

**OBJECTIVES STATEMENT
FOR
Mid-Range Gas Gun – Assault (MRGG-A)**

I. INTERNATIONAL TRAFFIC AND ARMS REGULATION: The technology within this topic is restricted under the International Traffic in Arms Regulation (ITAR), which controls the export and import of defense-related material and services. Offerors must disclose any proposed use of foreign nationals, their country of origin, and what tasks each would accomplish in the statement of work in accordance with the solicitation.

II. BACKGROUND: MRGG-A is an acquisition project with the objective to streamline developmental efforts and field Special Operations (SO) peculiar weapon systems in a rapid acquisition environment. The MRGG-A will provide a more accurate and increased range assault rifle, with a threshold accuracy requirement of 1.0 Minute of Angle (MOA) at 100 yards and an objective accuracy requirement of 0.5 MOA at 100 yards. Thus more versatile capabilities to SOF Operators. The MRGG-A Middle Tier Acquisition (MTA) will provide vital mission essential equipment for SOF operators as outlined in the approved Improved Receiver Group (IRG) Capabilities Production Document (CPD) dated 20 July 2015.

III. OVERALL OBJECTIVES: The MRGG-A will provide the SOF Operator the capability to engage man size targets with precision and lethality at an extended range. MRGG-A will chamber non-NATO developmental mid-range ammunition, specifically the 6.5 Creedmoor 140gr. XM1200 ammunition. **VENDORS ARE REQUIRED TO BRING A WORKING PROTOTYPE WEAPON TO THE SOFWERX ASSESMENT EVENT (FOR VERIFICATION PURPOSES NOT FOR FIRING)**

USSOCOM will require the MRGG-A to be chambered in 6.5 Creedmoor (CM in the following configuration:

- Semi-Automatic and Full Automatic
- 1.0 MOA at 100 yds. (T), 0.5 MOA (O) w/GOV provided 140gr. XM1200 ammunition
- 500 rounds Mean Rounds Between Stoppages (T)
- Less than 10.5 lbs. (T), less than 9lbs (O)
- Have a Forward Assist (T)
- Have M4 ergonomics (T), with ambidextrous controls (safety selector, bolt release and charging handle) (O)
- QD Suppressor, 140db max (T), 130db (O)
- Mil-Spec Buffer Tube and Pistol Grip (T) for ability to change to operator preference
- Shall not have proprietary magazines
- Shall utilize latest materials and coatings to be capable of maintaining 1.5 MOA at 100 yds. at 15,000 rounds (O)
- Shall have continuous 12 o'clock rail (timed and bias) and M-Lok at 3,6, 9 o'clock
- Suppressor shall minimize or eliminate backpressure/blowback to the operator (T), less than unsuppressed M110 or similar AR10/7.62 caliber weapon (O)
- Suppressor shall minimize flash of first and successive rounds (T), less than suppressed M110 or similar AR10/7.62 caliber weapon (O)

- Suppressor shall pass 6 cycles of the following “stress test” utilizing 30 round Magazines (MAG):
 - MAG #1 - 1 shot /sec
 - MAG #2 - 2 shots / sec.
 - MAG #3 - 1 shot /sec.
 - MAG #4 - 3 to 5 shot bursts
 - MAG #5 - 1 shot /sec
 - MAG #6 - 2 shots / sec.
 - MAG #7 - 1 shot /sec.
 - MAG #8 - 30 shot burst
 - Allow to Cool
 - 1 Cycle = 240 shots
 - Weapon barrel should be changeable within 5 minutes to replacement or 7.62 NATO at Operator level

USSOCOM will require the MRGG-A to have a supporting kit consisting of

- Six 6.5CM Magazines
 - Set of back-up iron sights w/45 degree mount
 - (3) M-Lok 3” rail attachment sections
 - One Cleaning Kit
 - One Tool kit (specific tools and Fix-It sticks torque kit)
 - One Hardcase
 - One User Manual
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- Post-Assessment Event (AE) evaluation criteria will include accuracy and operator preference.