

Report Date: 31 May 2013

**Summary Report for Individual Task
061-266-4000
Set up the M2 or M2A2 Aiming Circle
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Given a complete M2 or M2A2 aiming circle in the stowed position, an orienting station (OS) (ORSTA) or a known point. Some iterations of this task should be performed in MOPP.

Standard: Set up the aiming circle so that a Soldier is able to operate the device and lay a battery to zero mils on an azimuth of fire IAW the technical guidance listed in FM 6-50.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: Preparing a position for occupation

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes:

Performance Steps

1. Set up the aiming circle.

Note: Avoid magnetic attractions such as weapons, steel helmets, eyeglasses, power lines electronic equipment, railroad tracks, artillery tanks, vehicles, barbed wire, personal weapons, and small metallic objects.

- a. Extend the tripod legs.
- b. Secure the tripod legs.
- c. Place the tripod over the point to be occupied.
- d. Firmly embed the tripod legs.
- e. Attach the aiming circle to the tripod.
- f. Center the plumb bob over the orienting station.
- g. Tighten the instrument-fixing screw into the base plate of the aiming circle.
- h. Remove the aiming circle head cover.
- i. Install the night lighting device accessory case if necessary.

2. Level the aiming circle.

Note: There are two methods of leveling the aiming circle. The circular leveling vial or the tubular leveling vial.

a. Level the aiming circle using the circular level vial.

(1) Rotate the head of the aiming circle until the circular leveling vial is over one of the three leveling screws adjacent to the notation pad.

(2) Turn the other two screws in the opposite directions using the thumb and forefinger of each hand.

(3) Center the bubble by using the third leveling screw when the bubble moves on line with the fisheye.

b. Level the aiming circle using the tubular leveling vial.

(1) Ensure the level vials remain centered after each adjustment.

(2) Rotate the instrument 3,200 mils from the second position if the bubble remains centered in this position.

(3) Rotate the instrument through 6,400 mils if the bubble remains centered in this position.

(4) Rotate the head of the aiming circle until the axis of the tubular leveling vial is parallel to any two of the three leveling screws.

(5) Rotate the instrument 1,600 mils.

(6) Rotate the instrument back to the first position.

(7) Repeat these steps until the bubble remains centered in both positions.

(8) Rotate the instrument 3,200 mils from the first position.

c. Level the aiming circle with the level vials out of adjustments.

Note: If the bubble does not remain centered when the instrument is rotated 3,200 mils from the first position, the leveling vial is out of adjustment.

(1) Move the bubble halfway back to the center of the leveling vial using the same leveling screws that were used to place the instrument in the first position.

(2) Rotate the instrument 3,200 mils from the second position.

(3) Move the bubble halfway back to the center of the level vial using the other leveling screw.

3. Recover the aiming circle.

a. Remove aiming circle head

b. Remove and secure the M51 instrument light in the instrument light case if necessary.

c. Recover the tripod.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: Setup: Ensure that all information, references, and equipment required to perform the task are available. Use the performance measures and the references to score the Soldier's performance. Brief the Soldier. Tell the Soldier what he is required to IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Set up the aiming circle.			
2. Leveled the aiming circle.			
3. Recovered the aiming circle.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 6-50	Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery	No	No

Environment: Environmental protection is not just the law but also the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
061-266-4016	Verify Orientation of an M2 or M2A2 Aiming Circle	061 - Field Artillery (Individual)	Proposed
061-266-5302	Orient the M2 or M2A2 Aiming Circle	061 - Field Artillery (Individual)	Reviewed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
06-4-5085	Perform Hasty Survey (Radar)	06 - Field Artillery (Collective)	Approved