

Report Date: 30 Apr 2012

Summary Report for Individual Task
551-88M-3600
Operate the Movement Tracking System Control Station (MT3)
Status: Approved

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

DESTRUCTION NOTICE: None

Condition: As a Movement Tracking System (MTS) Control Station operator, given an installed and fully operational MTS Control Station, you will perform control station functions on the MTS. Some iterations of this task should be performed in MOPP.

Standard: You must operate the MTS Control Station either by direct input or by supervising the operator in your section. You will use the MTS functions to create and modify groups, promote and demote mobile units to control station status and use the messaging capabilities to direct/redirect vehicle movement in support of your unit's ongoing mission.

Special Condition: None

Special Standards: None

Special Equipment:

MOPP: Sometimes

Task Statements

Cue: You are in a unit and tasked to operate the Movement Tracking System (MTS). You may be required to reroute vehicles to a new designated point. You must be thoroughly familiar with all of the capabilities of the MTS system.

DANGER

Adhere to all Danger statements in reference to the vehicles Technical Manual to ensure you are aware of the possible dangers involving the different types of equipment you are PMCSing.

WARNING

Adhere to all Warning statements referenced in the Technical manual for the type of equipment that you are PMCSing. You must ensure injury or damage to the equipment or personnel do not occur.

CAUTION

Be aware of all Caution statements referenced in the equipment Technical Manuals to ensure damage to equipment or injury to personnel does not occur.

Remarks: None

Notes: None

Performance Steps

1. Read Messages

Note: When the incoming message queue indicator in status block two (2) contains unread messages, the bottom will turn YELLOW until all messages are read. If the bottom bars turn RED, a distress signal has been sent out by another unit and is in the message queue. MTS Messenger window must be ACTIVE - Dark Blue background on title bar.

- a. Select Read Messages, then Read Current, press F1.
- b. In the Read Messages screen, click the message number you wish to read.
- c. Click the Reply button to return a message to the sender, or Done button to go back to the main window.

2. Send Messages:

- a. To send a message to a control station; press F2, or choose menu option "Send Messages", Then menu option "To CS".
- b. To send a message to a mobile unit, press F3, or choose menu option "Send Messages", then select "?To Mobile".
- c. To send a distress message, press F12 or choose menu option "Send Messages", then select "Send Distress Message".

- d. To choose a recipient for your message, choose a unit from Select Unit List.

Note: To choose a recipient for your message, choose a unit from Select Unit List. The UNIT STATUS shows if the intended recipient is on-line or off-line. The Unit Location Field will indicate the position of unit.

- e. Type the message into the Message to send box.

- f. Once satisfied that the message is completed, Press the Send button.

(1) Press the Cancel button to return to the main window without sending the message.

(2) Press the Recall button to load the last sent message into the message box.

(3) Press the Clear button to clear the message text field.

- g. Press F6, select Review Sent Messages.

- h. Choose the message by using the up and down arrows to move between messages.

3. Start TracerLink Pro

Note: Double-click the Vehicle Server icon located on the desktop to start the TracerLink process.

4. Initiate the map viewer

Note: Click on the icon of the loaded map icon shortcut that most closely represents the area of operation.

5. Display Pop-Up Menu

a. Right Click anywhere on map to display a Pop-Up Menu. The most useful functions of this menu are: Select Vehicle, Normal, Zoom In, Zoom Out, Move, Change Center, Measure and Reset.

- b. Select Vehicle

(1) Click on Select Vehicle from the pop-up menu.

(2) Move the pointing hand over the vehicle on the map (or group of vehicles) and click on it.

Note: The Server Vehicle Kit Control window will open. The Selection tab appears. A vehicle or list of vehicles at that location will be listed. If you do not click on or near a vehicle, the list will be empty. In cases where the icon is not on the map, due to being hidden or off the edge of the map, it is necessary to go to the Assignments tab, open the fleet containing the vehicle, and operate on the vehicle there.

(3) Click on the vehicle of interest to select it.

(a) Time toggles the time and date tag on or off.

(b) Trace allows you to draw a line that shows the history of a vehicle's travels. Make sure that Trace has a check mark so as to enable this feature.

(4) Right click on the vehicle to display a pop-up menu. The most useful functions of this menu are: Center on Vehicle, Display, Clear Trace, Trace Options and State.

(a) Center on Vehicle will relocate the map so that the vehicle is at the center of the map.

(b) Display has a sub menu: Vehicle, Name, Time and Trace. Vehicle allows you to choose whether to display that unit on the map or not. Name toggles the name tag on or off.

(c) Clear Trace will remove from the map the line representing the path that the vehicle has taken. Once removed, it cannot be restored.

(d) Trace Options allows you to choose the color, type and width of the line for the path being traced for the specific vehicle.

(e) State has one sub menu: Track. When this option is checked, the map will automatically redraw when the specific vehicle reaches the edge of the map. This will keep the vehicle displayed on the map at all times for the purpose of "tracking" it.

Note: This function could be used along with Trace for your own vehicle. This would allow you to follow yourself on the map and if necessary, follow the same path back to the point of origin.

c. Normal will return your pointer to a standard pointer.

d. Zoom In, Zoom Out: Zooming in provides more detail for a specific area, while zooming out is a way to show less detail, but more geographic area. Click on the map at the point you wish to become the center of map. The map will zoom with the point clicked becoming the new center of the map.

Note: While zooming in or out, the user can click the mouse several times and the software will skip the intermediate redraws. So instead of clicking, waiting, clicking, and waiting, just click several times and wait once.

e. When Move is selected, the cursor becomes a hand. Click on the map and hold down the left mouse button, then drag the map to the desired position. When you release the mouse, the map will redraw in the new position.

f. When Change Center is selected simply click on the map and the map will move with the point clicked becoming the new center of the map.

g. When Measure is selected, straight-line distances can be measured on a map. Click and drag the cursor from point A to point B on the map. Before releasing the mouse button, look at the scale display at the bottom of the map window. It displays the distance in kilometers, nautical miles, or statute miles. Once you release the mouse, the distance measurement will disappear. To change the Units of Measure Right click on the map and select Units. Select whether you want the map in kilometers, nautical, or statute miles.

h. Select Reset to return the map to the view seen at startup.

6. Review vehicle groups.

a. Select Review Groups from the Options Menu of MTS Messenger.

b. Select a group from the Select Control Group. The vehicles assigned within the selected group will be displayed in the Vehicles in Group box .

c. Modify Groups.

(1) Select Modify Groups from the MTS Control Station Messenger menu.

(2) Select the control group to be modified.

(3) Select vehicles and press the left or right arrow symbol to add or remove vehicles from the group. Press the Shift and Ctrl together to select multiple vehicles.

d. Add a new group.

Note: Select Add New Group from the MTS Messenger control station menu. The new group may add new MTS units. Mobile units will be removed from their existing group and added to the new group, while control stations will be added to the new group and remain in their existing group. This allows the control station operator, System Administrator, or CSSAMO the ability to customize control groups to suit the mission.

7. Promote Mobile to CS

Note: Under certain situations, a mobile unit may need promotion to control station status.

a. Select Control Station, Promote Mobile to CS on the MTS Messenger menu bar.

b. Select a control group.

c. Identify and select the unit within the control group needing promotion and press Promote Mobile.

d. A window will appear confirming the mobile unit's promotion to a control station. The mobile unit will receive notification of its new status in about five minutes.

Note: If a user attempts to promote a unit already promoted, or, if a unit demoted to mobile unit status while choosing what unit to promote will receive a message indicating the attempt failed.

8. Demote CS to Mobile

a. Select Control Station, Demote CS to Mobile on the MTS Messenger menu bar.

b. Select a control group. Identify and select the unit within the control group that should be demoted and press Demote CS.

Note: A control station can NOT be demoted if they belong to more than one Group. Before they can be demoted they must be removed from all but one group. The Modify Control on allows an Administrator to remove the unit from extra groups.

c. A window will appear showing status of demotion.

9. Release Bumper Number

a. Select Release Bumper Number on the Control Station menu.

b. Select the bumper number to release.

c. Press the Cancel button to exit the dialog.

d. Press the Release button.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: None

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Read messages.			
a. Selected read messages menu then Read Current.			
b. Clicked message to read.			
c. Clicked the Reply button to return a message to the sender or "Done" to go back to the main window.			
2. Sent messages.			
3. Sent message to Control Station.			
a. Selected the Send Messages then option To CS or pressed F2			
b. Selected the Send Messages then option To Mobile or pressed F3			
c. Selected the Send Messages then option Send Distress Message or pressed F12			
d. Chose a recipient for the message from Select Unit List.			
e. Typed message into Message to Send box			
f. Pressed the Send button. Go to Read Messages - Review Sent Messages to see if the recipient received the message.			
g. Pressed the Cancel button to return to the main window without sending.			
h. Pressed the Recall button to load the last sent message into the Message Box.			
i. Pressed Clear button to clear message text field.			
j. Pressed F6 to review sent message			
4. Started TracerLink Pro.			
5. Double-clicked on the Vehicle Server Icon to start TracerLink Pro			
6. Initiated Map Viewer			
7. Clicked on Icon representing area of operation			
8. Displayed Pop-Up Menu			
a. Right clicked anywhere on map to display Pop-Up menu			
b. Selected a vehicle by clicking on vehicle or group of vehicles to start Server Vehicle Kit Control			
(1) Clicked on vehicle of interest			
(2) Toggled time and date tag on and off			
(3) Traced vehicle's travels			
(4) Right clicked on vehicle to show vehicle Pop-Up menu			
c. Zoomed in and out by clicking on map			
d. Moved map by clicking and dragging			
e. Changed center of map			
f. Measured a distance on map			
g. Reset map to original view			
9. Reviewed vehicle groups.			
a. Selected Review Groups from the Options Menu.			
b. Selected a group from the Select Control Group.			
c. Modified Groups.			
(1) Selected Modify Groups from Control Station menu.			
(2) Selected the control group to be modified.			
(3) Added or removed vehicles			
d. Added a new group			
(1) Selected Add a New Group from Control Station Menu			
(2) Customized group to suit mission			
10. Promoted Mobile to CS			
a. Selected Control Station, Promote Mobile to CS from MTS Messenger menu			
b. Selected a control group			
c. Identified and selected the unit needing promotion			

11. Demoted CS to Mobile			
a. Selected Control Station, Demote CS to Mobile on MTS Messenger Menu			
b. Selected a control group and unit within that group to be demoted.			
c. Pressed Demote CS			
12. Released a Bumper Number			
a. Selected Release Bumper Number on CS Menu			
b. Selected Bumper Number to Release			
c. Pressed Cancel to exit dialog box			
d. Pressed Release			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	MTS CS HANDBOOK	MTS CS Handbook	Yes	No
	MTS PLUS EUM REV B	Movement Tracking System Plus End User Manual CMDC-DOC-076 Rev B	Yes	No

Environment: Make every effort to reduce or eliminate contaminant spillage. Materials and reactionary measures should be in place (SOP) to immediately recover any spillage that occurs within the operational area. Enforce compliance with SOP guidelines regarding environmental issues. Certain measure that may be taken are, but not limited to: Designate POL storage area and recycling of used oils and lubricants. Provide and use drip pans for each vehicle, if tactically feasible. Identify spillage quickly and respond immediately.

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. Electrocutation can result if equipment is operated without proper ground.

Do not place equipment directly on wet ground, snow, or ice when operating.

Equipment uses power line voltage. Serious injury or death may occur on contact. Observe safety precautions when contacting power cables or performing maintenance.

Before connecting the equipment to a power source, ensure all power switches are in the off position.

If using extension cords, only use approved, heavy-duty cords.

The PLGR will use an external power source. The BA-5800 battery will not be used. The use of the internal in conjunction with external power can result in an explosion of the PLGR.

Do not be misled by the term "low voltage." Potentials as low as 50 volts may cause death under adverse conditions.

Failure to power the Control Station from a grounded 110/220 AC outlet may result in serious personnel injury (see section on Control Station Installation). Never touch an exposed wire. If a piece of equipment appears damaged do not touch it. Never touch a piece of equipment to see if it is conducting electricity.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0016	Redirect Vehicle Operators Using Movement Tracking System (MTS)	55 - Transportation (Collective)	Approved
55-2-0009	Provide Mission Command of Transportation Operations	55 - Transportation (Collective)	Approved