

## **MS DEPARTMENT OF PUBLIC SAFETY**

### **SPECIFICATIONS**

**Caliber:** The weapon shall be chambered in 5.56x45mm/.223 Wylde, capable of firing all commercially available offerings in 5.56x45mm/.223, and function with assorted ammunition ranging in weight from 55 to 77 grains (to include all common SAAMI-spec and Mil-Spec ammunition) as well as frangible ammunition.

**Dimensional Requirements:** Barrel length (10.5 inch chrome moly with chrome lined barrel and chamber).

**Accuracy:** 1.5 MOA at 100 yards

**Operating System:** The weapon shall utilize a direct-impingement gas-operated system.

**Mode of fire:** Semi Auto

**Muzzle Device:** The muzzle should be equipped with a flash hider device.

**Trigger:** The trigger pull shall not measure less than 4.0 pounds, nor more than 6.5 pounds.

The trigger configuration shall be two-stage with no adjustment screws or set screws.

The trigger shall have a smooth face, cannot be wider than the trigger guard, and shall be the only control inside the area enclosed by the trigger guard. Any other controls (bolt catch/release, magazine/catch release, etc.) inside the area enclosed by the trigger guard are not acceptable.

While utilizing gloves, the trigger shall not pinch the trigger finger between the trigger and the side of the receiver or between the trigger and the inside bottom of the trigger guard. Any manipulation/modification to the trigger guard to meet this requirement is not acceptable.

**Fire Selector:** The fire control selector shall be ambidextrous in design, and be a single star safety selector mounted on the side of the receiver, adjacent to the rear pistol grip, thereby not requiring the shooter to significantly break their firing grip when actuating.

The fire control selector shall be a rotary type and shall have two positions; safe, semi- automatic and shall rotate manually without binding from one position to another when the hammer is cocked. The selector shall remain in place in each position by a perceptible spring detent load until manually reset.

**Charging Handle:** The charging handle shall be situated in the upper receiver. The charging handle shall not reciprocate with the bolt when the weapon is fired. The charging handle shall be capable of being operated with one hand while the shooters other hand is grasping the pistol grip.

**Grip:** Over molded rubber grip with finger grooves.

**Magazine:** The weapon magazine well shall be compatible with the standard NATO STANAG 30 round M16 series magazine (NSN 1005-01-561-7200).

Magazines shall contain an anti-tilt follower that shall be able to activate the weapon's bolt hold open device after the last round in the magazine is fired.

The magazine shall be capable of being inserted directly into the magazine well by the operator with one hand, and without any “rocking” type motion.

Each rifle will include **three magazines** with above specifications.

**Upper Receiver:** The weapon shall be equipped with a Mil-Std-1913 Picatinny attachment rail on the top of the receiver for mounting of optics, iron sights, lasers, etc.

**Forend/Handguard:** Handguards should have permanently attached Mil-Std 1913 Picatinny rails sections the length of the handguard at the 12:00, 3:00, 6:00 and 9:00 o’clock positions.

**Butt-Stock:** The butt stock shall be quickly adjustable for length of pull without the use of any tools. The butt stock shall have, at minimum total of four positions, including fully extended and fully collapsed.

**Front sight:** Flip front sight gas block assembly.

**Rear sight:** Flip-up Rear Sight Spring loaded, with quick release lever, dual aperture made from aluminum and steel.