

Section 3 Trigger Pull

History Page

Revision #	Effective date	History
0	06-13-02	This is an original procedure offered
1	01-23-06	Moved part of 1.4 to 1.6.1 and now requires annual check of weights. Changed 1.6.1 should to shall re-worded 1.6.1 to clarify no substantive changes. Moved part of the back ground to the scope. Added scope section. Re-numbered the sections after Scope was added. Safety pre-caution added
2	1/12/07	Combined scope, background, and principle. Removed quality measures section and added the reference to the maintenance and calibration section. Re-numbered procedure to make it section

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3.0 Trigger Pull

3.1. Background/Scope

Trigger pull measures the amount of force that must be applied to the trigger of a firearm to cause the sear to release and discharge the firearm.

During the course of examining a firearm, prior to test firing, measuring trigger pull is useful for safety reasons and as an aid in determining the likelihood of accidental discharge.

This procedure utilizes the force of gravity on known weights applied to a firearm placed in a "cocked" configuration while the muzzle is pointed away from and parallel to the applied force. The usual configuration involves holding the firearm with the muzzle vertical to the floor.

3.2. EQUIPMENT (refer to section 9 for calibration and maintenance)

The equipment used is a standard device with which weights in varying amounts can be applied to a rod constructed so that it can be hooked over a trigger without touching any other part of the firearm.

3.3. STANDARDS

Standards consist of weights that can be combined for a cumulative effect.

3.4. PROCEDURE

3.6.1. Make sure no live ammunition is in the weapon

3.6.2. In single action mode, apply weights to the trigger using the described trigger pull equipment so that the force is applied parallel to the barrel until the firearm will fire (WF).

3.6.3 Remove weights (applied parallel to the barrel) until the firearm will not fire (WNF).

3.6.4. Repeat these measurements until at least two measurements for each condition (will fire, and will not fire) agree within one quarter to one half pound of force.

3.6.5. Record results

3.6.6. Repeat steps 1.6.1 through 1.6.5 for double action mode.

3.5. REPORTING RESULTS

Resultant trigger pulls should be recorded on an appropriate worksheet or other notes. These results may be included in a final report.

3.6. SAFETY PRECAUTIONS

All guns must be checked to ensure they are not loaded before performing examination.

3.7. REFERENCES

AFTE GLOSSARY

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