

L-0014
SETUP COMMUNICATIONS EQUIPMENT AT MISSION BASE

CONDITIONS

You are a Communications Unit Leader for a mission. Upon arrival at the mission base, you have to set up the communications system. This includes the safe installation of radios, antennas, etc.

OBJECTIVES

1. The Communications Unit Leader is responsible for the safe and efficient setup of communications equipment at the mission base.
2. Equipment should be setup, adequately grounded, and operational as soon as possible to provide support to the mission.

TRAINING AND EVALUATION

Training Outline

1. Locate a site for location of radio equipment in accordance with the communications plan for the mission. Install radios, antennas, and power distribution with safety in mind. Once installed, all equipment must be tested to assure proper working condition.
2. The student should be able to demonstrate the following:
 - a. Choose a communications area that is conducive to good operations. This area may be one or more areas at the same base. The mission Emergency Communications Plan should cover this.
 - b. Assemble and install the equipment making sure to route cables and power cords in accordance with good operating practices.
 - c. Assure all equipment is functioning properly.
 - d. Assure adequate standby power is available to maintain operations in the event of power failure.
 - e. Assure all equipment is adequately grounded.

Additional Information

More detailed information on this topic is available in various publications including the ARRL Handbook, ARRL Antenna Book, etc.

Evaluation Preparation

Setup: The student must be supplied with the normal equipment used at any exercise or mission base and a location that will simulate a mission base. Using an actual exercise would be an ideal situation for this evaluation.

Brief Student: Acting as the Communications Unit Leader and working with the IC and other mission staff, choose the optimum location for mission communications at the base and install all necessary equipment.

Evaluation

<u>Performance measures</u>	<u>Results</u>	
1. Choose a communications area.	P	F
2. Assemble and install antenna(s)	P	F
3. Run cables from antenna(s) to equipment maintaining a safe operating environment.	P	F
4. Assure all equipment is functioning properly.	P	F
5. Assure adequate standby power is available and provide checklist for the smooth transition from commercial to standby power.	P	F
6. Assure equipment is adequately grounded.	P	F

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.