

M4 / DAY OPTIC SCOPE (DOS) **(Zeroing Procedures)**

ACTION: Zero the DOS to the M4 Carbine for long range shooting.

CONDITIONS: Given an M4 Carbine, TA01NSN Advanced Combat Optics Gunsight (ACOG) DOS (mounted on receiver rail), 25M Zero target, and ammunition.

STANDARD: Zero the DOS at 25M to achieve a three round shot group within the 2cm circle (See attached target, "M4A1 ACOG Zero Target")

NOTE: The DOS is mechanically pre-centered when shipped from the factory eliminating the requirement to initially borelight zero the optic.

PROCEDURE: Using a standard DOS zero target or a computer produced 25M DOS zero target. Center the 300 meter crosshair in the hollow center of the small black boxes and fire one 3 round shot group. Using the directional arrows on the DOS adjusting rings, make the necessary adjustments to move the center of the shot group within the 2cm circle. The DOS has a 1/3 MOA adjustment, 12 clicks will move the strike of the round approximately 1" at 25 meters. Continue the process of firing and making sight adjustments until the shot group is centered in the 2cm circle.

MOUNTING: The best way to mount the DOS to the M4 is to have the shooter assume a prone supported firing position with a comfortable stock weld. Have an assistant place the DOS on the receiver to check the shooter eye relief. Move the DOS until the firer has good eye relief and focus when assuming a natural stock weld.

FEEDBACK: This technique of zeroing the DOS will give the Airman an approximate point of aim, point of impact from 100-600 meters if the firer uses the appropriate reticle. The closer the shot group is to the center of the 2cm circle, the more effective the weapon will be at longer ranges. If possible, it is best to confirm this zero and make minor adjustments at an actual distance (200 meters) using the appropriate reticle. To use the DOS during limited visibility, the firer has two options. 1. Use the 100, 200, and 300-meter reticles that are tritium activated at night. 2. Assume a modified firing position and use the AN/PVS-14 Monocular to look through the ACOG.

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

M4A1 ACOG ZERO TARGET

