061-275-1004
Configure Radio to Transmit Digital Data
Status: Approved

Conditions: In a field operational environment you have been directed to configure the digital radio to transmit data. Given an operational vehicle mounted radio set AN/VRC-90F, RT-1523E/F, AN/PYQ-10 (SKL), TM 11-5820-890-10-6.

Standards: Configure radio to transmit digital data without error, while utilizing the GO & NO-GO criteria, IAW TM 11-5820-890-10-6.

Special Conditions: None

Safety Risk: Low

MOPP 4:

Task Statements

Cue: In a field operational environment, you have been directed to configure the digital radio to transmit data.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: All required FA-specific references and technical manuals will be provided by the local FA Command.

Performance Steps

1. Turn radio on/set Function (FCTN) knob to Load (LD)

2. Set appropriate Mode to Single Channel (SC) or Frequency Hop (FH)

3. Set appropriate Comsec to Plain Text (PT) or Cipher Text (CT).

4. Load Comsec with Simple Key Loader (SKL) (if applicable).

    a. Set Julian Date (if applicable).

    b. Set Dagger time (if applicable).

5. Press Frequency button/press clear button/set frequency/press stow.

6. Press Data/4 button on radio display until pertinent data rate is displayed.

7. Press STO button.

8. Switch function knob to SQ/ON.

(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 the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: 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 they are required to do in accordance with the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Turned radio on/set Function (FCTN) knob to Load (LD)			
2. Set appropriate Mode to Single Channel (SC) or Frequency Hop (FH)			
3. Set appropriate Comsec to Plain Text (PT) or Cipher Text (CT).			
4. Loaded Comsec with Simple Key Loader (SKL) (if applicable).			
5. Pressed Frequency button/press clear button/set frequency/press stow.			
6. Pressed Data/4 button on radio display until pertinent data rate is displayed.			
7. Pressed STO button.			
8. Switched function knob to SQ/ON.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	TM 11-5820-890-10-6	SINCGARS ICOM GROUND RADIOS USED WITH AUTOMATED NET CONTROL DEVICE (ANCD); PRECISION LIGHTWEIGHT GPS RECEIVER (PLGR); HANDHELD REMOTE CONTROL RADIO DEVICE (HRCRD) OPERATORS POCKET GUIDE RADIO SETS MANPAC	Yes	Yes	

TADSS : None

Equipment Items (LIN):

LIN	Name
R30343	RT-1523E(C)/U
R45463	RE TR R RT-1523F(C)/U
R68044	Radio Set: AN/VRC-90F(C)

R44999	Radio Set: AN/VRC-89F(C)
FA101N	Transfer Unit, Cryptographic Key

Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
	5895-01-382-3221	FA958Z	Control, Indicator	1
	5965-01-382-3222	FB6503	Loudspeaker, Permanent Magnet	1
	5965-01-453-2687	FB6583	Headset-Microphone: H-374(V)4/VRC	1
	5825-01-516-8038	N96248	Navigation Set: Satellite Signals AN/PSN-13	1
	5810-01-517-3587	C05002	Transfer Unit, Cryptographic Key: AN/PYQ-10(C)	1
	5830-01-382-3218	FA3057	Control, Intercommunication Set	1

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 the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer 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 current CBRN doctrine. See Attached DD 2977. Leaders will complete the attached DD 2977 DELIBERATE RISK ASSESSMENT WORKSHEET (DRAW) during the planning and completion of this task.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

Knowledges :

Knowledge ID	Knowledge Name
K-551-G-0007	How to read and interpret technical manuals
K26610	Know the characteristics, components, controls and indicators of the SINCGARS/ASIP (ICOM) radios
101-K-M004	Know how to communicate orally and in writing.
K22754	Know the SINCGARS controls and indicators

Skills :

Skill ID	Skill Name
301-S-163	Operate a SINCGARS radio.
011-159S	Operate Sincgars-v Data Operations
S0820	Use of operator's manual
S0825	Ability to record data correctly
551-S-0152	Ability to communicate effectively

ICTL Data :

ICTL Title	Personnel Type	MOS Data
13J Fire Control Specialist - SL10	Enlisted	MOS: 13J, Skill Level: SL1