

Report Date: 23 Apr 2013

**Summary Report for Individual Task
061-C02-1078
Validate Meteorological Messages
Status: Approved**

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

DESTRUCTION NOTICE: None

Condition: Given a firing unit equipped with tactical automated fire control system (TAFCS), an observer location, a target location, artillery binoculars, a compass, a map of the target area, an observed fire fan, left and right limits, protractor, DA 4200, DA 4504, TFTs, GFTs, and GSTs.

Standard: Validate meteorological messages so that firing data is able to account for the effects of weather conditions during fire missions IAW the procedures listed in FM 6-40.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP:

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Verify MET data was measured within 20 kilometers of the midpoint of the trajectory.
2. Verify the nearest MET station is within 80 kilometers of the midpoint of the trajectory.
3. Check the ballistic or computer met message heading.
 - a. Check message type, octant, and location entries for correctness
 - b. Check date-time entries to ensure data are current.
 - c. Verify the altitude of the MDP by using the latitude and longitude from the location block in the header of the met message.
4. Check the ballistic met message body.
 - a. Assess drastic changes (1,000 mils or greater) or sudden reverses of wind direction from line to line, particularly if wind speeds are more than 10 knots.
 - b. Assess severe increases or decreases (10 knots or greater) in wind speed from line to line.
 - c. Ensure the temperature and density show an inverse relationship.
 - d. Check for drastic changes (2 percent or more) in density or temperature.
 - e. Evaluate severe changes in temperature from line to line.
 - f. Check for differences in identification line pressure and surface pressure.

(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. Verified MET data was measured within 20 kilometers of the midpoint of the trajectory.			
2. Verified the nearest MET station is within 80 kilometers of the midpoint of the trajectory.			
3. Checked the ballistic or computer met message heading.			
4. Checked the ballistic met message body.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 6-40	Tactics, Techniques, and Procedures for Field Artillery Manual Cannon Gunnery	No	No

Environment: Environmental protection is not just the law but 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. The local commander must personally approve all training judged to be high risk. The operations officer is responsible for conducting a risk assessment in accordance with the safety assessment matrix contained in the Course Management Plan, and for obtaining the commander's approval prior to conducting such training. The principal instructor is responsible implementing safety measures according to the local safety standing operating procedure.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
061-C02-1102	Troubleshoot Inaccurate Fires	061 - Field Artillery (Individual)	Reviewed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
06-1-5002	Execute Fires	06 - Field Artillery (Collective)	Approved