

**Summary Report for Individual Task
441-40A-1010
Troubleshoot Voice and Data Radios
Status: Approved**

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

DESTRUCTION NOTICE: None

Condition: Given a voice and data radio malfunction/fault, satellite communication (SATCOM) radio, ultra high frequency (UHF) radio, very high frequency (VHF) radio, high frequency (HF) radio for voice/data. This task should not be trained in MOPP.

Standard: Troubleshoot voice and data radios IAW the local SOP, all steps performed without causing injury to crew members/personnel, with no damage to equipment and minimal damage to the environment.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: Given a voice and data radio malfunction/fault, satellite communication (SATCOM) radio, ultra high frequency (UHF) radio, very high frequency (VHF) radio, high frequency (HF) radio for voice/data.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: All required Air Defense specific references will be provided by local Air Defense Command.

Performance Steps

1. Verify fault.
2. Isolate fault
3. Repair fault.
4. Contact higher level maintenance, if required.

(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 fault.			
2. Isolate Fault			
3. Repaired fault.			
4. Contacted higher level maintenance, if required.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ABAGC215	VOICE/DATA COMMUNICATIONS OVERVIEW (AN/PRC-117)	Yes	Yes
	ADAMB215	VOICE/DATA COMMUNICATIONS OVERVIEW (AN/PRC-117)	Yes	Yes
	TM 11-5820-890-10-1	OPERATORS MANUAL FOR SINGGARS GROUND COMBAT NET RADIO, ICOM MANPACK RADIO AN/PRC-119A (NSN 5820-01-267-9482) (EIC: L2Q) SHORT RANGE VEHICULAR RADIO AN/VRC-87A (5820-01-267-9480) (EIC: L22) SHORT RANGE VE	Yes	Yes
	TM 11-5820-890-10-3	OPERATORS MANUAL FOR SINGGARS GROUND COMBAT NET RADIO, NON-ICOM MANPACK RADIO AN/PRC-119 (NSN 5820-01-151-9915) (EIC: L2A) SHORT RANGE VEHICULAR RADIO AN/VRC-87 (5820-01-151-9916) (EIC: L2T) SHORT RANGE	Yes	Yes

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, 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. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation. Adhere to all WARNING and CAUTIONS listed in the equipment technical manual applicable to this procedure(s). Failure to comply may result in injury to personnel or damage to the equipment. Use common safety precautions. Remove all personnel jewelry to prevent injuries.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 140A - Command and Control Integrator - SL1 (WO1/CW2)	Warrant Officer	MOS: 140A, Skill Level: CW2, Duty Pos: DBG