

M4 / AN/PEQ-2

(10 meter Boresight)

WARNING: LASER RADIATION - To reduce the risk of injury AVOID DIRECT EXPOSURE TO THE BEAM - Use Ballistic Laser Eye Protection (BLEPS) when handling or operating. (See PEQ Safety Briefing)

ACTION: Boresight the AN/PEQ-2 to the top front of the M4 carbine for long range shooting.

CONDITIONS: Given an M4 Carbine, AN/PEQ-2, 10M Boresight target, Boresight laser, and steady platform.

STANDARD: Boresight the AN/PEQ-2 at 10M to achieve a point of aim, point of impact within 4" at distances of 100-300 meters.

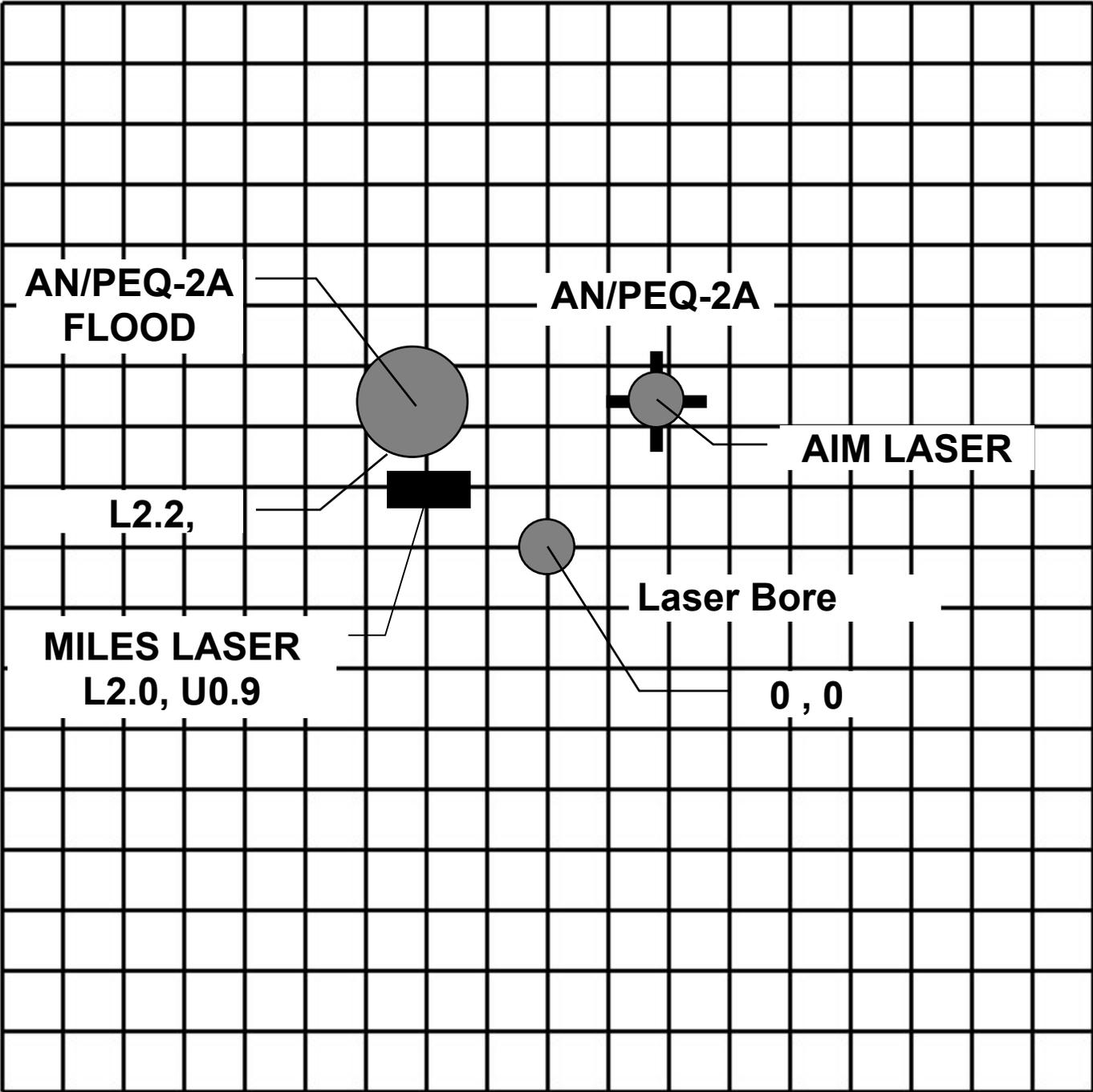
PROCEDURE: Ensure the weapon is locked down in a secure device to eliminate movement of the laser and sight. Zero or calibrate the boresight laser. Using a 10M Boresight target, place the boresight laser dot on the solid black dot of the target, then using the directional arrows on the AN/PEQ-2 adjustment rings, make the necessary adjustments to move the AN/PEQ-2 laser on to the crosshair of the boresight target. Assistants should consist of 1 Soldier at the weapon with NODS to adjust the AN/PEQ-2 and 1 Soldier at the target with NODS to give sight corrections. Refer to attached target.

MOUNTING: The standard to mount the AN/PEQ-2 to the M4 is on top of the top handguard on the A frame. In this configuration the AN/PEQ-2 is protected by the front sight when moving through vegetation and the laser is less likely to be deflected by grass when in the prone.

FEEDBACK: Best results during night marksmanship are achieved with AN/PEQ-2. The best combination is the AN/PVS 7D or AN/PVS 14 with 3x magnifier if available. The target illuminator can be used to assist in acquiring targets at longer distances. To avoid whiteout or splash when boresighting at 10M, select the lowest intensity and remove a hole approximately 2 cm. in diameter around the crosshair. This will allow the majority of the AN/PEQ-2 laser to pass through the target without creating splash.

NOTE: THE STANDARD IS TO DEVELOP CONFIDENCE IN BORESIGHTING BECAUSE THAT IS WHAT WE WILL BE DOING IN COMBAT.

10 Meter Boresight Tgt-AN/PEQ-2A Mtd on M4/M4A1 Using the M4/M16 Mounting Rail



- Zero Target Data for M4/M4A1**
1. Stabilize Weapon.
 2. Align Laser Borelight on it's dot.
 3. Adjust AN/PEQ-2A until aiming laser is centered on the dot cross hair.

**10 Meter Bore Sight Target for 300m
Zero
(13 Dec 99)**

US Army ARDEC
AMSTA-AR-CCL-A
AMSTA-AR-FSF-R
Picatinny Arsenal, NJ 07806

Grids are 1cm wide by 1cm high. Units must locally