs related to porter services, handling and other related expenses shall be borne by the Supplier. In the absence of material handling equipment at the site, the Supplier shall provide the necessary equipment such as but not limited to: forklifts, hand pallet truck, etc. At the expense of the Supplier.</p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date



**TECHNICAL BID FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER: Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.**

<b>Line No.</b>	<b>Additional Requirements to be provided by the Bidder, If awarded the contract</b>	<b>Bidder’s Statement of Compliance</b>
8	<b>Issuance of End-User Certificate:</b> Pursuant to D4 CMILD-001-2017 dated Jan 26, 2017 issued by the Office of the Deputy Chief of Staff for Logistics, J4, the deadline for submission of End-user Certificate (EUC) requirements shall be within seven (7) Calendar Days upon receipt of Contract/Notice to Proceed (NTP). The letter request shall include as an attachment important document necessary for the issuance thereof, such as specific template/format required by the foreign government and not by the foreign supplier. Failure on the part of the supplier to submit said requirements within the specified period shall not be used and acknowledge as a valid excuse or justification to warrant the extension of the contract.	
9	Warranty Period: <b>One (1) year</b> after final acceptance which includes full replacement of defective items free of charge.	
10	Any defects noted during pre-delivery inspection will be corrected prior to shipment/delivery of the goods subject for another test and inspection	
11	b. During TIAC Inspection: b.1. For items delivered within the delivery period, we will correct defects within 30 calendar days upon receipt of written Notice from the PAPC or within the remaining days of the delivery period, whichever comes later. (Note: This provision is not applicable to items delivered beyond the delivery period). b.2. For items delivered after the lapse of the delivery period, we will correct defects, subject to the imposition of liquidated damages.	
12	In case of rejection, we shall immediately withdraw the items from the Project/Delivery site. Any loss or damage thereto after such declaration shall be our sole responsibility.	
13	The period for repair or replacement for the defective goods or parts thereof in the warranty period shall be within Ninety (90) Calendar Days (maximum) upon receipt of the Notice of Defects.	

**BIDDER’S UNDERTAKING**

I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.

I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.

Until a formal contract is prepared and signed, thus bid is binding on us.

\_\_\_\_\_  
Name of Company (in print)

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Signature of Company Authorized Representative

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Date

**Annex 4-A**  
(Page 4 of 6)

**TECHNICAL BID FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
14	<p><b>PRE-DELIVERY INSPECTION TEST:</b> All items shall be subjected to Pre-Delivery Inspection (PDI) by the Philippine Army.</p> <p><b><u>FOR FOREIGN MANUFACTURERS:</u></b> A. All Items shall be subjected to pre-delivery inspection (PDI) and test by the Philippine Army representatives. The PDI shall be conducted not later than sixty (60) days prior to the expiry of the required delivery period at the goods’ country of origin OR at Research and Development Center (RDC), ASCOM, PA OR as the PA TIAC may direct. B. No extension of delivery period shall be allowed in case of failure or refusal of bidder to comply with said PDI period. C. In no case shall the bidder be relieved from responsibility relative to the delivery of the goods in the event that the PDI is delayed for any reason including issues related to travel documents (i.e., Visa, Travel authority). Appropriate penalties for the delay shall be imposed as applicable. D. The Inspection Team that may attend the pre-delivery test at the country of origin at supplier’s expenses shall have a maximum of five (5) members who have technical knowledge relevant to the item being procured. E. The bidder shall ensure that the inspection Team will be allowed to jointly participate in the conduct of the testing procedures at the option of the inspection team.</p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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Signature of Company Authorized Representative

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Name and Designation

\_\_\_\_\_  
Date

**TECHNICAL BID FORM**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER: Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.**

Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
15	<p><i>Continuation:</i> <b>PRE-DELIVERY INSPECTION TEST:</b></p> <p>F. Bidder shall shoulder all the costs and expense of travel (via/IATA member airlines in case of international travel) and accommodation including Daily Subsistence Allowance (pursuant to Section 8, EO 298) and securing visas as necessary and travel insurance of all the Inspection Team Members. In this regard, supplier is required to ISSUE the required written invitations to the Inspection team through Philippine Army relative to the PDI at least seven (7) calendar days from receipt of NTP.</p> <p>G. Bidder shall conduct product/inspection and pre-departure briefing to orient the members of the Inspection team at least one (1) week prior to departure date. Supplier shall ensure that a full time/on-board interpreter is available for non-English speaking country of manufacturer/plant site. Travel documents including insurance must be submitted to the inspection team during the pre-departure briefing.</p> <p>H. Failure to provide such invitation per C above will result in delays in release of required travel orders for the inspection team which shall be the sole responsibility of the supplier and will subject the supplier to applicable sanctions including liquidated damages due to late delivery. Results of the Pre -Shipment Testing Procedures duly signed by Inspection Team in attendance to be submitted for payment purposes.</p> <p>However, final acceptance as to Physical count will be conducted in the Philippines. The PDI shall be conducted in accordance with the prescribed Test and Acceptance Procedures (<b>Annex 4- C</b>). Cost of testing including the cost of sample rounds shall be for the account of supplier. The samples rounds shall be over and above the quantity to be delivered.</p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

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Signature of Company Authorized Representative

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Name and Designation

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Date

**TECHNICAL BID FORM****PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25**

**TO THE BIDDER:** Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.	Additional Requirements to be provided by the Bidder, If awarded the contract	Bidder’s Statement of Compliance
16	<p><i>Continuation:</i> <b>PRE-DELIVERY INSPECTION TEST:</b></p> <p><b><u>FOR LOCAL MANUFACTURERS:</u></b> A. Pre-delivery inspection of the items to be conducted by the designated PA TIAC who have technical knowledge relevant to the item being procured at Research and Development Center (RDC), ASCOM, PA; OR Government Arsenal Facilities; OR at the Local Manufacturer’s facilities; OR at an authorized third-party testing facility OR as the PA TIAC may direct. B. All expenses relative to inspection shall be for the account of the manufacturer. C. Acceptance Tests to be conducted as per prescribed Test and Acceptance Procedures (<b>Annex 4-C</b>). Cost of samples rounds to be used for testing shall be for the account of the manufacturer. The samples rounds shall be over and above the quantity to be delivered.</p>	
<p style="text-align: center;"><b>BIDDER’S UNDERTAKING</b></p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date

*"Army Vision: By 2028, a world-class Army that is a source of national pride"*

TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm, Blank  
PA SPECS NR FAM – 19(Blank) – 03 – 17



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fvrt Andres Bonifacio, Metro Manila

MAY 21 2017

PA SPECS NR FAM – 19(Blank) – 03 – 17

**TECHNICAL SPECIFICATIONS FOR  
Cartridge, 5.56mm, Blank**

<b>Description:</b>	This cartridge is identified by a rose-petal (rosette-crimp) closure of the cartridge case mouth used for simulated firing in training exercises and saluting purposes.
<b>Weapons Application:</b>	Rifle, 5.56mm, M16 Series; Carbine, 5.56mm, M853 Series; Carbine, 5.56mm, M4 Series
<b>Technical Data:</b>	
<b>1. Dimension and Weight:</b>	
Round Weight	107 grains
Round Length	48.3mm
<b>2. Primer Type:</b>	Percussion
<b>3. Cartridge Case:</b>	Brass
<b>4. Filler:</b>	Smokeless Powder
<b>5. Cartridge Markings:</b>	
Cartridge Case Head Stamp	Manufacturer's Code Year of Manufacture (last 2 digits)
<b>6. Inner Packaging:</b>	Carton Box
Markings	Nomenclature Lot Number (indicating Manufacturer's Code, Year of Production and Month of Production) Manufacturer Quantity per Box Date of Manufacture
<b>7. Intermediate Packaging:</b>	Transparent Plastic (Vacuum sealed)
<b>8. Outer Packaging:</b>	Wooden Box (Termite Treated) or Hard Plastic Box
Markings	Philippine Army PH Government Property Nomenclature Lot Number (indicating Manufacturer's Code, Year of Production and Month of Production) Manufacturer Quantity per Box Weight (N.E.W / Net/ Gross) Dimension



*"Army Core Purpose: Serving the people. Securing the land."*

Page 1 of 2

**Conforme:**

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Bidder's Company Name

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Signature of Authorized Representative

---

Designation

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Date

"Army Vision: By 2028, a world-class Army that is a source of national pride"

TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm, Blank  
PA SPECS NR FAM - 19(Blank) - 02 - 17

	Hazard Classification Code
	Date of Manufacture


PREPARED BY:

  
**ROMEO E NORIEGA**  
 Major, (OS) PA  
 Chief, Firepower Branch

RECOMMENDED BY:

  
**THEODORE L DIZON**  
 Colonel, GSC (OS) PA  
 Chief

APPROVED BY:

  
**GLORIOSO V MIRANDA**  
 Lieutenant General, AFP  
 Acting Commanding General, PA

"Army Core Purpose: Serving the people. Securing the land."

Page 2 of 2

**Conforme:**

\_\_\_\_\_  
 Bidder's Company Name

\_\_\_\_\_  
 Signature of Authorized Representative

\_\_\_\_\_  
 Designation

\_\_\_\_\_  
 Date





ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank  
 TS NR: ORDA05(BK-01)04-23

HEADQUARTERS  
 PHILIPPINE ARMY  
 Fort Andres Bonifacio, Metro Manila

TS NR: ORDA05(BK-01)04-23

AUG 03 2023

**TECHNICAL SPECIFICATIONS FOR  
 Cartridge, 7.62mm: Blank**

<b>Description:</b>	This blank cartridge is identified by a rose-petal (rosette crimp) closure of the cartridge case mouth that is used to simulate firing in training exercises
<b>Weapons Application:</b>	Rifle, 7.62mm: M14; DMR; L1A1 all equipped with blank firing adapter
<b>Technical Data:</b>	
<b>1. Length and Weight:</b>	
1.1. Round Length	62.5 – 69.5mm
1.2. Round Weight	Manufacturer's Standard
<b>2. Cartridge Case Material:</b>	Brass
<b>3. Primer:</b>	Percussion, Boxer Type
<b>4. Propellant Type:</b>	Smokeless Powder
4.1. Net Explosive Weight (NEW) per round	Manufacturer's Standard
<b>5. Packaging of the ammunition:</b>	
5.1. Inner	Carton Box (20 or 30 rounds/box)
5.2. Intermediate	M2A1 Metal box with tamper-proof seal
5.3. Outer	Wire Bounded Wooden box (Termite Treated) or Hard Plastic box with tamper-proof seal
<b>6. Markings:</b>	
6.1. Cartridge Case Headstamp	Manufacturer's Code Year of Manufacture (last 2 digits)
6.2. Inner Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Bik"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per carton box
	Date of Manufacture



HONOR. PATRIOTISM. DUTY.

*[Handwritten signature]*



**Conforme:**

\_\_\_\_\_  
 Bidder's Company Name

\_\_\_\_\_  
 Signature of Authorized Representative

\_\_\_\_\_  
 Designation

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 Date



**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank  
 TS NR: ORDA05(BK-01)04-23

6.3. Intermediate Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Blk"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per metal box
6.4. Outer Packaging	Date of Manufacture
	"Philippine Army"
	"PH Government Property"
	Standard Nomenclature "Cartridge, 7.62mm: Blank or Ctg, 7.62mm: Blk"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total Net Explosive Weight
	Dimension
	Hazard Classification Code
Date of Manufacture	
<b>7. Performance:</b>	
7.1. Residual Stress Test	The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes
7.2. Waterproof	The blank cartridge shall not produce more than one (1) bubble from the mouth of the case or from the primer or from both when subjected to 50 kPa below atmospheric pressure for 30 seconds
7.3. Primer Sensitivity	The primers shall fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 500mm
7.4. Primer Insensitivity	The primers shall not fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 75mm
7.5. Noise Level	The noise level of the blank cartridge shall be according to the manufacturer's standard
7.6. Screen Perforation	The screen perforation requirement of the blank cartridge shall be according to the manufacturer's standard



HONOR. PATRIOTISM. DUTY. *[Signature]*



**Conforme:**

\_\_\_\_\_

Bidder's Company Name

\_\_\_\_\_

Signature of Authorized Representative

\_\_\_\_\_

Designation

\_\_\_\_\_

Date

ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.  
TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm, Blank  
TS NR: ORDA05/BK-0104-23



7.7. Function and Casualty	The blank cartridge shall be free from defects as stated in the Types and Classification of Defects – Function and Casualty when fired using the weapon stated in the weapons application or its equivalent
8. Other Requirements:	
8.1. Technical Data Sheet	Required and placed inside every outer packaging

PREPARED BY:

  
**GIOVANNI D PEÑAFLORIDA JR**  
 Major (OS) PA  
 Chief, Firepower Branch, OACOCS

  
**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, PRB, OACOCS

RECOMMENDED BY:

  
**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS

APPROVED BY:

  
**ROMEO S BRAWNER JR**  
 General PA  
 Commanding General



HONOR. PATRIOTISM. DUTY.



**Conforme:**

\_\_\_\_\_  
Bidder's Company Name

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date

*By 2028, a world-class Army that is a source of national pride.*

TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm: Blank, Linked  
PA SPECS NR FAM – 19(BL) – 12 – 19



**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila**

PA SPECS NR FAM – 19(BL) – 12 – 19

JAN 17 2020

**TECHNICAL SPECIFICATIONS FOR  
Cartridge, 5.56mm: Blank, Linked**

<b>1. Description:</b>	This linked cartridge is identified by a rose-petal (rosette-crimp) closure of the cartridge case mouth used for simulated firing in training exercises
<b>2. Weapons Application:</b>	SAW, 5.56mm: M249; SAW, 5.56mm: K3
<b>3. Dimension and Weight:</b>	
3.1. Round Weight	Manufacturer's Standard
3.2. Round Length	47.00 – 57.40mm
<b>4. Primer Type:</b>	Percussion
<b>5. Cartridge Case:</b>	Brass
<b>6. Propelling Charge:</b>	Manufacturer's Standard
<b>7. Link:</b>	Metallic, Disintegrating
<b>8. Performance Characteristics:</b>	
8.1. Waterproofness	Cartridge shall not release more than 1 bubble of air from the mouth of the case or from the primer or both when subjected to internal pressure of 2 psi
8.2. Primer Sensitivity	Primer shall fire when dropped by a 112±0.5g steel ball from a height of 500mm
8.3. Primer Insensitivity	Primer shall not fire when dropped by a 112±0.5g steel ball from a height of 76mm
8.4. Screen Perforation	Cartridge when fired with BFA shall not cause perforation of greater than 0.1 inch in diameter in a paper screen placed 15 feet from the muzzle
8.5. Cyclic Rate	650-950 rpm
8.6. Function and Casualty	Cartridge shall be free from defects when fired from a standard weapon as specified in the weapons application
8.7. Metallic Link Corrosion Resistance	Links shall be free from rust or corrosion after being subjected to Salt Spray Test for 24 hrs
<b>9. Packaging:</b>	
9.1. Inner	200 Linked cartridges inside plastic feedbox



*Honor. Patriotism. Duty*

*Page 1 of 2*

**Conforme:**

\_\_\_\_\_  
Bidder's Company Name

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Designation

\_\_\_\_\_  
Date



*By 2028, a world-class Army that is a source of national pride.*

TECHNICAL SPECIFICATIONS FOR Cartridge, 5.56mm: Blank, Linked  
PA SPECS NR FAM – 19(SL) – 12 – 19

9.2. Intermediate	4 Feedbox inside a metal box with tamper proof seal
9.3. Outer	2 Metal boxes inside wire bound wooden box (termite resistant) or hard plastic box with tamper proof seal
<b>10. Markings:</b>	Note: Highlighted entries must be indicated as such
10.1. Cartridge Case Head Stamp	Manufacturer's Code Year of Manufacture (last 2 digits)
10.2. Intermediate Packaging	Nomenclature (Ctg, 5.56mm: <b>Blank, Linked</b> ) Lot Number (Indicating Manufacturer's Code, Year and month of Production) Quantity per box
10.3. Outer Packaging	<b>Philippine Army</b> <b>PH Government Property</b> Nomenclature (Ctg, 5.56mm: <b>Blank, Linked</b> ) Lot Number (Indicating Manufacturer's Code, Year and month of Production) Manufacturer Quantity per box Weight (Gross) Dimension Hazard classification code

PREPARED BY:

  
DARCEL P. MARIANO  
Major, (OS) PA  
Chief, PRB

  
JAY CHRISTIAN M. DEGUIA  
Major, (OS) PA  
Chief, FPB

RECOMMENDED BY:

  
FLOYANTE P. SISON  
Colonel, MNSA PA  
Chief

APPROVED BY:

  
GILBERT I. GAPAY  
Lieutenant General, AFP  
Commanding General  
*Honor. Patriotism. Duty.*



**Conforme:**

\_\_\_\_\_

Bidder's Company Name

\_\_\_\_\_

Signature of Authorized Representative

\_\_\_\_\_

Designation

\_\_\_\_\_

Date





**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank, Linked  
 TS NR: ORDA05(BKL-00)04-23

**HEADQUARTERS  
 PHILIPPINE ARMY**  
 Fort Andres Bonifacio, Metro Manila

TS NR: ORDA05(BKL-00)04-23

AUG 03 2023

**TECHNICAL SPECIFICATIONS FOR  
 Cartridge, 7.62mm: Blank, Linked**

<b>Description:</b>	This linked blank cartridge is identified by a rose-petal (rosette crimp) closure of the cartridge case mouth that is used to simulate firing in training exercises
<b>Weapons Application:</b>	LMG, 7.62mm: M60 Series; M240 Series; L1A2 all equipped with blank firing adapter
<b>Technical Data:</b>	
<b>1. Length and Weight:</b>	
1.1. Round Length	62.5 – 69.5mm
1.2. Round Weight	Manufacturer's Standard
<b>2. Cartridge Case Material:</b>	Brass
<b>3. Primer:</b>	Percussion, Boxer Type
<b>4. Propellant Type:</b>	Smokeless Powder
5.1. Net Explosive Weight (NEW) per round	Manufacturer's Standard
<b>5. Metallic Link:</b>	M13 or equivalent
<b>6. Packaging of the ammunition:</b>	
6.1. Inner	M2A1 Metal box with tamper-proof seal
6.2. Outer	Wooden box (Termite Treated) or Hard Plastic box or Metal box with tamper-proof seal
<b>7. Markings:</b>	
7.1. Cartridge Case Headstamp	Manufacturer's Code Year of Manufacture (last 2 digits)
7.2. Inner Packaging	Standard Nomenclature "Cartridge, 7.62mm: Blank, Linked or Ctg, 7.62mm: Blk, Lkd" Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production Name of Manufacturer Quantity per carton box Date of Manufacture



HONOR. PATRIOTISM. DUTY. *[Signature]*

**Conforme:**

\_\_\_\_\_

Bidder's Company Name

\_\_\_\_\_

Signature of Authorized Representative

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Designation

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Date



**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm: Blank, Linked  
 TS NR: ORDAD05DKL-00104-23

7.3. Outer Packaging	"Philippine Army"
	"PH Government Property"
	Standard Nomenclature "Cartridge, 7.62mm: Blank, Linked or Ctg, 7.62mm: Blk, Lkd"
	Lot Number shall indicate the following: - Manufacturer's Code - Month of Production - Year of Production
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total Net Explosive Weight
	Dimension
	Hazard Classification Code
Date of Manufacture	
<b>8. Performance:</b>	
8.1. Residual Stress Test	The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes
8.2. Waterproof	The blank cartridge shall not produce more than one (1) bubble from the mouth of the case or from the primer or from both when subjected to 50 kPa below atmospheric pressure for 30 seconds
8.3. Primer Sensitivity	The primers shall fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 500mm
8.4. Primer Insensitivity	The primers shall not fire when a steel ball weighing $111.7 \pm 0.57$ grams is dropped from a height of 75mm
8.5. Noise Level	The noise level of the blank cartridge shall be according to the manufacturer's standard
8.6. Screen Perforation	The screen perforation requirement of the blank cartridge shall be according to the manufacturer's standard
8.7. Function and Casualty	The blank cartridge shall be free from defects as stated in the Types and Classification of Defects – Function and Casualty when fired using the weapon stated in the weapons application or its equivalent



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TECHNICAL SPECIFICATIONS for Cartridge, 7.62mm Blank, Linked  
TS NR: ORDA05/BSL-0004-23

8.8. Metallic Link Corrosion Resistance	The metallic links shall be free from rust or corrosion after being subjected to salt spray/fog test for a minimum of 48 hours
9. Other Requirements:	
9.1. Technical Data Sheet	Required and placed inside every outer packaging

**PREPARED BY:**

  
**GIOVANNI D PEÑAFLORES JR**  
 Major (OS) PA  
 Chief, Firepower Branch, OACOCS

  
**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, PRB, OACOCS

**RECOMMENDED BY:**

  
**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS

**APPROVED BY:**

  
**ROMEO S BRAWNER JR**  
 General PA  
 Commanding General

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PA TAP NR FAM – 19(Blank) – 03 – 17



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OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

MAY 21 2017

PA TAP NR FAM – 19(Blank) – 03 – 17

TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 5.56mm, Blank

I. REFERENCES:

- a. Technical Specifications for Ctg. 5.56, Blank (PA SPECS NR FAM – 19(Blank) – 03 – 17).
- b. ANZI/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- c. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.
- d. Military Standard 636, Subject: Visual Inspection Standard of Small Arms Ammunition through Ctg. Cal .50.
- e. Military Standard 644A, Subject: Visual Inspection Standard and Inspection Procedures for Inspection of Packaging, Packing and Markings of Small Arms Ammunition.

II. OBJECTIVES:

- a. To determine the functional reliability of the ammunition.
- b. To determine the stability of the ammunition when subjected to adverse field and storage conditions.
- c. To determine user safety when ammunition is fired in various environmental conditions.
- d. To ascertain compliance to standards and specifications.

III. GUIDELINES:

- a. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection.
- b. Technical inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the over-all workmanship, markings, color and appropriate packaging of the items.

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- c. Functional Test will be done to determine the functional performance of the ammunition.
- d. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.

**IV. PROCEDURES:**

**A. COMPLETENESS INSPECTION AND RANDOM SAMPLING:**

The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower/ Pre-Delivery Inspection (PDI) Team shall check the completeness of the goods and conduct random sampling from the lot or lots. The samples shall be properly segregated, packed, marked and secured by the members. (See Para C – Allocation of Representative Samples)

**B. TEST AND INSPECTION PARAMETERS:**

**b.1. VISUAL INSPECTION:**

**b.1.a. FOR THE PACKAGING:**

PURPOSE: This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the packaging and its markings to ensure that said shall be free from defects and meet the requirements of the Philippine Army.

PROCEDURES:

- a. Visually check the inner, intermediate and outer packaging.
- b. Inspect the presence and appropriateness of the markings.
- c. Inspect for signs of deterioration, condition of handles, loose, missing or incorrect positioned parts.


STANDARDS:

- a. The quantity required should be complete, properly marked and packed including the required components/accessories.
- b. The inner, intermediate and outer packaging shall be free from defects as stated in the Types and Classifications of Defects- Visual Inspection-Packaging.

**b.1.b. FOR THE CARTRIDGES:**

PURPOSE: This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the cartridges and to ensure that said are free from defects and meet the requirements of the Philippine Army.



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**PROCEDURES:**

- a. The sample cartridges, its parts or components shall be visually inspected for its compliance on the physical/ material technical data requirement. X-Ray Fluorescence (XRF) spectrometers/ analysers or other appropriate instruments that will precisely identify the composition of the materials may be used.
- b. Inspect for the presence and appropriateness of markings.
- c. Each sample shall be examined for presence/ evidence of defects on workmanship.
- d. Record all observations.

**STANDARDS:**

- a. The physical/ material technical data of the cartridges shall conform to the required specifications.
- b. The cartridges shall be free from defects as stated in the **Types and Classifications of Defects- Visual Inspection- Cartridges.**

**b.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**PURPOSE:** This test shall be performed to determine compliance of the cartridges to the provided weight and dimensional requirements in the technical specifications and meet the requirements of the Philippine Army.

**PROCEDURES:**

- a. The sample cartridges, its parts or components shall be measured by using a weighing scale, go and no go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.
- b. Record the weight and measured dimensions.

**STANDARDS:**

a. The lower and upper limits for the weight and dimension of the cartridges shall be the following:

Particulars	Minimum	Maximum
Round Weight	100 grains	119 grains
Round Length	47mm	57.40mm

b. The cartridges shall be free from defects as stated in the **Types and Classifications of Defects- Weight and Dimensional Inspection.**

**b.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the ammunition will efficiently function and perform accordingly based on the established standards and



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specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**1. WATERPROOF TEST:**

PURPOSE: This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

PROCEDURES:

- a. Immerse the sample cartridges in the water six (6) inches deep with positive internal pressure of 2 pounds per square inch (2 psi) for not less than fifteen (15) seconds.
- b. Observe for the formation of bubbles from the sample cartridges.
- c. Record all observations.

STANDARD: The cartridges shall not release more than one (1) bubble of air from the mouth of the case or from the primer or from both when subjected to a positive internal pressure of 2 pounds per square inch (2 psi).

**2. PRIMER SENSITIVITY TEST:**

PURPOSE: This test shall be performed to ensure that the percussion primer sensitivity is within acceptable range to ensure reliable functioning.

PROCEDURES:

- a. Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .
- b. The steel ball shall be dropped from a height of 500mm onto the primed cartridge case.

STANDARD: All primers must fire when the steel ball is dropped from a height of 500mm.

**3. PRIMER INSENSITIVITY TEST:**

PURPOSE: This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

PROCEDURES:

- a. Primed sample cartridge cases shall be tested using a steel ball weighing  $112 \pm 0.5g$ .
- b. The steel ball shall be dropped from a height of 76mm onto the primed cartridge case.

STANDARD: All primers must not fire when the steel ball is dropped from a height of 76mm.



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**4. RESIDUAL STRESS TEST:**

**PURPOSE:** This test shall be performed to determine the integrity of the cartridge case.

**PROCEDURES:**

- a. Immerse the sample cartridges in a 1% mercurous nitrate solution for 15 minutes.
- b. Rinse, clean and examine each sample cartridges after the required test period.
- c. Record the condition of every sample cartridges.

**STANDARD:** The cartridge case shall not split or crack when subjected to one (1) percent mercurous nitrate solution for 15 minutes.

**5. FUNCTION AND CASUALTY TEST:**

**PURPOSE:** This test shall be performed to ascertain the complete functional of the ammunition and ensure that there shall be no malfunction when used in defined service weapon.

**PROCEDURES:**

- a. Sample cartridges conditioned at ambient temperature shall be fired using two (2) or more compatible weapons chambered for this type of ammunition.
- b. Collect all spent cartridge cases and inspect.
- c. Record all observations.

**STANDARD:** The sample cartridges shall function without casualty when fired at ambient temperature.

**C. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table – 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	REFERENCE
<b>A. Visual Inspection: (Representative samples)</b>		
1. For the Cartridges	100% of the quantity of samples indicated in Sampling Plan Tables	Para B of sampling plan table corresponding to the ammunition lot size based on ANZIASQ Z.1-2003 ML STD 105E ML STD 635
2. For the Packaging	Number of packaging where the inspected sample cartridges were taken.	Para A of sampling plan table based on ANZIASQ Z.1-2003ML STD 105E ML STD 644



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B. Weight and Dimensional Inspection: (Representative samples)		
1. Round Weight 2. Round Length	100% of the quantity of samples indicated in Sampling Plan Tables	Para B of sampling plan table corresponding to the ammunition lot size based on ANZ/ASQ Z.1-2003/ MIL STD 105E
C. Performance Tests: (Samples to undergo the test shall be taken from the representative samples that passed the Visual, Weight and Dimensional Inspection)		
1. Waterproof Test	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZ/ASQ Z.1-2003/MIL STD 105E
2. Residual Stress	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	
3. Primer Sensitivity	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZ/ASQ Z.1-2003/MIL STD 105E
4. Primer Insensitivity	50% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	
5. Function and Casualty Test	100% of the quantity of samples indicated in Para C Tables corresponding to the ammunition lot size.	Para C of sampling plan table based on ANZ/ASQ Z.1-2003/MIL STD 105E

**D. MANUFACTURER'S QUALITY CONTROL CERTIFICATE:**

For every lot/s of ammunition that composed the procured quantity, the manufacturer shall submit the following quality control certificates for raw materials and major components used during manufacture/ assembly of the said ammunition lot/s:

1. That primers came from one (1) production lot.
2. That propellants came from one (1) production lot.
3. That cartridge case came from one (1) production lot.

**V. TYPES AND CLASSIFICATIONS OF DEFECTS:**

**TABLE – 2**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS		
	CRIT	MAJ	MIN
<b>A. Visual Inspection:</b>			
<b>1. For the Packaging:</b>			
- Carrying handle missing, incorrectly positioned, or in poor state		X	
- Box cannot be properly closed and secured		X	
- Incorrect, missing or illegible markings		X	
- Signs of damage, splits, breakage			X
- Severe dents, buckles or other damage			X



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- Adhesive sealing tape/ Protective coating damaged			X
- Quantity of boxes or number of cartridges per packaging requirement not complied			X
- Packaging material not according to specifications			X
<b>2. For the Cartridges:</b>			
- Corrosion or stain with etching		X	
- Discolored, dirty, oily, or smeared			X
<b>Case:</b>			
- Perforated case	X		
- Case Split in K, L, or M location	X		
- Case mouth not crimped in cannellure		X	
- No evidence of mouth anneal		X	
- Draw scratch		X	
- Chamfer missing on head (rim)		X	
- Split case in I, S or J location		X	
- Scaly metal			X
- Fold, Wrinkle, Buckle or Bulge			X
- Head Stamp missing or illegible			X
- Defective head			X
- Defective mouth			X
- Case dented			X
<b>Primer:</b>			
- Primer missing	X		
- Primer Cocked	X		
- Primer inverted	X		
- Loose primer		X	
- Nicked or dented primer			X
- No waterproofing material (primer pocket point)			X
<b>B. Weight and Dimensional Inspection:</b>			
- Round weight not within 100 grains to 118 grains		X	
- Round length not within 47mm to 57.40mm		X	
<b>C. Performance Test:</b>			
- Case split or crack when subjected to one (1) percent mercurous nitrate solution		X	
- The cartridge released more than one bubble		X	
<b>D. Function and Casualty Test:</b>			
- Primer perforation		X	
- Loose primer		X	
- Blown primer		X	
- Cartridge case longitudinal split or crack	X		
- Circumferential rupture (complete)	X		
- Circumferential rupture (partial)		X	
- Misfired cartridge		X	
- Does not fit in the chamber		X	
- Premature firing	X		



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PA TAP NR FAM - 19(Blank) - 03 - 17

**VI. ACCEPTANCE AND REJECTION:**

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the attached Sampling Plan Tables for Visual Inspection, Weight and Dimensional Inspection, Performance Test, and Functional Test based on ANZ/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes/MIL-STD 105E: Sampling Procedures and Tables for Inspection by Attributes dated 10 May 1989.

**VII. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

RECOMMENDED BY:

  
ROMEO E. NORIEGA  
Major, (OS) PA  
Chief, Firepower Branch

APPROVED BY:

  
THEODORE L. DIZON  
Colonel, GSC (OS) PA  
Chief

NOTED BY:

  
GLORIOSO V. MIRANDA  
Lieutenant General, AFP  
Acting Commanding General, PA

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ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.  
TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank  
TAP NR: ORDA05(BK-01)04-23



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OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

TAP NR: ORDA05(BK-01)04-23

AUG 03 2023

**TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 7.62mm: Blank**

**1. REFERENCES:**

- 1.1. Technical Specification for Cartridge, 7.62mm: Blank dated \_\_\_\_\_
- 1.2. Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.

**2. OBJECTIVES:**

- 2.1. To ascertain compliance to standards and specifications.
- 2.2. To determine the functionality and stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when the ammunition is fired in various environmental conditions.

**3. GUIDELINES:**

- 3.1. The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall ensure the conduct of test and inspection according to the prescribed procedures. Any clarification on the procedures shall be consulted to the Inspection Team.
- 3.2. Inspection of the item shall be conducted by the personnel who have **technical knowledge** relevant to the item to be inspected.
- 3.3. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection. (If the result is incomplete, do not proceed to the next step and terminate inspection.)
- 3.4. Tests and inspections will be conducted per production lot. Sample/s will be selected and must be representative of the entire lot under evaluation.
- 3.5. Inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the overall workmanship, markings, color and appropriate packaging of the items.
- 3.6. The samples to be used during the series of inspections and tests shall be over and above the quantity to be delivered.
- 3.7. All Manufacturer's Standard shall be provided with certification and be given to the inspection team prior the conduct of test/inspection.
- 3.8. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.
- 3.9. All measuring instruments shall be calibrated within 1-year prior the date of test and shall be supported with certification.






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*TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank*  
TAP NR: DRDA05(BK-01)04-23

**4. METHODOLOGY:**

4.1. This Test and Acceptance Procedure (TAP) is divided into four (4) phases:

4.1.1. **Completeness Inspection and Random Sampling Phase.** This phase shall cover the completeness inspection of the ammunition and random selection of representative samples.

4.1.2. **Physical, Visual, Weight and Dimensional Inspection Phase.** This phase shall cover the visual inspection of the packaging and ammunition in terms of overall workmanship, markings and material. Likewise, measurement of weight and dimensions shall be done in this phase.

4.1.3. **Performance Test Phase.** This phase shall cover the performance testing to determine the performance and functionality of the ammunition and its compliance to the standards.

4.1.4. **Validation and Evaluation of Documents Phase.** This phase shall cover the review and validation of the provided and submitted test certificates, tests results and manufacturer's standard specifications to determine compliance of the ammunition to the specifications and standards.

**5. PROCEDURES:**

**5.1. COMPLETENESS INSPECTION:**

5.1.1. **Purpose:** The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall check the completeness of the items to be delivered.

**5.1.2. Procedures:**

5.1.2.1. Physically count the completeness of the ammunition to be delivered. If the result is incomplete delivery, do not proceed to the next step and terminate inspection.

5.1.2.2. Randomly draw the samples and allocate sampling for the series of inspection and tests. (See Para 6 - Allocation of Representative Sample).

5.1.2.3. The samples shall be properly segregated, packed, marked and secured by the Inspection Team.

5.1.2.4. Pallets where the samples were taken shall be replenished, properly packed and sealed by the manufacturer and shall be marked by the TIAC.

5.1.2.5. Observations shall be recorded.

5.1.3. **Standard:** The ammunition to be delivered shall be complete.

**5.2. PHYSICAL, VISUAL, WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.1. PHYSICAL AND VISUAL INSPECTION:**

**5.2.1.1. FOR PACKAGING:**

5.2.1.1.1. **Purpose:** This non- destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP NR. CRDA553K-01J04-23

the packaging to ensure that the inspected item shall be free from defects and meet the requirements.

**5.2.1.1.2. Procedures:**

**5.2.1.1.2.1.** Visually check the outer, intermediate and inner packaging to determine compliance on the physical and material requirements and secure a certification.

**5.2.1.1.2.2.** Inspect the presence and appropriateness of the markings.

**5.2.1.1.2.3.** Inspect for signs of deterioration and damage.

**5.2.1.1.2.4.** Observations shall be recorded.

**5.2.1.1.3. Standard:** The packaging shall be free from defects as stated in the **Types and Classifications of Defects- Physical and Visual Inspection- For the Packaging**.

**5.2.1.2. FOR THE CARTRIDGES:**

**5.2.1.2.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of the blank cartridge and ensure that it is in accordance with the requirements.

**5.2.1.2.2. Procedures:**

**5.2.1.2.2.1.** Visually inspect the sample blank cartridge to include its parts or components for its compliance on the physical and material requirement and secure a certification.

**5.2.1.2.2.2.** Inspect for the presence and appropriateness of markings.

**5.2.1.2.2.3.** Each sample shall be examined for presence or evidence of defect on workmanship.

**5.2.1.2.2.4.** Observations shall be recorded.

**5.2.1.2.3. Standard:** The blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Physical and Visual Inspection – For the Cartridges**.

**5.2.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.2.1. Purpose:** This test shall be performed to determine the compliance of the blank cartridge to the weight and dimension requirement.

**5.2.2.2. Procedures:**

**5.2.2.2.1.** The weight of the sample blank cartridges shall be measured by using a weighing scale or other appropriate measuring instruments.

**5.2.2.2.2.** The dimension of the sample blank cartridges shall be measured by using a go and no-go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

**5.2.2.2.3.** Measured weight and dimension shall be recorded.



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
TAP No: ORDA05/BR-01/04-23

5.2.2.3. **Standards:** The weight and dimension shall be according to specifications.

**5.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the blank cartridge will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**5.3.1. RESIDUAL STRESS TEST:**

5.3.1.1. **Purpose:** This test shall be performed to determine the integrity of the cartridge case.

**5.3.1.2. Procedures:**

5.3.1.2.1. Immerse the sample blank cartridges in a 1% mercurous nitrate solution for 15 minutes.

5.3.1.2.2. Rinse, clean and examine each sample cartridge after the required test period.

5.3.1.2.3. Record observations.

5.3.1.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.2. WATERPROOF TEST:**

5.3.2.1. **Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

**5.3.2.2. Procedures:**

5.3.2.2.1. Immerse the sample blank cartridges in the water six (6) inches deep and applied pressure of 50 kPa below atmospheric pressure for 30 seconds.

5.3.2.2.2. Observe the formation of bubbles from the sample blank cartridges.

5.3.2.2.3. Record all observations.

5.3.2.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.3. PRIMER SENSITIVITY TEST:**

5.3.3.1. **Purpose:** This test shall be performed to determine the reliability of the percussion primer and ensure that its sensitivity is within the acceptable range.

**5.3.3.2. Procedures:**

5.3.3.2.1. The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

5.3.3.2.2. The steel ball shall be dropped from a height of 500mm to the primed cartridge case.



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5.3.3.2.3. Results and observations shall be recorded.

5.3.3.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.4. PRIMER INSENSITIVITY TEST:**

5.3.4.1. **Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

**5.3.4.2. Procedures:**

5.3.4.2.1. The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

5.3.4.2.2. The steel ball shall be dropped from a height of 75mm to the primed cartridge case.

5.3.4.2.3. Results and observations shall be recorded.

5.3.4.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.5. NOISE LEVEL TEST:**

5.3.5.1. **Purpose:** This test shall be performed to determine if the sound produced by the blank cartridge during firing falls within the specified standard.

**5.3.5.2. Procedures:**

5.3.5.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.

5.3.5.2.2. A suitable firing room shall be designated.

5.3.5.2.3. An observer must be stationed near the noise level meter or equivalent instrument to ensure full observation of the result.

5.3.5.2.4. Using any applicable procedure in accordance to the standard of the manufacturer, the noise level of the blank cartridge shall be measured using a noise level meter or equivalent instrument.

5.3.5.2.5. Results and observations shall be recorded.

5.3.5.2.6. This test may be done simultaneously with the Screen Perforation Test and Function and Casualty Test.

**5.3.5.3. Standards:**

5.3.5.3.1. Performance of the sample blank cartridge shall be according to specification.

5.3.5.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.3.6. SCREEN PERFORATION TEST:**

5.3.6.1. **Purpose:** This test shall be performed to determine if the wads or fragments will perforate the specified target paper placed in line of fire at a specified distance from the muzzle of the weapon.



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**5.3.6.2. Procedures:**

- 5.3.6.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.
- 5.3.6.2.2. A suitable firing range shall be designated.
- 5.3.6.2.3. Prepare the specified target paper in accordance to the standard of the manufacturer stretched tightly on the target screen.
- 5.3.6.2.4. Placed the target paper at a specified distance in accordance to the standard of the manufacturer from the muzzle of the weapon directly to the line of fire.
- 5.3.6.2.5. Using any applicable procedure in accordance to the standard of the manufacturer, the blank cartridge shall be fired to the targets and observed if there are perforations cause by wads or fragments.
- 5.3.6.2.6. Results and observations shall be recorded.
- 5.3.6.2.7. This test may be done simultaneously with the Noise Level Test and Function and Casualty Test.

**5.3.6.3. Standards:**

- 5.3.6.3.1. Performance of the sample blank cartridge shall be according to specification.
- 5.3.6.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.3.7. FUNCTION AND CASUALTY TEST:**

5.3.7.1. **Purpose:** This test shall be performed to ascertain the complete functional performance of the blank cartridge and ensure that there shall be no malfunction attributed to the blank cartridge.

**5.3.7.2. Procedures:**

- 5.3.7.2.1. The sample blank cartridge conditioned at ambient temperature shall be fired using two (2) or more weapons stated in the weapons application or its equivalent.
- 5.3.7.2.2. Collect all spent cartridge cases and inspect.
- 5.3.7.2.3. Result and observations shall be recorded.

5.3.7.3. **Standard:** The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.4. TEST CERTIFICATES AND OTHER DOCUMENTATIONS:**

5.4.1. In this phase, certified test results to include certifications but not limited to the following shall be secured, reviewed and validated by the Inspection Team:

- 5.4.1.1. Round Length
- 5.4.1.2. Round Weight
- 5.4.1.3. Cartridge Case Material
- 5.4.1.4. Primer Type
- 5.4.1.5. Propellant Type
- 5.4.1.6. Net Explosive Weight per cartridge
- 5.4.1.7. Metallic Link Type
- 5.4.1.8. Metal Box Type (Inner Packaging)



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- 5.4.1.9. Date of Manufacture of the ammunition
- 5.4.1.10. All performance specifications

**6. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table- 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	CRITERIA
<b>A. Physical and Visual Inspection: (Representative samples)</b>		
1. For the Packaging	100% of the quantity of samples indicated in Table 1 – For Visual Inspection of Packaging corresponding to the total number of packaging for lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
2. For the Cartridge	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
<b>B. Weight and Dimensional Inspection: (Representative Sample)</b>		
1. Round Length 2. Round Weight	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
<b>C. Performance Tests: (Samples to undergo the test shall be taken from the representative samples that passed the Physical, Visual, Weight and Dimensional Inspection)</b>		
1. Residual Stress Test	50 rounds	Note 1
2. Waterproof Test	20 rounds	Note 2
3. Primer Sensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
4. Primer Insensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
5. Noise Level Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
6. Screen Perforation Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
7. Function and Casualty Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal



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Tests of Ammunition corresponding to the lot size	.22 up to Ctg. 30mm) dated 20 August 2018.
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**Notes:**

1 - (a) If any cartridge is found to have crack/s or split/s in its case other than the "I" area, the lot will be rejected.

(b) If crack/s or split/s is found in the "I" area of the case, following will apply:

- If one (1) or two (2) cartridge/s in the first sample are found to have crack/s or split/s, the lot will be accepted;

- If three (3) cartridges in the first sample are found to have crack/s or split/s, a retest will be conducted on the second sample consisting of twice the number as the first sample. If the second sample is found to be free from crack/s or split/s, the lot will be accepted;

- If four (4) or more cartridges in the first sample are found to have crack/s or split/s, the lot will be rejected.

(c) In the event that the crack/s or split/s is found in the "I" area extending in the other areas of the case, Note 1(a) will apply. (See Figure 1 – Location of Defects)

2 - Failure of nine (9) or more cartridges to comply with the standard shall cause rejection of the lot. If four (4) cartridges or less fail in the first test, the lot will be accepted. If more than four (4) but less than nine (9) cartridges fail in the first test, a second sample consisting of twice the number of cartridges as the first sample will be tested. The lot shall be rejected if, in the combined first and second samples, nine (9) or more cartridges fail to comply with the standard.

**7. TYPES AND CLASSIFICATION OF DEFECTS:**

**Table-2**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS	
	MAJ	MIN
<b>7.1. Physical and Visual Inspection:</b>		
<b>7.1.1. For the Packaging:</b>		
7.1.1.1. Material not according to specification	X	
7.1.1.2. No provision of packaging as stated in the specifications	X	
7.1.1.3. Damaged, missing and incorrectly positioned parts		X
7.1.1.4. Incorrect, missing or illegible markings		X
7.1.1.5. Evidence of poor workmanship		X
<b>7.1.2. For the Cartridges:</b>		
7.1.2.1. Corrosion or stain with etching	X	
7.1.2.2. Discolored, dirty, oily, or smeared		X
<b>7.1.2.3. Case:</b>		
7.1.2.3.1. Perforated case	X	
7.1.2.3.2. Case split on K, L or M location	X	
7.1.2.3.3. Case material not according to specification	X	



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
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7.1.2.3.4.	Case mouth (rosette) crimp defective or missing	X	
7.1.2.3.5.	No evidence of mouth anneals	X	
7.1.2.3.6.	Draw scratch	X	
7.1.2.3.7.	Chamfer missing on head (rim)	X	
7.1.2.3.8.	Case split on I, S or J location	X	
7.1.2.3.9.	Beveled underside of head	X	
7.1.2.3.10.	Scaly metal		X
7.1.2.3.11.	Fold, wrinkle, buckle or bulge		X
7.1.2.3.12.	Headstamp incomplete, missing or illegible		X
7.1.2.3.13.	Defective head		X
7.1.2.3.14.	Defective mouth		X
7.1.2.3.15.	Case dented		X
7.1.2.4.	<b>Primer:</b>		
7.1.2.4.1.	Primer missing	X	
7.1.2.4.2.	Primer cocked	X	
7.1.2.4.3.	Primer inverted	X	
7.1.2.4.4.	Primer type not according to specification	X	
7.1.2.4.5.	Loose Primer	X	
7.1.2.4.6.	Nicked or dented primer		X
7.1.2.4.7.	No waterproofing material (primer pocket point)		X
7.1.2.5.	<b>Propelling Charge:</b>		
7.1.2.5.1.	Propelling charge not according to specification	X	
7.2.	<b>Weight and Dimensional Inspection:</b>		
7.2.1.	Round length not according to specification	X	
7.2.2.	Round weight not according to specification	X	
7.3.	<b>Performance:</b>		
7.3.1.	Primer sensitivity requirement not according to specification	X	
7.3.2.	Primer insensitivity requirement not according to specification	X	
7.3.3.	Noise level requirement not according to specification	X	
7.3.4.	Screen perforation requirement not according to specification	X	
7.3.5.	<b>Function and Casualty:</b>		
7.3.5.1.	Misfire	X	
7.3.5.2.	Hang Fire	X	
7.3.5.3.	Perforation in firing pin indent in primer cup	X	
7.3.5.4.	Other defects that will likely result to unsafe conditions	X	
7.3.5.5.	Blown or dropped primer out of pocket	X	
7.3.5.6.	Loose primer, but remains in pocket	X	
7.3.5.7.	Escape of gas around primer cup		X
7.3.5.8.	Failure to extract	X	
7.3.5.9.	Other ammunition defect that is likely to result in failure of the weapon	X	
7.3.5.10.	<b>Cartridge Case (Refer to Figure 1)</b>		
7.3.5.10.1.	Cartridge case longitudinal split (to head - L)	X	
7.3.5.10.2.	Cartridge case longitudinal split (through head - M)	X	
7.3.5.10.3.	Circumferential rupture (partial, shoulder or body - J, K, L and S)	X	
7.3.5.10.4.	Circumferential rupture (complete)	X	



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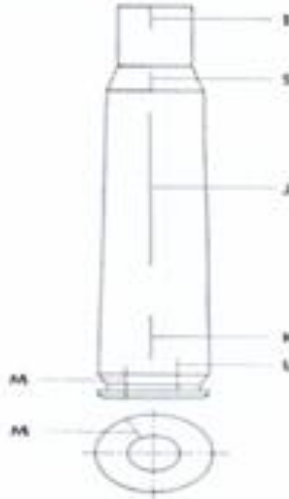




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 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank  
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7.3.5.10.5. Cartridge case longitudinal split (body – J or K)	X	
7.3.5.10.6. Cartridge case longitudinal split (neck and shoulder – I or S)	X	

Figure 1 – Location of Defects



**Note:** A defect is any nonconformance of a single unit of product (Cartridge) with respect to a given standard specification. Every nonconformance observed or noted in every cartridge shall be counted individually as one defect.

**8. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

**GIOVANNI D PENAFLORES JR**  
 Major (OS) PA  
 Chief, Firepower Branch

**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, Plans & Research Branch

**APPROVED BY:**

**JESUS JEFFREY F GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS



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PA TAP NR FAM – 19(BL) – 12 – 19



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

PA TAP NR FAM – 19(BL) – 12 – 19

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TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 5.56mm: Blank, Linked

1. REFERENCES:

- 1.1. Technical Specifications for Ctg. 5.56mm: Blank, Linked dated \_\_\_\_\_.
- 1.2. ANZ/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- 1.3. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.
- 1.4. Military Standard 636, Subject: Visual Inspection Standard of Small Arms Ammunition through Ctg. Cal .50.
- 1.5. Military Specification for Ctg. 5.56mm, Blank, M200A1 MIL-C-70724 (AR) dated 22 October 1992.

2. OBJECTIVES:

- 2.1. To determine the functional reliability of the ammunition.
- 2.2. To determine the stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when ammunition is fired in various environmental conditions.
- 2.4. To ascertain compliance to standards and specifications.

3. GUIDELINES:

- 3.1. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection.
- 3.2. Technical inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the over-all workmanship, markings, color and appropriate packaging of the items.
- 3.3. Functional Test will be done to determine the functional performance of the ammunition.
- 3.4. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.

4. PROCEDURES:

4.1. COMPLETENESS INSPECTION AND RANDOM SAMPLING:

The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower/ Pre-Delivery Inspection (PDI) Team shall check the completeness of the goods and conduct random sampling from the lot or lots. The samples shall be properly segregated, packed, marked and secured by the members. (See Para 4.3. – Allocation of Representative Samples)



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**4.2. TEST AND INSPECTION PARAMETERS:**

**4.2.1. VISUAL INSPECTION:**

**4.2.1.1. FOR THE PACKAGING:**

**4.2.1.1.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the packaging and its markings to ensure that said items shall be free from defects and meet the requirements of the Philippine Army.

**4.2.1.1.2. Procedures:**

**4.2.1.1.2.1.** Visually check the packaging.

**4.2.1.1.2.2.** Inspect the presence and appropriateness of the markings.

**4.2.1.1.2.3.** Inspect for signs of deterioration, condition of handles, loose, missing or incorrect positioned parts.

**4.2.1.1.3. Standards:**

**4.2.1.1.3.1.** The quantity required should be complete, properly marked and packed including the required components/accessories.

**4.2.1.1.3.2.** The packaging shall be free from defects as stated in the **Types and Classifications of Defects- Visual Inspection- Packaging.**

**4.2.1.2. FOR THE CARTRIDGES:**

**4.2.1.2.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, conformity to technical specifications of the cartridges and to ensure that said cartridges are free from defects and meet the requirements of the Philippine Army.

**4.2.1.2.2. Procedures:**

**4.2.1.2.2.1.** The sample cartridges, its parts or components shall be visually inspected for its compliance on the physical/ material technical data requirement. X-Ray Fluorescence (XRF) spectrometers/ analyzers or other appropriate instruments that will precisely identify the composition of the materials may be used.

**4.2.1.2.2.2.** Inspect for the presence and appropriateness of markings.

**4.2.1.2.2.3.** Each sample shall be examined for presence/ evidence of defects on workmanship.

**4.2.1.2.3. Standards:**

**4.2.1.2.3.1.** The physical/material technical data of the cartridges shall conform to the required specifications.

**4.2.1.2.3.2.** The cartridges shall be free from defects as stated in the **Types and Classifications of Defects- Visual Inspection- Cartridges.**

**4.2.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**4.2.2.1. Purpose:** This test shall be performed to determine compliance of the cartridges to the provided weight and dimensional requirements in the technical specifications and meet the requirements of the Philippine Army.

**4.2.2.2. Procedures:**

**4.2.2.2.1.** The sample cartridges, its parts or components shall be measured by using a weighing scale, go and no go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

**4.2.2.2.2.** Record the weight and measured dimensions.



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**4.2.2.3. Standard:** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Weight and Dimensional Inspection.

**4.2.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the ammunition will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**4.2.3.1. WATERPROOF TEST:**

**4.2.3.1.1. Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

**4.2.3.1.2. Procedures:**

**4.2.3.1.2.1.** Immerse the sample cartridges in the water six (6) inches deep with positive internal pressure of 2 pounds per square inch (2 psi) for not less than fifteen (15) seconds.

**4.2.3.1.2.2.** Observe for the formation of bubbles from the sample cartridges.

**4.2.3.1.2.3.** Record all observations.

**4.2.3.1.3. Standard:** Performance of the sample cartridge shall be according to specification.

**4.2.3.2. PRIMER SENSITIVITY TEST:**

**4.2.3.2.1. Purpose:** This test shall be performed to ensure that the percussion primer sensitivity is within acceptable range to ensure reliable functioning.

**4.2.3.2.2. Procedures:**

**4.2.3.2.2.1.** Primed sample cartridge cases shall be tested using a steel ball weighing 112 ± 0.5g.

**4.2.3.2.2.2.** The steel ball shall be dropped from a height of 500mm onto the primed cartridge case.

**4.2.3.2.2.3.** Record all observations.

**4.2.3.2.3. Standard:** Performance of the sample cartridge shall be according to specification.

**4.2.3.3. PRIMER INSENSITIVITY TEST:**

**4.2.3.3.1. Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

**4.2.3.3.2. Procedures:**

**4.2.3.3.2.1.** Primed sample cartridge cases shall be tested using a steel ball weighing 112 ± 0.5g.

**4.2.3.3.2.2.** The steel ball shall be dropped from a height of 76mm onto the primed cartridge case.

**4.2.3.3.2.3.** Record all observations.

**4.2.3.3.3. Standard:** Performance of the sample cartridge shall be according to specification.



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**4.2.3.4. SCREEN PERFORATION TEST:**

**4.2.3.4.1. Purpose:** This test shall be performed to ascertain that the ammunition will not cause serious injury at a specified distance from the muzzle.

**4.2.3.4.2. Procedures:**

**4.2.3.4.2.1.** Sample cartridges conditioned at ambient temperature shall be fired using two (2) or more weapons for this type of ammunition in the following mode of firing.

**4.2.3.4.2.2.** A paper sheet (4x4 ft minimum) shall be stretched tightly over a rigid frame of the same size and shall be placed at a specified distance from the weapon.

**4.2.3.4.2.3.** Sample cartridge shall be fired with the BFA orifice perpendicular to the target.

**4.2.3.4.2.4.** Record all observations.

**4.2.3.4.2.5.** This test may be carried out simultaneously with the cyclic rate and function and casualty test.

**4.2.3.4.3. Standard:**

**4.2.3.4.3.1.** Performance of the sample cartridge shall be according to specification.

**4.2.3.4.3.2.** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

**4.2.3.5. CYCLIC RATE TEST:**

**4.2.3.5.1. Purpose:** To determine the rate of fire of the weapon when fired in full-automatic mode.

**4.2.3.5.2. Procedures:**

**4.2.3.5.2.1.** Place the weapon on a rifle rest or equivalent.

**4.2.3.5.2.2.** One hundred (100) rounds shall be fired using a standard weapon specified in the weapons application for warming.

**4.2.3.5.2.3.** One hundred (100) rounds shall be fired in full-automatic mode.

**4.2.3.5.2.4.** Using an electronic timer or stopwatch, record time.

**4.2.3.5.2.5.** Compute the CRF using the formula:

$$CRF = \frac{\text{Number of rounds fired}}{\text{Time consumed (in minutes)}}$$

**4.2.3.5.2.6.** Three (3) trials shall be performed and the average CRF shall be computed.

**4.2.3.5.3. Standard:**

**4.2.3.5.3.1.** Performance of the sample cartridge shall be according to specification.

**4.2.3.5.3.2.** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

**4.2.3.6. FUNCTION AND CASUALTY TEST:**

**4.2.3.6.1. Purpose:** This test shall be performed to ascertain the complete functionality of the ammunition and feedbox to ensure that there shall be no malfunction when fired from a standard weapon as specified in the Weapons Application.



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**4.2.3.6.2. Procedures:**

4.2.3.6.2.1. Sample cartridges conditioned at ambient temperature shall be fired with the feed box using two (2) or more weapons for this type of ammunition in the following mode of firing.

Nr of Rounds	Mode of Fire
100	Burst of 3-5 rds
100	Continues fire

4.2.3.6.2.2. Collect all spent cartridge cases and inspect.

4.2.3.6.2.3. Record all observations.

4.2.3.6.2.4. This test may be carried out simultaneously with the cyclic rate and screen perforation test.

4.2.3.6.3. **Standard:** The cartridges shall be free from defects as stated in the Types and Classifications of Defects- Firing Defects.

**4.2.3.7. METALLIC LINK CORROSION TEST:**

4.2.3.7.1. **Purpose:** The test shall be performed to determine that the metallic links are corrosion protected and conform to standards of the required type/model.

**4.2.3.7.2. Procedures:**

4.2.3.7.2.1. Samples of Metallic Links shall be subjected to Salt Spray Test for twenty-four (24) hours per procedure in ASTM B117 (Fog Test).

4.2.3.7.2.2. After the required test period, inspect all metallic link samples.

4.2.3.7.2.3. Record all observations.

4.2.3.7.3. **Standard:** Performance of the sample link shall be according to specification.

**4.3. ALLOCATION AND CRITERIA FOR REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table 1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	ACCEPTANCE CRITERIA
<b>A. Visual Inspection:</b>		
1. For the Packaging	100% of the Quantity of samples indicated in Para A tables corresponding to the total number of packaging for lot size.	Sampling Plan for Test and Acceptance of Ammunition for Small Arms Ammunition-Ctg. Cal .22 up to Ctg. 30mm (Attached)
2. For the Cartridges	100% of the Quantity of samples indicated in Para B tables corresponding to the lot size.	
<b>B. Weight and Dimensional Inspection:</b>		
1. Round Weight 2. Round Length	100% of the Quantity of samples indicated in Para B tables corresponding to the ammunition lot size.	Sampling Plan for Test and Acceptance of Ammunition (For Small Arms Ammunition-Ctg. Cal .22 up to Ctg. 30mm)
<b>C. Functional and Performance Tests:</b>		
1. Watertight Test	20 rounds	Note 1
2. Primer Sensitivity Test	20 rounds	Note 1
3. Primer Insensitivity Test	20 rounds	Note 1
4. Screen perforation Test	100 rounds	Note 1



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5. Cyclic Rate Test	300 rounds	Note 2 & 3
6. Function and Casualty Test	200 rounds	Note 3
7. Metallic Link Corrosion Test	50 links	Note 1

**Note:**

1 - Failure of two or more cartridges/links to comply with the applicable standard shall be cause for rejection of the lot. If one cartridge/link fails in the first test, a second sample shall be tested. If any failing cartridge/link are found in the second sample, the lot shall be rejected

2 - Failure of the cartridges to comply with the applicable requirement shall be cause for rejection of the lot subject to the testing of second sample. Failure of the cartridges in the second sample to comply with the applicable requirement shall be cause for rejection of the lot

3 - Use criteria on Table 2. All defects from Table 3C observed in function and casualty plus all other firing test conducted shall be considered.

**Table 2 – Acceptance and Rejection Number for Firing Defects**

Classification of defects	1 <sup>st</sup> sampling		1 <sup>st</sup> and 2 <sup>nd</sup> Sampling	
	Accept	Reject	Accept	Reject
Critical	0	1	-	-
Major	3	7	8	9
Minor	5	9	12	13

**5. TYPES AND CLASSIFICATIONS OF DEFECTS:**

**Table 3**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS		
	CRIT	MAJ	MIN
<b>A. Visual Inspection Defects:</b>			
<b>1. For the Packaging:</b>			
- Incorrect, incomplete, missing or illegible marking		X	
- Damaged, missing or incorrectly positioned parts			X
- Required number of cartridges per packaging not according to specification			X
- Packaging material not according to specifications			X
<b>2. For the Cartridges:</b>			
<b>Case:</b>			
- Perforated case		X	
- Split		X	
- Case material not according to specification		X	
- Beveled Underside of head		X	
- Identification Knurl missing		X	
- Mouth water proofing missing		X	
- Mouth crimp missing or incorrect		X	
- Corroded or stained if etched			X
- Discolored, dirty, oily or smeared			X
- Draw scratch			X
- Chamfer on head (rim) missing			X
- Scaly metal			X
- Fold, wrinkle, buckle or bulge			X
- Head stamp incomplete, missing, incorrect or illegible			X
- Defective or round head			X



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- Dent			X
<b>Primer:</b>			
- Primer missing		X	
- Primer cocked		X	
- Primer inverted		X	
- Primer type not according to specification		X	
- Primer loose		X	
- Nicked or dented primer			X
- No waterproofing material (primer pocket point)			X
- Defective primer crimp			X
<b>Propelling Charge:</b>			
- Propelling charge not according to specification		X	
<b>Link</b>			
- Link not according to specification		X	
- Frozen, stretched or broken, malformed or unaligned belt		X	
- Other defects that may affect the function of the belt		X	
<b>B. Weight and Dimension:</b>			
- Round weight not within specification		X	
- Round length not within the specification		X	
<b>C. Firing Defects:</b>			
- BFA blockage	X		
- Complete or partial rupture (locations S, J, K, L)	X		
- Detached material (upon firing)	X		
- Burn through	X		
- Stamfire	X		
- Misfire	X		
- Hazardous breach flash or sparks	X		
- Other defects that will likely result to unsafe conditions	X		
- Misfire		X	
- Blown/dropped primer		X	
- Split body or head (J, K, L or M location)		X	
- Gas leak at body/ head interface		X	
- Uncontrolled fire		X	
- Breach flash		X	
- Other major defect that is not critical but is likely to result in failure of the round or weapon		X	
- Malfunction attributable to feedbox		X	
- Split (S location)			X
- Gas leak through or around primer cup			X
- Detached material (upon extraction)			X
- Stoppage (attributable to ammunition)			X
- Other minor defect that is likely to reduce materially the usability of the round or weapon for its intended purpose			X



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6. ACCEPTANCE AND REJECTION:

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the attached Sampling Plan Tables for Visual Inspection, Weight and Dimensional Inspection based on ANZ/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes/MIL-STD 105E: Sampling Procedures and Tables for Inspection by Attributes dated 10 May 1989. Acceptance criteria for other weight & dimensional, Functional and Performance Tests are based on notes 1-5 under Allocation of Representative Samples.

7. RESULT:

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

PREPARED BY:

*[Signature]*  
DARREL P MARIANO  
Major, (OS) PA  
Chief, PRB

*[Signature]*  
JAY CHRISTIAN M DEGUIA  
Major, (OS) PA  
Chief, FPB

APPROVED BY:

*[Signature]*  
FLORENTE P SISON  
Colonel, MNSA PA  
Chief



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank, Linked  
TAP NR. ORDA05(BKL-00)04-23



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

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TEST AND ACCEPTANCE PROCEDURE FOR  
Cartridge, 7.62mm: Blank, Linked

1. REFERENCES:

- 1.1. Technical Specification for Cartridge, 7.62mm: Blank, Linked dated \_\_\_\_\_.
- 1.2. Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal. 22 up to Ctg. 30mm) dated 20 August 2018.

2. OBJECTIVES:

- 2.1. To ascertain compliance to standards and specifications.
- 2.2. To determine the functionality and stability of the ammunition when subjected to adverse field and storage conditions.
- 2.3. To determine user safety when the ammunition is fired in various environmental conditions.

3. GUIDELINES:

- 3.1. The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall ensure the conduct of test and inspection according to the prescribed procedures. Any clarification on the procedures shall be consulted to the Inspection Team.
- 3.2. Inspection of the item shall be conducted by the personnel who have **technical knowledge** relevant to the item to be inspected.
- 3.3. The manufacturer/supplier shall ensure that the complete quantity stated in the contract is packed/palletized prior to the inspection. (If the result is incomplete, do not proceed to the next step and terminate inspection.)
- 3.4. Tests and inspections will be conducted per production lot. Sample/s will be selected and must be representative of the entire lot under evaluation.
- 3.5. Inspection and test shall be conducted on the representative samples of the lot through visual/physical, weight and dimensional measurements to determine the overall workmanship, markings, color and appropriate packaging of the items.
- 3.6. The samples to be used during the series of inspections and tests shall be over and above the quantity to be delivered.
- 3.7. All Manufacturer's Standard shall be provided with certification and be given to the inspection team prior the conduct of test/inspection.
- 3.8. Results obtained shall be recorded and evaluated to determine the compliance of the items to technical specifications and as basis for acceptance or rejection of the lot or lots.
- 3.9. All measuring instruments shall be calibrated within 1-year prior the date of test and shall be supported with certification.



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*TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank, Linked*  
*TAP NR: ORDA05/SKL-0004-23*

**4. METHODOLOGY:**

4.1. This Test and Acceptance Procedure (TAP) is divided into four (4) phases:

4.1.1. **Completeness Inspection and Random Sampling Phase.** This phase shall cover the completeness inspection of the ammunition and random selection of representative samples.

4.1.2. **Physical, Visual, Weight and Dimensional Inspection Phase.** This phase shall cover the visual inspection of the packaging and ammunition in terms of overall workmanship, markings and material. Likewise, measurement of weight and dimensions shall be done in this phase.

4.1.3. **Performance Test Phase.** This phase shall cover the performance testing to determine the performance and functionality of the ammunition and its compliance to the standards.

4.1.4. **Validation and Evaluation of Documents Phase.** This phase shall cover the review and validation of the provided and submitted test certificates, tests results and manufacturer's standard specifications to determine compliance of the ammunition to the specifications and standards.

**5. PROCEDURES:**

**5.1. COMPLETENESS INSPECTION:**

5.1.1. **Purpose:** The Technical Inspection and Acceptance Committee (TIAC) for Ordnance-Firepower shall check the completeness of the items to be delivered.

**5.1.2. Procedures:**

5.1.2.1. Physically count the completeness of the ammunition to be delivered. If the result is incomplete delivery, do not proceed to the next step and terminate inspection.

5.1.2.2. Randomly draw the samples and allocate sampling for the series of inspection and tests. (See Para 6 - Allocation of Representative Sample).

5.1.2.3. The samples shall be properly segregated, packed, marked and secured by the Inspection Team.

5.1.2.4. Pallets where the samples were taken shall be replenished, properly packed and sealed by the manufacturer and shall be marked by the TIAC.

5.1.2.5. Observations shall be recorded.

5.1.3. **Standard:** The ammunition to be delivered shall be complete.

**5.2. PHYSICAL, VISUAL, WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.1. PHYSICAL AND VISUAL INSPECTION:**

**5.2.1.1. FOR PACKAGING:**

5.2.1.1.1. **Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm: Blank, Linked  
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the packaging to ensure that the inspected item shall be free from defects and meet the requirements.

**5.2.1.1.2. Procedures:**

**5.2.1.1.2.1.** Visually check the outer and inner packaging to determine compliance on the physical and material requirements and secure a certification.

**5.2.1.1.2.2.** Inspect the presence and appropriateness of the markings.

**5.2.1.1.2.3.** Inspect for signs of deterioration and damage.

**5.2.1.1.2.4.** Observations shall be recorded.

**5.2.1.1.3. Standard:** The packaging shall be free from defects as stated in the **Types and Classifications of Defects- Physical and Visual Inspection- For the Packaging.**

**5.2.1.2. FOR THE CARTRIDGES:**

**5.2.1.2.1. Purpose:** This non-destructive test shall be performed to determine the overall workmanship, markings and conformity to technical specifications of the blank cartridge and ensure that it is in accordance with the requirements.

**5.2.1.2.2. Procedures:**

**5.2.1.2.2.1.** Visually inspect the sample blank cartridge to include its parts or components for its compliance on the physical and material requirement and secure a certification.

**5.2.1.2.2.2.** Inspect for the presence and appropriateness of markings.

**5.2.1.2.2.3.** Each sample shall be examined for presence or evidence of defect on workmanship.

**5.2.1.2.2.4.** Observations shall be recorded.

**5.2.1.2.3. Standard:** The blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Physical and Visual Inspection – For the Cartridges.**

**5.2.2. WEIGHT AND DIMENSIONAL INSPECTION:**

**5.2.2.1. Purpose:** This test shall be performed to determine the compliance of the blank cartridge to the weight and dimension requirement.

**5.2.2.2. Procedures:**

**5.2.2.2.1.** The weight of the sample blank cartridges shall be measured by using a weighing scale or other appropriate measuring instruments.

**5.2.2.2.2.** The dimension of the sample blank cartridges shall be measured by using a go and no-go gages, vernier caliper, micrometer caliper or other appropriate measuring instruments.

**5.2.2.2.3.** Measured weight and dimension shall be recorded.

**5.2.2.3. Standards:** The weight and dimension shall be according to specifications.



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*TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked*  
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**5.3. PERFORMANCE TESTS:**

A series of tests shall be performed to ensure that the blank cartridge will efficiently function and perform accordingly based on the established standards and specifications when subjected to various methods of actuation simulating field usage and storage conditions.

**5.3.1. RESIDUAL STRESS TEST:**

**5.3.1.1. Purpose:** This test shall be performed to determine the integrity of the cartridge case.

**5.3.1.2. Procedures:**

**5.3.1.2.1.** Immerse the sample blank cartridges in a 1% mercurous nitrate solution for 15 minutes.

**5.3.1.2.2.** Rinse, clean and examine each sample cartridge after the required test period.

**5.3.1.2.3.** Record observations.

**5.3.1.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.2. WATERPROOF TEST:**

**5.3.2.1. Purpose:** This test shall be performed to ensure water resistance of ammunition wherein moisture cannot penetrate inside the ammunition.

**5.3.2.2. Procedures:**

**5.3.2.2.1.** Immerse the sample blank cartridges in the water six (6) inches deep and applied pressure of 50 kPa below atmospheric pressure for 30 seconds.

**5.3.2.2.2.** Observe the formation of bubbles from the sample blank cartridges.

**5.3.2.2.3.** Record all observations.

**5.3.2.3. Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.3. PRIMER SENSITIVITY TEST:**

**5.3.3.1. Purpose:** This test shall be performed to determine the reliability of the percussion primer and ensure that its sensitivity is within the acceptable range.

**5.3.3.2. Procedures:**

**5.3.3.2.1.** The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

**5.3.3.2.2.** The steel ball shall be dropped from a height of 500mm to the primed cartridge case.

**5.3.3.2.3.** Results and observations shall be recorded.



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TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm Blank, Linked  
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5.3.3.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.4. PRIMER INSENSITIVITY TEST:**

5.3.4.1. **Purpose:** This test shall be performed to ensure that the percussion primer insensitivity is within acceptable range to prevent inadvertent ignition.

**5.3.4.2. Procedures:**

5.3.4.2.1. The primed sample cartridge cases shall be tested using a steel ball weighing  $111.7 \pm 0.57$  grams.

5.3.4.2.2. The steel ball shall be dropped from a height of 75mm to the primed cartridge case.

5.3.4.2.3. Results and observations shall be recorded.

5.3.4.3. **Standard:** Performance of the sample blank cartridge shall be according to specification.

**5.3.5. NOISE LEVEL TEST:**

5.3.5.1. **Purpose:** This test shall be performed to determine if the sound produced by the blank cartridge during firing falls within the specified standard.

**5.3.5.2. Procedures:**

5.3.5.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.

5.3.5.2.2. A suitable firing room shall be designated.

5.3.5.2.3. An observer must be stationed near the noise level meter or equivalent instrument to ensure full observation of the result.

5.3.5.2.4. Using any applicable procedure in accordance to the standard of the manufacturer, the noise level of the blank cartridge shall be measured using a noise level meter or equivalent instrument.

5.3.5.2.5. Results and observations shall be recorded.

5.3.5.2.6. This test may be done simultaneously with the Screen Perforation Test and Function and Casualty Test.

**5.3.5.3. Standards:**

5.3.5.3.1. Performance of the sample blank cartridge shall be according to specification.

5.3.5.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.3.6. SCREEN PERFORATION TEST:**

5.3.6.1. **Purpose:** This test shall be performed to determine if the wads or fragments will perforate the specified target paper placed in line of fire at a specified distance from the muzzle of the weapon.

**5.3.6.2. Procedures:**

5.3.6.2.1. Prepare a single weapon as stated in the weapons application or its equivalent.

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- 5.3.6.2.2. A suitable firing range shall be designated.
- 5.3.6.2.3. Prepare the specified target paper in accordance to the standard of the manufacturer stretched tightly on the target screen.
- 5.3.6.2.4. Placed the target paper at a specified distance in accordance to the standard of the manufacturer from the muzzle of the weapon directly to the line of fire.
- 5.3.6.2.5. Using any applicable procedure in accordance to the standard of the manufacturer, the blank cartridge shall be fired to the targets and observed if there are perforations cause by wads or fragments.
- 5.3.6.2.6. Results and observations shall be recorded.
- 5.3.6.2.7. This test may be done simultaneously with the Noise Level Test and Function and Casualty Test.

**5.3.6.3. Standards:**

- 5.3.6.3.1. Performance of the sample blank cartridge shall be according to specification.
- 5.3.6.3.2. The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.3.7. FUNCTION AND CASUALTY TEST:**

5.3.7.1. **Purpose:** This test shall be performed to ascertain the complete functional performance of the blank cartridge and ensure that there shall be no malfunction attributed to the blank cartridge.

**5.3.7.2. Procedures:**

- 5.3.7.2.1. The sample blank cartridge conditioned at ambient temperature shall be fired using two (2) or more weapons stated in the weapons application or its equivalent.
- 5.3.7.2.2. Collect all spent cartridge cases and inspect.
- 5.3.7.2.3. Result and observations shall be recorded.

5.3.7.3. **Standard:** The sample blank cartridge shall be free from defects as stated in the **Types and Classifications of Defects – Function and Casualty.**

**5.3.8. METALLIC LINK CORROSION RESISTANCE TEST:**

5.3.8.1. **Purpose:** This test shall be performed to determine if the metallic links are corrosion protected and conform to the standard of the required type.

**5.3.8.2. Procedures:**

- 5.3.8.2.1. Prepare and clean the sample metallic links.
- 5.3.8.2.2. Prepare a 5 ±1 percent solution by dissolving 5 parts by weight of salt in 95 parts by weight of water.
- 5.3.8.2.3. Inspect the physical condition and operation of the salt spray chamber.
- 5.3.8.2.4. Support or suspend the sample metallic links inside the salt spray chamber preferably parallel to the principal direction of horizontal flow of fog through the chamber.
- 5.3.8.2.5. Place each sample metallic links with a minimum spacing of 30mm to permit free settling of fog on the samples.



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- 5.3.8.2.6. After placing the specified samples of metallic links, close the salt spray chamber.
  - 5.3.8.2.7. Appropriate sealing and marking of the salt spray chamber may be done to ensure transparency and fairness. Appropriate documentation may also be done to ensure full coverage of the test.
  - 5.3.8.2.8. With the sample metallic links in the salt spray chamber, maintained a temperature of 35<sup>±</sup>2°C (95<sup>±</sup>3°F).
  - 5.3.8.2.9. Expose the sample metallic links to salt spray or fog for a period of 48 hours.
  - 5.3.8.2.10. After the required test period, collect the sample metallic links.
  - 5.3.8.2.11. The sample metallic links may be gently washed or dipped in clean running water not warmer than 38°C (100°F) to remove salt deposits from their surface and allow drying time of atleast one (1) hour.
  - 5.3.8.2.12. Physically and visually check the sample metallic links.
  - 5.3.8.2.13. Record all observations.
- 5.3.8.3. **Standard:** Performance of the sample metallic links shall be according to specifications.

**5.4. TEST CERTIFICATES AND OTHER DOCUMENTATIONS:**

5.4.1. In this phase, certified test results to include certifications but not limited to the following shall be secured, reviewed and validated by the Inspection Team:

- 5.4.1.1. Round Length
- 5.4.1.2. Round Weight
- 5.4.1.3. Cartridge Case Material
- 5.4.1.4. Primer Type
- 5.4.1.5. Propellant Type
- 5.4.1.6. Net Explosive Weight per cartridge
- 5.4.1.7. Metallic Link Type
- 5.4.1.8. Metal Box Type (Inner Packaging)
- 5.4.1.9. Date of Manufacture of the ammunition
- 5.4.1.10. All performance specifications

**6. ALLOCATION OF REPRESENTATIVE SAMPLES:** (Based on the Attached Sampling Plan Tables for the Test and Acceptance of Ammunition)

**Table-1**

TYPE OF INSPECTION/ TEST	NR OF SAMPLES	CRITERIA
<b>A. Physical and Visual Inspection: (Representative samples)</b>		
1. For the Packaging	100% of the quantity of samples indicated in Table 1 – For Visual Inspection of Packaging corresponding to the total number of packaging for lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
2. For the Cartridge	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal



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Date



**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm Blank, Linked  
 TAP NR. ORDA05(BKL-00)04-23

	Ammunition corresponding to the lot size	22 up to Ctg. 30mm) dated 20 August 2018
<b>B. Weight and Dimensional Inspection:</b> (Representative Sample)		
1. Round Length 2. Round Weight	100% of the quantity of samples indicated in Table 2 – For Visual and Dimensional Inspection of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
<b>C. Performance Tests:</b> (Samples to undergo the test shall be taken from the representative samples that passed the Physical, Visual, Weight and Dimensional Inspection)		
1. Residual Stress Test	50 rounds	Note 1
2. Waterproof Test	20 rounds	Note 2
3. Primer Sensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
4. Primer Insensitivity Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018
5. Noise Level Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
6. Screen Perforation Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
7. Function and Casualty Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.
8. Metallic Link Corrosion Resistance Test	100% of the quantity of samples indicated in Table 3 – For Performance and Functional Tests of Ammunition corresponding to the lot size	Sampling Plans for the Test and Acceptance of Ammunition (For Small Arms Ammunition – Ctg. Cal .22 up to Ctg. 30mm) dated 20 August 2018.

**Notes:**

- 1 - (a) If any cartridge is found to have crack/s or split/s in its case other than the "I" area, the lot will be rejected.
- (b) If crack/s or split/s is found in the "I" area of the case, following will apply:
  - If one (1) or two (2) cartridge/s in the first sample are found to have crack/s or split/s, the lot will be accepted;



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**

TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
TAP NR: ORDA95(S&L-00)04-23

- If three (3) cartridges in the first sample are found to have crack/s or split/s, a retest will be conducted on the second sample consisting of twice the number as the first sample. If the second sample is found to be free from crack/s or split/s, the lot will be accepted;
- If four (4) or more cartridges in the first sample are found to have crack/s or split/s, the lot will be rejected.

(c) In the event that the crack/s or split/s is found in the "I" area extending in the other areas of the case, Note 1(a) will apply. (See Figure 1 – Location of Defects)

2 - Failure of nine (9) or more cartridges to comply with the standard shall cause rejection of the lot. If four (4) cartridges or less fail in the first test, the lot will be accepted. If more than four (4) but less than nine (9) cartridges fail in the first test, a second sample consisting of twice the number of cartridges as the first sample will be tested. The lot shall be rejected if, in the combined first and second samples, nine (9) or more cartridges fail to comply with the standard.

**7. TYPES AND CLASSIFICATION OF DEFECTS:**

**Table-2**

TYPES OF DEFECTS	CLASSIFICATION OF DEFECTS	
	MAJ	MIN
7.1. Physical and Visual Inspection:		
7.1.1. For the Packaging:		
7.1.1.1. Material not according to specification	X	
7.1.1.2. No provision of packaging as stated in the specifications	X	
7.1.1.3. Damaged, missing and incorrectly positioned parts		X
7.1.1.4. Incorrect, missing or illegible markings		X
7.1.1.5. Evidence of poor workmanship		X
7.1.2. For the Cartridges:		
7.1.2.1. Corrosion or stain with etching	X	
7.1.2.2. Discolored, dirty, oily, or smeared		X
7.1.2.3. Case:		
7.1.2.3.1. Perforated case	X	
7.1.2.3.2. Case split on K, L or M location	X	
7.1.2.3.3. Case material not according to specification	X	
7.1.2.3.4. Case mouth (rosette) crimp defective or missing	X	
7.1.2.3.5. No evidence of mouth anneals	X	
7.1.2.3.6. Draw scratch	X	
7.1.2.3.7. Chamfer missing on head (rim)	X	
7.1.2.3.8. Case split on I, S or J location	X	
7.1.2.3.9. Beveled underside of head	X	
7.1.2.3.10. Scaly metal		X
7.1.2.3.11. Fold, wrinkle, buckle or bulge		X
7.1.2.3.12. Headstamp incomplete, missing or illegible		X



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm Blank, Linked  
 TAP NR: ORDAOS(BKL-00)04-23

7.1.2.3.13.	Defective head		X
7.1.2.3.14.	Defective mouth		X
7.1.2.3.15.	Case dented		X
7.1.2.4.	<b>Primer:</b>		
7.1.2.4.1.	Primer missing	X	
7.1.2.4.2.	Primer cocked	X	
7.1.2.4.3.	Primer inverted	X	
7.1.2.4.4.	Primer type not according to specification	X	
7.1.2.4.5.	Loose Primer	X	
7.1.2.4.6.	Nicked or dented primer		X
7.1.2.4.7.	No waterproofing material (primer pocket point)		X
7.1.2.5.	<b>Propelling Charge:</b>		
7.1.2.5.1.	Propelling charge not according to specification	X	
7.1.2.6.	<b>Metallic Link:</b>		
7.1.2.6.1.	Metallic link type not according to specification	X	
7.1.2.6.2.	Presence of rust or corrosion	X	
7.1.2.6.3.	Frozen or crooked link	X	
7.2.	<b>Weight and Dimensional Inspection:</b>		
7.2.1.	Round length not according to specification	X	
7.2.2.	Round weight not according to specification	X	
7.3.	<b>Performance:</b>		
7.3.1.	Primer sensitivity requirement not according to specification	X	
7.3.2.	Primer insensitivity requirement not according to specification	X	
7.3.3.	Noise level requirement not according to specification	X	
7.3.4.	Screen perforation requirement not according to specification	X	
7.3.5.	Metallic link corrosion resistance not according to specification	X	
7.3.6.	<b>Function and Casualty:</b>		
7.3.6.1.	Misfire	X	
7.3.6.2.	Hang Fire	X	
7.3.6.3.	Perforation in firing pin indent in primer cup	X	
7.3.6.4.	Other defects that will likely result to unsafe conditions	X	
7.3.6.5.	Blown or dropped primer out of pocket	X	
7.3.6.6.	Loose primer, but remains in pocket	X	
7.3.6.7.	Escape of gas around primer cup		X
7.3.6.8.	Failure to extract	X	
7.3.6.9.	Other ammunition defect that is likely to result in failure of the weapon	X	
7.3.6.10.	<b>Cartridge Case (Refer to Figure 1)</b>		
7.3.6.10.1.	Cartridge case longitudinal split (to head - L)	X	
7.3.6.10.2.	Cartridge case longitudinal split (through head - M)	X	
7.3.6.10.3.	Circumferential rupture (partial, shoulder or body - J, K, L and S)	X	



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**ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.**  
 TEST AND ACCEPTANCE PROCEDURE for Cartridge, 7.62mm, Blank, Linked  
 TAP NR. ORDA25(BKL-00)04-23

7.3.6.10.4	Circumferential rupture (complete)	X	
7.3.6.10.5	Cartridge case longitudinal split (body – J or K)	X	
7.3.6.10.6	Cartridge case longitudinal split (neck and shoulder – I or S)	X	

Figure 1 – Location of Defects



*Note: A defect is any nonconformance of a single unit of product (Cartridge) with respect to a given standard specification. Every nonconformance observed or noted in every cartridge shall be counted individually as one defect.*

**8. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

**GIOVANNI D PEÑAFLORIDA JR**  
 Major (OS) PA  
 Chief, Firepower Branch

**ROXANNE R SANTOS**  
 Major (OS) PA  
 Chief, Plans & Research Branch

**APPROVED BY:**

**JESUS JEFFREY P GRAPA**  
 Colonel GSC (OS) PA  
 ACOCS



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg, Cal .22 up to Ctg, 30mm)



HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

AUG 20 2018

**SAMPLING PLANS FOR THE TEST AND ACCEPTANCE OF AMMUNITION**  
(For Small Arms Ammunition – Ctg, Cal .22 up to Ctg, 30mm)

**I. REFERENCES:**

- a. ANZI/ASQ Z1.4-2003: Sampling Procedures and Tables for Inspection by Attributes.
- b. Military Standard 105E dtd 10 May 89, Subject: Sampling Procedures and Tables for Inspection by Attributes.

**II. ACCEPTANCE AND REJECTION:**

Acceptability of lot/s shall be determined by using the Acceptance Quality Limit (AQL) indicated in the following Sampling Plan Tables for Visual Inspection, Dimensional Inspection, Performance Test, and Functional Test.

If the number of defects found in the first sample is equal to or less than the first **Acceptance (Ac)** number, the lot or batch shall be accepted. If the number of defects found in the first sample is equal to or greater than the first **Rejection (Re)** number, the lot or batch shall be rejected.

If the number of defects found in the first sample is between the first **Acceptance (Ac)** and **Rejection (Re)** numbers, second samples shall be inspected. The number of defects found in the first and second samples shall be accumulated. If the cumulative number of defects is equal to or less than the second acceptance number, the lot or batch shall be accepted. If the cumulative number of defects is equal to or greater than the second rejection number, the lot or batch shall be rejected.

**A. For Visual Inspection of Packaging:** Double Sampling Plan for Normal Inspection of General Inspection Level II

Table 1

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)			
				Major (6.5)		Minor (10.0)	
				Ac	Re	Ac	Re
2 - 8	A	1	2	0	1	0	2
		2	2	-	-	1	2



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg. Cal 22 up to Ctg. 30mm)

9 - 15	B	1	2	0	1	0	2
		2	2	-	-	1	2
16 - 25	C	1	3	0	2	0	2
		2	3	1	2	1	2
26 - 50	D	1	5	0	2	0	3
		2	5	1	2	3	4
51 - 90	E	1	8	0	3	1	4
		2	8	3	4	4	5
91 - 150	F	1	13	1	4	2	5
		2	13	4	5	6	7
151 - 280	G	1	20	2	5	3	7
		2	20	6	7	8	9
281 - 500	H	1	32	3	7	5	9
		2	32	8	9	12	13
501 - 1,200	J	1	50	5	9	7	11
		2	50	12	13	18	19
1,201 - 3,200	K	1	80	7	11	11	16
		2	80	18	19	26	27
3,201 - 10,000	L	1	125	11	16	11	16
		2	125	26	27	26	27
10,001 - 35000	M	1	200	11	16	11	16
		2	200	26	27	26	27
35,001 - 150,000	N	1	315	11	16	11	16
		2	315	26	27	26	27
150,001 - 500,000	P	1	500	11	16	11	16
		2	500	26	27	26	27
500,001 and over	Q	1	800	11	16	11	16
		2	800	26	27	26	27

**B. For Visual and Dimensional Inspection of Ammunition:** Double Sampling Plan for Normal Inspection of General Inspection Level II

Table 2

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)					
				Critical (.04)		Major (2.5)		Minor (4.0)	
				Ac	Re	Ac	Re	Ac	Re
2 - 8	A	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
9 - 15	B	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
16 - 25	C	1	3	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
26 - 50	D	1	5	0	1	0	1	1	2
		2	5	-	-	-	-	2	3



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg. Cal. 22 up to Ctg. 30mm)

51 - 90	E	1	8	0	1	0	2	0	2
		2	8	-	-	1	2	1	2
91 - 150	F	1	13	0	1	0	2	0	3
		2	13	-	-	1	2	3	4
151 - 280	G	1	20	0	1	0	3	1	4
		2	20	-	-	3	4	4	5
281 - 500	H	1	32	0	1	1	4	2	5
		2	32	-	-	4	5	6	7
501 - 1,200	J	1	50	0	1	2	5	3	7
		2	50	-	-	6	7	8	9
1,201 - 3,200	K	1	80	0	1	3	7	5	9
		2	80	-	-	8	9	12	13
3,201 - 10,000	L	1	125	0	1	5	9	7	11
		2	125	-	-	12	13	18	19
10,001 - 35000	M	1	200	0	1	7	11	11	16
		2	200	-	-	18	19	26	27
35,001 - 150,000	N	1	315	0	1	11	16	11	16
		2	315	-	-	26	27	26	27
150,001 - 500,000	P	1	500	1	2	11	16	11	16
		2	500	-	-	26	27	26	27
500,001 and over	Q	1	800	0	2	11	16	11	16
		2	800	1	2	26	27	26	27

C. For Performance and Functional Tests of Ammunition: Double Sampling Plan for Normal Inspection of Special Inspection Level S4

Table 3

Lot Size	Sample Size Code	Sampling	Nr of Samples	Classification of Defects (AQL)					
				Critical (.04)		Major (2.5)		Minor (4.0)	
				Ac	Re	Ac	Re	Ac	Re
2 - 15	A	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
16 - 25	B	1	2	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
26 - 90	C	1	3	0	1	0	1	0	1
		2	-	-	-	-	-	-	-
91 - 150	D	1	5	0	1	0	1	1	2
		2	5	-	-	-	-	2	3
151 - 500	E	1	8	0	1	0	2	0	2
		2	8	-	-	1	2	1	2
501 - 3,200	F	1	13	0	1	0	2	0	3
		2	13	-	-	1	2	3	4
3,201 - 10,000	G	1	20	0	1	0	3	1	4
		2	20	-	-	3	4	4	5



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SAMPLING PLAN FOR THE TEST AND ACCEPTANCE OF AMMUNITION  
(For Small Arms Ammunition - Ctg. Cal .22 up to Ctg. 30mm)

10,001 – 35,000	H	1	32	0	1	1	4	2	5
		2	32	-	-	4	5	6	7
35,001 – 500,000	J	1	50	0	1	2	5	3	7
		2	50	-	-	6	7	8	9
500,001 and over	K	1	80	0	1	3	7	5	9
		2	80	-	-	8	9	12	13

**III. RESULT:**

The result of the test based on the above criteria shall be the basis of the Philippine Army Technical Inspection and Acceptance Committee (PA-TIAC) for Ordnance-Firepower/Pre-Delivery Inspection (PDI) Team in the acceptance or rejection of the goods/items.

**PREPARED BY:**

  
**DARREL P MARIANO**  
 Major, (OS) PA  
 Chief, PRB

**APPROVED BY:**

  
**FLORENTE P SISON**  
 Colonel, MNSA PA  
 Chief



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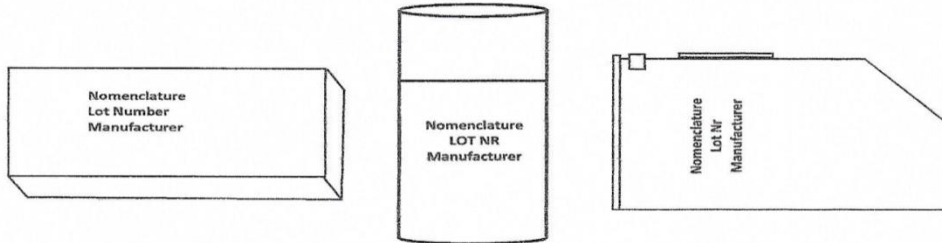


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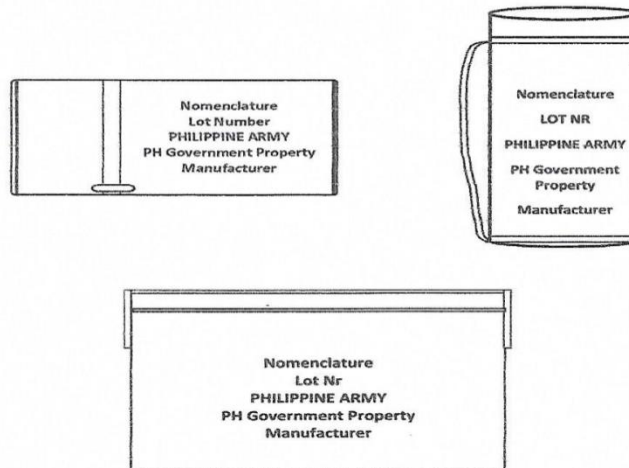
HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF ORDNANCE AND CHEMICAL SERVICE  
Fort Andres Bonifacio, Metro Manila

**SAMPLE DIAGRAM FOR MARKINGS ON PACKAGING OF  
AMMUNITION**

**INNER PACKAGING:** (Sample Illustration, Diagram Not in Scale)



**INTERMEDIATE PACKAGING:** (Sample Illustration, Diagram Not in Scale)



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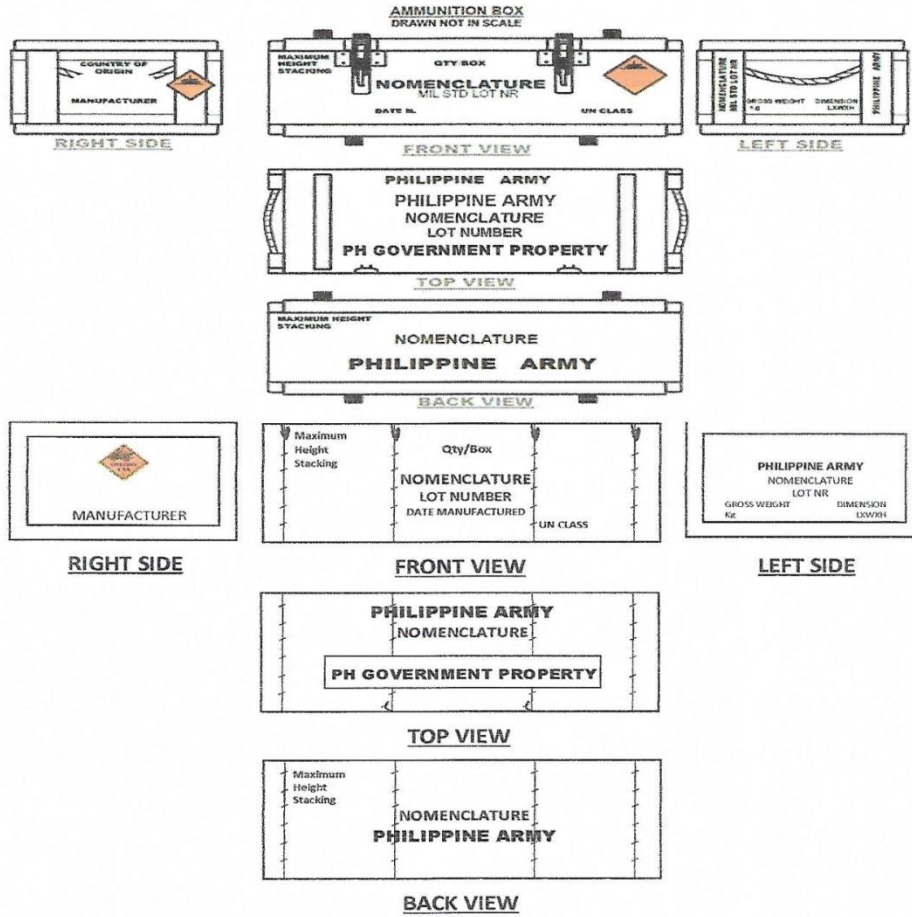
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**OUTER PACKAGING:** (Sample Illustration, Diagram Not in Scale)



**Note:** The illustrated diagram is just an example purposely to serve as reference. Placement, font size, and font-style are manufacturer's standard. Refer to Technical Specification for the minimum required markings.

PREPARED BY:

*[Signature]*  
 DARREL P MARIANO  
 MAJ (OS) PA  
 Chief, PRB

APPROVED BY:

*[Signature]*  
 FLORENTE P SISON  
 Colonel, MNSA PA  
 Chief

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## Annex 4-D

**Company Letterhead****TECHNICAL DATA SHEET****Cartridge, 5.56mm: Blank**

1. **References** (If any):
  
2. **Technical Data:** (Fill-in the required data in the table including but not limited to the dimensions, weight, components, materials, color, markings and performance of the item. Additional rows may be added to supplement the data.)

<b>Description</b>	
<b>Weapons Application:</b>	
<b>Technical Data:</b>	
<b>Dimension</b>	
Round Weight	
Round Length	
<b>Primer Type:</b>	
<b>Cartridge Case:</b>	
<b>Cartridge Markings:</b>	
Cartridge Case Head Stamp	
<b>Inner Packaging:</b>	
Markings	Nomenclature
	Lot Nr
	Manufacturer
	Quantity per Box
	Date of Manufacture
<b>Intermediate Markings</b>	
<b>Outer Packaging</b>	
Markings	Philippine Army
	PH Government Property
	Nomenclature
	Lot Nr
	Manufacturer
	Quantity per Box
	Weight (N.E.W/Net/Gross)
	Dimension

**PREPARED BY:**

\_\_\_\_\_  
 Signature over Printed Name  
PRODUCTION ENGINEER/ TECHNICAL PERSONNEL

\_\_\_\_\_  
 Date

-----  
 (Delete this portion for the Official Technical Data Sheet)

**IMPORTANT NOTES:**

**1. THIS IS A SAMPLE FORMAT ONLY. BIDDERS SHALL PROVIDE INFORMATION/DATA RELEVANT TO THE ITEM/S TO BE OFFERED.**

**2. DURING THE SUBMISSION OF BID ENVELOPE, THE TECHNICAL DATA SHEET MAY CONTAIN OR NOT THE INFORMATION/DATA CONSIDERING THAT THE ITEM/S IS STILL SUBJECT FOR PRODUCTION.**

**Company Letterhead****TECHNICAL DATA SHEET****Cartridge, 7.62mm: Blank**

1. **References** (If any):
  
2. **Technical Data:** (Fill-in the required data in the table including but not limited to the dimensions, weight, components, materials, color, markings and performance of the item. Additional rows may be added to supplement the data.)

<b>Description</b>	
<b>Weapons Application:</b>	
<b>Technical Data:</b>	
<b>1. Dimension</b>	
Round Weight	
Round Length	
<b>2. Cartridge Case Material:</b>	
<b>3. Primer:</b>	
<b>4. Propellant Type:</b>	
Net explosive Weight per round	
<b>5. Packaging</b>	
Inner	
Intermediate	
Outer	
<b>6. Markings</b>	
Cartridge Case Headstamp	Manufacturer's Code
	Year of Manufacture
Inner Packaging	Nomenclature
	Lot Nr
	Name of Manufacturer
	Quantity per carton box
	Date of Manufacture
Intermediate packaging	Nomenclature
	Lot Nr
	Name of Manufacturer
	Quantity per metal box
	Date of Manufacture
Outer Packaging	Philippine Army
	PH Government Property
	Nomenclature
	Lot Nr
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total NEW
	Dimension
	Hazard Classification Code
Date of Manufacture	

<b>7. Performance:</b>	
Residual Stress Test	
Waterproof	
Primer sensitivity	
Primer insensitivity	
Noise level	
Screen perforation	
Function and casualty	

**PREPARED BY:**

\_\_\_\_\_  
 Signature over Printed Name  
PRODUCTION ENGINEER/ TECHNICAL PERSONNEL  
 \_\_\_\_\_

-----  
 (Delete this portion for the Official Technical Data Sheet)

**IMPORTANT NOTES:**

**3. THIS IS A SAMPLE FORMAT ONLY. BIDDERS SHALL PROVIDE INFORMATION/DATA RELEVANT TO THE ITEM/S TO BE OFFERED.**

**4. DURING THE SUBMISSION OF BID ENVELOPE, THE TECHNICAL DATA SHEET MAY CONTAIN OR NOT THE INFORMATION/DATA CONSIDERING THAT THE ITEM/S IS STILL SUBJECT FOR PRODUCTION.**



**Company Letterhead****TECHNICAL DATA SHEET****Cartridge, 5.56mm: Blank, Linked**

1. **References** (If any):
2. **Technical Data:** (Fill-in the required data in the table including but not limited to the dimensions, weight, components, materials, color, markings and performance of the item. Additional rows may be added to supplement the data.)

<b>Description</b>	
<b>Weapons Application:</b>	
<b>Dimension and Weight:</b>	
Round Weight	
Round Length	
<b>Primer Type:</b>	
<b>Cartridge Case:</b>	
<b>Propelling Charge:</b>	
<b>Link:</b>	
<b>Performance Characteristics:</b>	
Waterproofness	
Primer Sensitivity	
Primer Insensitivity	
Screen Perforation	
Cyclic Rate	
Function and Casualty	
Metallic Link Corrosion Resistance	
<b>Packaging:</b>	
Inner	
Intermediate	
Outer	
<b>Markings:</b>	
Cartridge Case Head Stamp	Manufacturer's Code
	Year of Manufacture
Intermediate Packaging	Nomenclature
	Lot Nr
	Quantity per Box
Outer Packaging	Philippine Army
	PH Government Property
	Nomenclature
	Lot Nr
	Manufacturer
	Quantity per Box
	Weight
	Dimension
Hazard Classification Code	

**PREPARED BY:**

\_\_\_\_\_  
 Signature over Printed Name  
PRODUCTION ENGINEER/ TECHNICAL PERSONNEL

\_\_\_\_\_  
 Date

-----

(Delete this portion for the Official Technical Data Sheet)

**IMPORTANT NOTES:**

- 1. THIS IS A SAMPLE FORMAT ONLY. BIDDERS SHALL PROVIDE INFORMATION/DATA RELEVANT TO THE ITEM/S TO BE OFFERED.**
- 2. DURING THE SUBMISSION OF BID ENVELOPE, THE TECHNICAL DATA SHEET MAY CONTAIN OR NOT THE INFORMATION/DATA CONSIDERING THAT THE ITEM/S IS STILL SUBJECT FOR PRODUCTION.**

**Company Letterhead****TECHNICAL DATA SHEET****Cartridge, 7.62mm: Blank, Linked**

1. **References** (If any):
2. **Technical Data:** (Fill-in the required data in the table including but not limited to the dimensions, weight, components, materials, color, markings and performance of the item. Additional rows may be added to supplement the data.)

<b>Description</b>	
<b>Weapons Application:</b>	
<b>Technical Data:</b>	
<b>1. Length and Weight</b>	
Round Weight	
Round Length	
<b>2. Cartridge Case Material:</b>	
<b>3. Primer:</b>	
<b>4. Propellant Type:</b>	
Net explosive Weight per round	
<b>5. Metallic Link:</b>	
<b>6. Packaging</b>	
Inner	
Intermediate	
Outer	
<b>6. Markings</b>	
Cartridge Case Headstamp	Manufacturer's Code
	Year of Manufacture
Inner Packaging	Nomenclature
	Lot Nr
	Name of Manufacturer
	Quantity per carton box
	Date of Manufacture
Outer Packaging	Philippine Army
	PH Government Property
	Nomenclature
	Lot Nr
	Name of Manufacturer
	Quantity per Box
	Gross Weight
	Total NEW
	Dimension
	Hazard Classification Code
Date of Manufacture	
<b>8. Performance:</b>	
Residual Stress Test	
Waterproof	
Primer sensitivity	

Primer insensitivity	
Noise level	
Screen perforation	
Function and casualty	
Metallic Link Corrosion Resistance	

**PREPARED BY:**

\_\_\_\_\_  
 Signature over Printed Name  
PRODUCTION ENGINEER/ TECHNICAL PERSONNEL  
 \_\_\_\_\_

-----  
 (Delete this portion for the Official Technical Data Sheet)

**IMPORTANT NOTES:**

1. **THIS IS A SAMPLE FORMAT ONLY. BIDDERS SHALL PROVIDE INFORMATION/DATA RELEVANT TO THE ITEM/S TO BE OFFERED.**
2. **DURING THE SUBMISSION OF BID ENVELOPE, THE TECHNICAL DATA SHEET MAY CONTAIN OR NOT THE INFORMATION/DATA CONSIDERING THAT THE ITEM/S IS STILL SUBJECT FOR PRODUCTION**

**TECHNICAL BID FORM****PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25****MANUFACTURER'S CERTIFICATION ON CONFORMANCE TO THE PROJECTS  
TECHNICAL SPECIFICATIONS, PACKAGING, MARKINGS, TEST AND  
ACCEPTANCE PROCEDURES AND SAMPLING PLAN**

I, \_\_\_\_\_, (Technical Department or Production Department or Quality Assurance Department or its equivalent from the manufacturing company – please identify) of \_\_\_\_\_ (Name of Foreign Company/Bidder) hereby certify that I have read and understood each and every page of the Technical Specifications, Test and Acceptance Procedures and its Sampling Plan and AQL, Markings, and Packaging for the project, Procurement of \_\_\_\_\_ for Philippine Army under Bid Ref Nr \_\_\_\_\_ copies of which we have acknowledged to have received on \_\_\_\_\_.

I/WE understand that having issued this Certification, we conform to the requirements of the above-stated Project as detailed in the Technical Specifications and other Technical documents and that, in the event that the Contract for the Project is awarded to us, we certify to complete and accomplish our obligations in accordance with, the term and conditions of the said project. This Certification is part of our Technical Bid for the above-mentioned project.

I/WE are executing this Certification to attest to the truth of the foregoing fact/s.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

TECHNICAL DEPARTMENT OR PRODUCTION DEPARTMENT OR QUALITY  
ASSURANCE DEPARTMENT OR ITS EQUIVALENT FROM THE  
MANUFACTURING COMPANY – PLEASE IDENTIFY)

Position in the Company

\_\_\_\_\_  
Date



**TECHNICAL BID FORM****PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25****SCHEDULE OF REQUIREMENTS**

<b>Lot</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Delivery Period</b>	<b>Comply/Not Comply</b>
1	<b>Ctg, 5.56mm: Blank</b>	1,000,000	Round	<b>Two Hundred Ten (210) Calendar Days upon receipt of NTP by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP; should the supplier fail to comply, the delivery period shall commence.</b>	
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging		
2	<b>Ctg, 7.62mm: Blank</b>	1,000,000	Round		
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging		
3	<b>Ctg, 5.56mm: Blank, Linked</b>	1,000,000	Round		
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging		
4	<b>Ctg, 7.62mm: Blank, Linked</b>	1,000,000	Round		
	Technical Data Sheet (Placed inside the Outer Packaging)	1	each per Outer Packaging		

*The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.*

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Authorized Representative

\_\_\_\_\_  
Name and Designation

\_\_\_\_\_  
Date

## ANNEX 7

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**Omnibus Sworn Statement**

---

REPUBLIC OF THE PHILIPPINES        )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

**10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_

## Bidder's Representative/Authorized Signatory

**SUBSCRIBED AND SWORN** to before me this \_\_\_\_ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ issued on \_\_\_\_ at \_\_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of *[month]* *[year]*.

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_\_\_\_ *[date issued]*, *[place issued]*

IBP No. \_\_\_\_\_ *[date issued]*, *[place issued]*

Doc No: \_\_\_\_\_

Page No: \_\_\_\_\_

Book No: \_\_\_\_\_

Series of: \_\_\_\_\_

\* This form will not apply for WB funded projects.

(Bidder's Company Letterhead)

## **WARRANTY UNDERTAKING**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

I/We, (Name), (Title/Capacity), the duly registered Philippine-based company of (Company/Bidder), hereby commits that should we be awarded the contract, we will issue a Warranty Certificate in favor of the Philippine Army (PA) valid for at least one (1) year from date of final acceptance.

This Undertaking shall form part of the Technical Requirements for the aforesaid procurement project

\_\_\_\_\_  
Signature of Company Representative

\_\_\_\_\_  
Name & Designation

\_\_\_\_\_  
Date



**Annex 9**

**Bidder's Company Letterhead**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**CERTIFICATE OF NET FINANCIAL CONTRACTING CAPACITY  
(PLS SHOW FIGURES AT HOW YOU ARRIVED AT THE NFCC)**

This is to certify that our Net Financial Contracting Capacity (NFCC) is **Philippine Pesos** \_\_\_\_\_ (PhP \_\_\_\_\_) which is at least equal to the total ceiling price we are bidding. The amount is computed as follows;

CA	=	Current Assets	PhP
Less:			-
CL	=	Current Liabilities	_____
		<b>Sub-total 1</b>	PhP
			X 15
		<b>Sub-total 2</b>	PhP
Less:			-
C	=	Value of all outstanding or uncompleted portions of the projects under on-going contracts, including awarded contracts yet to be started coinciding with the contract for this project.	PhP
<b>NFCC</b>			<b>PhP</b>

Issued this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**CERTIFIED CORRECT:**

\_\_\_\_\_  
Name and Signature of Authorized Representative

\_\_\_\_\_  
Position

\_\_\_\_\_  
Date

Annex 10

**(NAME OF BANK)**  
**COMMITTED LINE OF CREDIT**

Date: \_\_\_\_\_

Philippine Army Bids and Awards Committee  
Fort Andres Bonifacio, Metro Manila

CONTRACT/PROJECT	:	_____
COMPANY FIRM	:	_____
ADDRESS	:	_____
BANK/FINANCING INSTITUTION	:	_____
ADDRESS	:	_____
AMOUNT	:	_____

This is to certify that the above Bank/Financing Institution with Business address indicated above, commits to provide the (Supplier/Distributor/Manufacturer/Contractor), if awarded the above-mentioned Contract, a credit line in the amount specified above which shall be exclusively used to finance the performance of the above-mentioned contract subject to the terms, conditions and requirements.

The credit line shall be available within fifteen (15) calendar days after receipt by the Supplier/Distributor/Manufacturer/Contractor of the Notice of Award and such line of credit shall be maintained until issuance of the Certificate of Acceptance.

This Certification is being issued in favor of said (Supplier/Distributor/Manufacturer/Contractor) in connection with the bidding requirement of (Name of Procuring Entity) for the above-mentioned Contract. We are aware that any false statement issued by us make us liable for perjury.

This Committed line of credit cannot be terminated or cancelled without the prior written approval of the Philippine Army.

\_\_\_\_\_  
Name and Signature of Authorized Financing Institution Office

\_\_\_\_\_  
Official Designation

Concurred by:

\_\_\_\_\_  
Name and Signature of Supplier/Distributor/Manufacturer/Contractor authorized representative

\_\_\_\_\_  
Official Designation

SUBSCRIBED AND SWORN TO BEFORE ME this \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_, Philippines. Affiant exhibited to me his/her competent Evidence of identity (as defined by the 2004 Rules on Notarial Practice \_\_\_\_\_ issued \_\_\_\_\_ at \_\_\_\_\_, Philippines.

Doc No: \_\_\_\_\_  
Page No: \_\_\_\_\_  
Book No: \_\_\_\_\_  
Series of: \_\_\_\_\_

NOTARY PUBLIC

**Amount should be machine validated**

**Annex 11-A**

**PROTOCOL/UNDERTAKING OF AGREEMENT TO ENTER INTO JOINT VENTURE**

This **PROTOCOL/UNDERTAKING OF AGREEMENT TO ENTER INTO JOINT VENTURE** executed by:  
 \_\_\_\_\_, A sole proprietorship/corporation duly organized and existing under and by virtue of the laws of the Philippines, with offices located at \_\_\_\_\_, represented herein by its \_\_\_\_\_, hereinafter referred to as \_\_\_\_\_.,

-and-

\_\_\_\_\_ A sole proprietorship/corporation duly organized and existing under and by virtue of the laws of the Philippines, with offices located at \_\_\_\_\_, represented herein by its \_\_\_\_\_, hereinafter referred to as \_\_\_\_\_.,

For submission to the **Philippine Army Bids and Awards Committee (PABAC)**, pursuant to Section 23.1 (b) of the Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No 9184.

**WITNESSETH That:**

WHEREAS, the parties desire to participate as a joint venture in the public bidding that will be conducted by the PABAC pursuant to Republic Act (RA) No 9184 and its Revised Implementing Rules and Regulations (IRR) with the following particulars:

Bid Reference No.	
Name/Title of Procurement Project	
Approved Budget for the Contract	

NOW THETREFORE, in consideration of the foregoing, the Parties undertake to enter into a JOINT VENTURE and sign a Joint Venture Agreement relative to their joint cooperation for this bid project, in the event that their bid is successful, furnishing the PABAC a duly signed and notarized copy thereof within ten (10) calendar days from receipt of Notice from the BAC that our bid has the lowest calculated responsive bid or highest rated responsive bid (as the case may be).

For purposes of this bid project, and unless modified by the terms of the Joint Venture Agreement, the following party shall be the authorized representative of the JV:

**JV Partner (Name of Company)**

**Authorized Rep of the JV Partner: (Per attached Secretary's Certificate)**

\_\_\_\_\_  
**Name**

\_\_\_\_\_  
**Designation**

That furthermore, the parties agree to be bound jointly and severally under the said Joint Venture Agreement;

THAT Finally, failure on our part to enter into the Joint Venture and/or sign the Joint Venture Agreement for any reason after the Notice of Award has been issued by shall be a ground for non-issuance by PABAC of the Notice to Proceed, forfeiture of our bid security and such other administrative and/or civil liabilities as may be imposed by PABAC under the provisions of Republic Act (RA) No 9184 and its Revised Implementing Rules and Regulations (IRR) , without any liability on the part of PABAC.

This undertaking shall form an integral part of our Eligibility documents for the above-cited project.

IN WITNESS WHEREOF, the parties have signed this Protocol/Undertaking on the date first above-written.

[JURAT]

SUBSCRIBED AND SWORN TO BEFORE ME this \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_, Philippines. Affiant exhibited to me his/her competent Evidence of identity (as defined by the 2004 Rules on Notarial Practice \_\_\_\_\_ issued \_\_\_\_\_ at \_\_\_\_\_, Philippines.

Doc No: \_\_\_\_\_  
 Page No: \_\_\_\_\_  
 Book No: \_\_\_\_\_  
 Series of: \_\_\_\_\_

NOTARY PUBLIC

Annex 11-B

**Bidder's Company Letterhead****PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY****BID REF NO. ORD PABAC2-003-25****PABAC2 Chairperson**Office of the PA Bids and Awards Committee 2  
Fort Andres Bonifacio, Metro ManilaSubject: **Statement of Inapplicability of Joint Venture Agreement**

Dear PABAC2 Chairperson,

This is to inform you that ***[insert name of supplier or bidder]*** is not joining as a Joint Venture for this project, thus, the Joint Venture Agreement is not applicable.

Thank you and more power.

Truly Yours,

Name and Signature of Authorized Representative

**CERTIFIED CORRECT:**\_\_\_\_\_  
Name and Signature of Authorized Representative\_\_\_\_\_  
Position\_\_\_\_\_  
Date

## Annex 12-A

(Bidder's Company Letterhead)

PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY

BID REF NO. ORD PABAC2-003-25

BID FORM

Date : \_\_\_\_\_

Project Identification No. :  
\_\_\_\_\_

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.



We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

## Annex 12-B

(Bidder's Company Letterhead)

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**FINANCIAL BID FORM**

Description	Qty (rds)	ABC (amount in PhP)		Bidder's Proposal	
		U/P	Total Price	U/P	Total Price
Lot 1: Ctg, 5.56mm: Blank	1,000,000	15	15,000,000.00		
Lot 2: Ctg, 7.62mm: Blank	1,000,000	23	23,000,000.00		
Lot 3: Ctg, 5.56mm: Blank, Linked	1,000,000	32	32,000,000.00		
Lot 4: Ctg, 7.62mm: Blank, Linked	1,000,000	40	40,000,000.00		
<b>TOTAL BID PRICE</b>					
<b>Total Bid Price (Amount in Words):</b>					
<b>BIDDER'S UNDERTAKING</b>					
NOTE: The amount of bid per lot must not exceed the ABC per Lot and the Total Bid Price must not exceed the Total ABC for this Project. Any bid with financial proposal exceeding the amount per lot and the Total Bid Price shall not be accepted.					
I/We, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.					
I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of Notice of Award.					
Until a formal contract/order confirmation is prepared and signed, this Bid is binding on us.					

\_\_\_\_\_  
Name of Company (in print)

\_\_\_\_\_  
Signature of Company Representative

\_\_\_\_\_  
Name & Designation (in print)

\_\_\_\_\_  
Date

**(Bidder's Company Letterhead)**

**PROCUREMENT OF BLANK AMMUNITION  
FOR THE PHILIPPINE ARMY**

**BID REF NO. ORD PABAC2-003-25**

**BID PRICES AND APPLICABLE PRICE SCHEDULES**

**For Goods Offered from Abroad**

Name of Bidder \_\_\_\_\_, Invitation to Bid<sup>2</sup> Number \_\_\_\_\_, Page \_\_\_\_\_ of \_\_\_\_\_.

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Qty	Unit price CIF port of entry (specify port) or CIF named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered at Place (DAP)	Unit price Delivered Duty Paid (DDP)	Total Price -(if DAP col 4X7) -(If DDP col 4X8)

Note: The amount of bid per lot must not exceed the ABC per Lot and the Total Bid Price must not exceed the Total ABC for this Project. Any bid with financial proposal exceeding the amount per lot and the Total Bid Price shall not be accepted.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

\_\_\_\_\_  
<sup>2</sup> If ADB, JICA and WB funded projects, use IFB.



