

Summary Report for Individual Task
061-320-5304
Orient the GLPS for Direction Using Known Position
Status: Approved

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

DESTRUCTION NOTICE: None

Condition: As a gunnery sergeant or a recon sergeant, given a GLPS, known position and an order to orient the GLPS. Some iterations of this task should be performed in MOPP.

Standard: Orient the GLPS for direction using the known position to determine the location of the GLPS without error or disrupting the gyroscopes IAW the technical guidance listed in TM 9-6675-347-13&P.

Special Condition: None

Special Standards: None

Special Equipment:

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: Upon occupation of a firing positions and laying the battery.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Input known position.

Note: Input Position is normally used when PLGR data is not available or when operating at a previously established known location.

- a. Select Input Position using the down cursor key, then press the right cursor key or ENTR.
- b. Input or change position data by pressing the right cursor key. This will underline, or highlight, one digit within the selected line of data, as seen below.
- c. Press up or down cursor key to change the number until the desired digit is displayed.
- d. Press the right cursor key to move to the next digit. Continue this process until all digits in the line are correct, then press the ENTR key to enter the data. The cursor will disappear.
- e. Press the down cursor key to move the cursor to the next line of data.
- f. Select northing (N) by pressing the right cursor key and repeat process to input known northing data. Press ENTR to continue.
- g. Select height (H) and repeat process to input known altitude data. Press ENTR to continue. Press ENTR again to continue.
- h. The system is now ready to be oriented and will automatically display the orientation menu.

2. Orient the GLPS for direction.

Note: GLPS Orientation for Direction. The operator will orient GLPS for direction following one of the three methods of orienting. Orientation is performed prior to laying howitzers or measuring angles. This function will start immediately upon GLPS receiving position data either from PLGR or an alternate method. Two methods are provided for orienting the system. GLPS provides the option of manually inputting a known azimuth. Orienting by Gyroscope is the primary method of orientation.

CAUTION

CAUTION. DO NOT DISTURB THE SYSTEM WHILE THE GYROSCOPE IS MEASURING. VIBRATION IN THE IMMEDIATE VICINITY OF THE GYROSCOPE WILL UNNECESSARILY INCREASE SPIN-UP TIME.

NOTE. In windy conditions, the operator should position himself between the instrument and the wind to block the wind. This will eliminate some of the vibration to the system from the wind and decrease gyroscope spin up time.

a. Orient the GLPS using the Gyro Method. The gyroscope measures the direction of true north and displays the direction in grid azimuth on the theodolite display.

b. Select Run Gyro by pressing the right cursor or ENTR key. This action will engage the gyroscope.

This screen will remain visible until the gyro has completed measuring.
The gyro requires approximately three minutes to complete orientation.

c. After GLPS is oriented, the gun laying menu will be displayed.

(Asterisks indicates a leader performance step.)

Evaluation Preparation: Setup: Ensure that all components of the GLPS are available and ready for operation. Brief Soldier: Give the soldier the known position and tell him to orient the GLPS.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Inputted known position.			
2. Oriented the GLPS.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 9-6675-347-13&P	Operator, Organizational and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for Gun Laying and Positioning System (GLPS): M67 (NSN 6675-01-430-1965) (EIC: CJ2)	Yes	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. The laser range finder is eyesafe when operated according to the operator manual.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
06-4-5021	Prepare Howitzer for Conduct of Fire Missions (Non-Paladin)	06 - Field Artillery (Collective)	Approved