5.56 and .308 Rifle Ammunition
Solicitation 70US0926R70093724
Attachment 3

STATEMENT OF REQUIREMENTS

New 5.56 and .308 Rifle Ammunition IDIQ Contract

1.0 Purpose:
The purpose of this Statement of Requirements is to establish a new 5.56 mm and .308 WIN ammunition contract for the United States Secret Service, James J. Rowley Training Center, in support of firearms training and duty.

2.0 Statement of Requirements
The establishment of this Indefinite Delivery/Indefinite Quantity (IDIQ) contract shall provide ammunition for the United States Secret Service for 5 years. This contract will be a small business set aside.

The requirements shall include the furnishing of small arms ammunition in accordance with the specifications listed. All ammunition furnished shall meet the minimum voluntary Industry Performance Standards for the Use of Commercial Manufacturers as stated by the American National Standards Institute (ANSI) and Sporting Arms and Ammunition Manufacturer's Institute, Inc. (SAAMI) unless otherwise noted in specification.

3.0 Contract Type: The Government will award a 5 year IDIQ contract. All task orders shall be firm fixed price.

4.0 Delivery Date and Place of Delivery: Please send all items to the following addresses:

If freight:

JJRTC/WADS
ATTN: Duane Tomaszewski
9200 Powder Mill Rd
Laurel MD 20708

All other delivery options:

U.S. Secret Service (RTC)
Communications Center
245 Murray Lane SW; MS
#8192 Washington, DC 20223
ATTN: Duane Tomaszewski

1.4.1 Ordering Guidelines

- Orders are subject to the terms and conditions and the provisions of the IDIQ.
- Orders may only be issued from the date of the IDIQ award through the IDIQ expiration.
- An order will be considered issued when the DO CO transmits the order to the Contractor.

• Orders may be issued by Contracting Officers throughout the U.S. Secret Service only. It is incumbent upon each contracting officer to adhere to the policies and procedures established by DHS.

1.4.2 Steps to Order

Steps	**Details**
Step 1	The Delivery Order (DO) Contracting Officer (CO) determines the Component's or Agency's need for ammunition.
Step 2	The Delivery Order (DO) Contracting Officer (CO) must ensure each IDIQ DO includes the following information: • IDIQ number and IDIQ DO number; • Date of the order and required delivery date; • Delivery location(s); • Deliverables per location; • Contract Line-Item Number (CLIN) and description, quantity, unit price, extended total; • Security requirements; • Invoicing instructions; • The payment schedule, if applicable; and Accounting and appropriation data.

5.0 Testing Criteria:

Ammunition will be awarded by Best Value comparison with the order of importance being technical criteria/past performance followed by price ~~followed by Past Performance rating~~.

Ammunition that fails to pass any aspect of specification(s) shall be considered technically unacceptable and no additional testing shall be performed.

Material Safety Data Sheet (MSDS) shall be included which each product submitted.

~~**Up to two (2) products may be awarded for each CLIN**~~

Accuracy:

If the initial test of a particular lot of ammunition fails to meet the accuracy requirements, the procedure may be repeated for up to five individual five round samples (including the initial five round sample). If two consecutive five round samples do not meet the requirements, the lot shall be rejected.

Workmanship:

Metallic components and the complete cartridge shall be free from folds, wrinkles, deep draw scratches, scaly metal, dents, burrs, and other defects. All components and complete cartridges shall be free from foreign material including, but not limited to, corrosion, stains, dirt, oil, grease, and metal chips. 100% hand inspection of each produced round is required prior to packaging.

*United States Secret Service reserves the right to use, (at government expense) an outside testing facility for any of the tests described within this solicitation.

Descriptions and Specifications

1. General – This contract shall provide ammunition for the United States Secret Service for the Base period and four (4) option years.

2. Scope of Work – The requirements shall include the furnishing of small arms ammunition in accordance with the specifications listed. All ammunition furnished shall meet the minimum voluntary Industry Performance Standards for the Use of Commercial Manufacturers as stated by the American National Standards Institute (ANSI) and Sporting Arms and Ammunition Manufacturer's Institute, Inc. (SAAMI) unless otherwise noted in specification.

3. Minimum Shell Casing – Unless otherwise specified, shell case for all items must be brass or higher quality. All cases shall be of virgin condition. No reloaded or used shell cases will be accepted.

4. Headstamp – Each loaded cartridge shall be head stamped with the manufacturer's symbol and appropriate cartridge description.

5. Propellant/Primers – The contractor shall select the propellant and primer needed to achieve the minimum performance standards described in this specification. The propellant and primers shall be newly manufactured (within 12 months). All cartridges within one lot shall be loaded with the same lot of propellant and the same lot of primers.

6. All ammunition furnished under this contract shall be no older than one year from the date of manufacture. All components, packaging, and shipping materials shall be of new manufacture and shall look to be clean and in new conditions.

7. Chamber Pressure – Chamber pressures must fall within SAAMI specifications for each submitted product. Unless otherwise stated in CLIN.

8. Packing and Packaging – Material shall be packed for shipment in such a manner that will insure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Interstate Commerce Commission Regulations, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation. Ammunition packaging will be marked "Government Use Only. Not for Resale."

- CLIN 0001 - 5.56 NATO standard ammunition shale be packaged 10 rounds per stripper clip, 20 rounds per box, 1,000 rounds per case.

- CLIN 0002 - .308 Winchester/7.62 NATO Match ammunition shale be packaged 20 rounds per box, 200 rounds per case.

9. Marking – Each carton and exterior shipping container shall be marked in accordance with Federal Standard 123 (Marking for Domestic Shipment) on the outside surface with nomenclature quantity, manufacturer's name, and lot number. The contract number and delivery order number shall also be marked on the outside surface of each exterior shipping container.

10. Packing List – A packing list or other suitable document shall accompany shipment and shall show (a) name and address of vendor, (b) name and address of consignee, (c) Government contract and delivery order number, (d) Government bill of Lading number covering shipment, if any, and (e) description of material shipped, including item number, quantity, number of containers, and package number, if any.

11. Acceptance – Final inspection, acceptance and testing shall be performed at the James J. Rowley Training Center, Laurel, Maryland. The U.S. Secret Service shall perform acceptance testing in accordance with the Statement of Work / Specifications under the contract. These tests shall be performed by the U.S. Secret Service on each shipment of ammunition received under this contract.

After the award of the contract, if during a final inspection, it is determined by USSS personnel that the ammunition lot is rejected and the supplier does not agree, third-party testing can be conducted. The third-party testing will be conducted by the same company that assisted with the initial testing to establish the contract. The testing will be conducted at the manufacturers expense.

5.56mm NATO standard

Caliber - 5.56mm NATO standard (Manual AC-225, Panel III/SP.1, D.200 and STANAG 4172).

Case – The cartridge case shall be a military 5.56 mm copper alloy case manufactured in accordance with Army drawing 19200-9378276. Upon assembly, the case mouth shall be securely crimped into the projectile. (C1) [A vent hole shall be present in the primer pocket of the cartridge case.] The cartridge is designed to function in rifle and carbines for this caliber without modifications. The cartridge case shall not split when subject to a 1% mercurous nitrate solution for 15 minutes.

Primer - The primer shall be a MIL-spec primer manufactured in accordance with Army drawing 19200-10534279 for M855 Ball ammunition. Primer must be

crimped/staked. The primer shall be seated in the cartridge case to a depth of 0.000 to .008 inch below the face of the cartridge case head.

Cartridge - The overall length of the assembled cartridge shall not exceed 2.260 inches or be less than 2.235.

Bullet Pull - Minimum Bullet Pull shall be 30 pounds.

Bullet –The bullet shall be a copper jacketed bullet with a lead core. The bullet weight shall be 64 grains +/- 3.0 grains. Individual bullet weight shall not vary by more than 2.0 grains per lot.

Velocity - The minimal nominal mean velocity at 15 feet from the muzzle shall be 2950 +/- 100 feet per second. Three (3) strings of ten (10) shots will be fired utilizing a 20 inch 5.56x45mm NATO specification (1:7 twist) test barrel mounted in a Universal Receiver, and an Oehler System 85 Ballistic Instrument and Model 57 Ballistic Screens. The cartridge being tested shall be handled in accordance with ANSI/SAAMIZ299.4. The velocity standard deviation for each ten round sample shall not exceed 50 feet per second. If one (1) of the three (3) strings of ten (10) rounds do not meet the velocity requirements, the lot shall be retested a maximum of two times of three (3) strings each. If velocity requirement is still not met, the lot shall be rejected.

Velocity tests shall be performed each production day to assure minimal variations within each lot.

Accuracy - The extreme spread shall not exceed 3.00 inches at 100-yards for three (3) strings of ten (10) rounds fired utilizing a 20 inch 5.56x45mm NATO specification (1:7 twist) test barrel mounted in a Universal Receiver. The cartridge being tested shall be handled in accordance with ANSI/SAAMI Z299.4. If one (1) of the three (3) strings of ten (10) round do not meet the accuracy requirements, the lot shall be retested a maximum of one additional time. If accuracy requirement is still not met, the lot shall be rejected.

Examinations - All fired cartridge cases and primers shall be visually examined to determine compliance with the applicable requirements in the specification. In the event that a fired case or primer defects are encountered, or if a misfire occurs, then the test barrel shall be examined to determine if the defect is attributable to the barrel. If the barrel is at fault, then the test shall be disregarded, and the barrel shall be repaired or replaced prior to performing a retest. If the defect cannot be attributed to the barrel, then the defect shall be attributed to the cartridges. Misfired cartridges and fired cartridge cases and primers shall be retained for further examination.

Cartridge Conditioning - The required number of test cartridges shall be permitted to come to a temperature of 60 degrees to 80 degrees Fahrenheit prior to being placed in the controlled temperature room or container. The cartridges shall be placed in a controlled temperature room or container in such a manner that all

the cartridges are subjected to a uniform temperature for a minimum of two hours prior to firing. The room or container shall be maintained at 70 degrees +/- 5 degrees Fahrenheit and be of sufficient capacity to allow free circulation of air.

Chamber Pressure - The maximum mean chamber pressure (at 70 degrees) shall be in accordance with SCATP protocols for 5.56x45mm ammunition utilizing a 20 inch 5.56x45mm NATO specification (1:7 twist) test barrel. The cartridge shall be handled in accordance with ANSI/SAAMI Z299.4.

Pressure tests shall be performed each production day to assure minimal variations within each lot.

- must function reliably in designated weapon

- Cartridges shall be function tested in a government Knight's Stoner SR16 with an 11.5" barrel, utilizing the "Magpul PMAG" 30 AR/M4, 5.56x45 Magazine with window (NSN 1005-01-615-5169). Thirty (30) cartridges shall be loaded into the magazine, and the bolt shall be closed without chambering a round. The bolt shall be opened, pulled all the way to the rear and then released forward, feeding a cartridge into the chamber. The cartridge shall be fired in semi-automatic mode until both magazine and chamber empty. The procedure described shall be repeated one time in full-automatic mode, utilizing 3-5 round bursts. If one cartridge fails to feed, chamber, fire, eject, extract, prematurely fire, or leaves a bullet or fragment in the bore, the test procedure will be repeated. If one failure occurs during the second test, the lot shall be rejected.

(No additional Test Protocols for this CLIN)

.308 Winchester

Caliber - .308 Winchester/7.62 NATO Match

Case – brass - Primer must be crimped/staked

Bullet – 175 grain, +/- 1 grain Open Tip Match, Ballistic Tips are acceptable. published B.C. of a 0.50 or better

Primer – Must be crimped/staked.

Velocity – 2625 +/- 50 FPS using standard SAAMI test barrel Maximum Standard Deviation - >20*

Accuracy – 1 inch at 100 yards from SAAMI test barrel on a universal rest *

Chamber Pressure - SAAMI - Average chamber pressure for Maximum Probable Sample Mean not to exceed 66,000 p.s.i. No single round shall exceed

74,700 p.s.i. (90% of the Minimum Average Pressure Value of Proof Cartridges of 83,000 p.s.i.).

Bullet Pull - Minimum Bullet Pull shall be 70 pounds.

Gelatin –Penetration not less than 12 nor more than 18 inches @ 100 yards. Tested using the SR25, 16" barrel.

*Accuracy requirement for .308 @ 100 yards

Average	Points Awarded
≤.5	100
.501-.6	80
.601-.7	60
.701-.8	40
.801-.9	20
.901-1.0	10
>1.0	FAIL

*Penetration @ 100 yards

Penetration	Points Awarded
>18.0"	FAIL
17.1-18"	10
16.1-17"	25
15.1-16"	50
14.1-15"	75
13.1-14"	100
12.1-13"	75
<12"	FAIL

*Standard Deviation

Average SD	Points Awarded
<8	60
8-9.9	45
10-11.9	35
12-13.9	25
14-15.9	15
16-17.9	10
18-20	5
>20	FAIL

- must function reliably in designated weapon
- Cartridges shall be function tested in USSS furnished Knight SR25, 16" Barrel w/Knights Armament Suppressor, Model 762DSR/CQB - Twenty (20) cartridges shall be loaded into the magazine of the designated weapon. The magazine will be inserted into the weapon with the bolt locked to the rear. The bolt shall be sent forward to feed and chamber the first

round. The weapon will be fired until both chamber and magazine are empty. This process will be repeated four (4) additional times for a total of one hundred (100) rounds fired. If one malfunction (failure to feed, chamber, fire, extract, or eject) occurs, the procedure shall be repeated. If another malfunction occurs during the second test, and is ammunition related, the lot shall be rejected. Five rounds will be loaded and chambered, then extracted and inspected for damage. Any discrepancies will be evaluated and noted.

6.0 United States Secret Service (USSS) Points of Contact: TBD