

Report Date: 15 Nov 2013

**Summary Report for Individual Task
052-243-1604
Perform as a Rodman During Conventional Surveying Observations
Status: Approved**

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

DESTRUCTION NOTICE: None

Condition: In a field environment given a prism pole with target, an individual to serve as the total station instrument operator, and Technical Manual (TM) 3-34.55. This task should not be trained in MOPP.

Standard: Perform as a rodman during conventional survey observations by ensuring all natural and manmade features are selected. Keep the rod level, ensure target height remains constant, and move according to the instrument operator's commands.

Special Condition: This task should be executed simultaneously with Task #052-243-1601, Perform a Preliminary Site Survey with a Total Station Survey Instrument.

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Set prism pole height in accordance with instrument operators guidance.

2. Collect points necessary to fully depict physical features.

Note: Points may be, but are not limited to: Road, Buildings, Sidewalks, Above and Below Ground Utilities, Waterways, Tree Lines, Large Trees (+6").

a. Determine a physical point/feature to occupy.

b. Provide the instrument operator (IO) with a description of the occupied point/feature (examples: End of Sidewalk, Manhole, Corner of Building).

c. Plumb the prism pole over the point/feature.

d. Move when signalled by the IO.

e. Select a new point/feature to occupy.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show them how to do it correctly.

Evaluation Preparation: Setup: Provide the Soldier with the items that are listed in the condition statement. Ensure that all safety precautions are followed. Prepare the testing site and equipment in advance to ensure that the task standard can be met.

Briefing: Give the Soldier a safety briefing and read the task, condition, and standard before starting the test.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Set prism pole height in accordance with instrument operators guidance.			
2. Collected points to fully depict physical features.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 3-34.55	Construction Surveying	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. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. 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, 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, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Training must be done to standard. Standards have been developed that accomplish the task in a safe manner. Do not take short cuts. Adhere to the task steps and their standards. Soldiers must be aware of the harm they can cause to themselves and others by the way they operate and train their assigned equipment. They must

understand what can happen when they take unnecessary risks in the course of training. Trainers should initiate a risk assessment of training before it is conducted.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-243-1602	Perform a Preliminary Site Survey (Topographic/Radial Survey) with a Total Station and Survey Controller	052 - Engineer (Individual)	Approved
052-243-1601	Perform a Preliminary Site Survey (Topographic/Radial Survey) with a Total Station Survey Instrument	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-243-1605	Install Survey Stakes for Horizontal Projects	052 - Engineer (Individual)	Approved
052-243-1602	Perform a Preliminary Site Survey (Topographic/Radial Survey) with a Total Station and Survey Controller	052 - Engineer (Individual)	Approved
052-243-1304	Install Construction Survey Stakes and Markers	052 - Engineer (Individual)	Analysis
052-243-1606	Install Survey Stakes for Vertical Projects	052 - Engineer (Individual)	Approved
052-243-1601	Perform a Preliminary Site Survey (Topographic/Radial Survey) with a Total Station Survey Instrument	052 - Engineer (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-1-0719	Perform Quality Control Operations	05 - Engineers (Collective)	Approved
05-3-5102	Construct Roads	05 - Engineers (Collective)	Approved
05-3-0313	Construct Retenments	05 - Engineers (Collective)	Approved
05-4-0712	Perform Construction Survey	05 - Engineers (Collective)	Approved
05-3-5222	Construct a Steel-Frame Pre-engineered Structure	05 - Engineers (Collective)	Approved
05-6-0715	Coordinate Construction Operations	05 - Engineers (Collective)	Approved
05-3-5143	Construct a Helipad	05 - Engineers (Collective)	Approved
05-3-5114	Conduct Construction Drainage Operations	05 - Engineers (Collective)	Approved
05-3-5221	Construct a Headwall	05 - Engineers (Collective)	Approved
05-3-5212	Construct Electrical Utilities	05 - Engineers (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
12T10, Technical Engineer Specialist, Skill Level 1	Enlisted	MOS: 12T, Skill Level: SL1, Duty Pos: KIR