P3: Tactical Handheld Radio

Based on:

113-COM-1016-Operate Simple Key Loader (SKL) AN/PYQ-10
807-UCS-3174-Operate the Simple Key Loader (SKL) KG-175D
113-25U-1011-Operate AN/PRC-148 Multi-band Inter/Intra Team Radio (MBITR)
113-25U-1014 Operate AN/PRC-152-Multi-Band Multi-Mission Handheld Radio (MMHR)

Task: Assemble and load Communications Security (COMSEC) into a tactical handheld radio using an SKL. Program it for secure, frequency hopping, SINGARS voice communications using a DAGR. Conduct a radio check using an external headset/handset.

Condition: You are a member of a team who has been directed to prepare the Unit radios for dismounted operations in a non-CBRNE environment. You are in the patrol base preparing to move to the Objective Rally Point. Enemy presence is suspected.

Standard: Correctly perform all tasks, using the proper radiotelephone (RTO) pronunciation and procedures within eight minutes.

Station Requirements: One set of Signal Operating Instructions (SOI) according to unit SOP, with all pertinent frequencies and details listed. All call signs/suffixes required and an information sheet showing the appropriate COMSEC for each week of the month. One operational, tactical handheld radio with no frequencies programmed, no COMSEC loaded, set up for communication via internal microphone/speaker, and disassembled. A second operational, tactical radio loaded with training COMSEC and pertinent frequencies for the Grader to use. All other necessary radio Basic Inventory Items (BII). A Simple Key Loader (SKL) with all necessary BII and loaded with four weeks of training COMSEC keys. A DAGR with all BII, properly set up with the correct time. The frequencies, COMSEC, and message to be transmitted must differ between the training week, test holding area, and at least two test sites. Do not allow the candidate to see the SOI until time starts. Grader will confirm that both the SKL and DAGR are powered on and unlocked before the candidate's time starts.

1. Assemble the radio.
    a. Battery.
    b. Antenna (May be done after loading COMSEC if necessary).
    c. Headset or external microphone/speaker (May be done after loading COMSEC).
2. Power on the radio.
3. Load the appropriate COMSEC keys into the radio with an SKL.
    a. Select the correct COMSEC keys for the appropriate week.
    b. Load the correct hop set.
4. Program one secure, operational frequency into the radio according to the SOI. CT; SINGARS; frequency hop.
5. Change the settings to allow the radio to communicate via headset or external microphone/speaker.
6. Set the time with a DAGR.
7. Radio check. ***It is a NO-GO if the Candidate is unable to communicate with the Grader on the specified frequency or the Candidate uses improper RTO pronunciation or procedures.***