

Exercise 4-1

Communication Asset Deployment Strategies

Unit 4

Purpose

The purpose of the exercise is to provide the students with an opportunity to develop deployment strategies for communication assets in all-hazards environments, explain the challenges that their strategy overcomes, and identify any challenges created by their strategy.

Objectives

Students will:

- View slides of all-hazard situations and develop strategies for deploying portable communications equipment in that situation.
- Identify how those strategies overcame challenges and may have created new challenges.

Exercise Structure

This exercise is scheduled to last approximately 30 minutes, including instructor led discussion. The instructor will review the slides with the participants discussing key points.

Key Points to consider as you discuss your strategies:

- “Hot and High” (Max power & max elevation) is often a poor strategy.
- Refer to the incident objectives, “What is the nature of the incident? What are you trying to cover?”
- Being on the skyline of a metropolitan area can bring more interference than you may be able to manage.
- Consider using buildings for blocking interference.
- Stay off RF congested sites.
- Consider site security and access.
- Can you use a mid floor window and have the building act as a shield?
- Coverage in “concrete canyons” (metros) can present issues.
- Consider multiple possibilities and alternates.
- Existing towers are only useful if you have OSHA qualified personnel to install antennas.
- Test, test, test.
- Know where your coverage is and is not.
- Don’t overlook the obvious.

- Elevation is not the only consideration.

Rules, Roles, and Responsibilities

Students will participate in an instructor led discussion.

Following are the specific activities/instructions for your participation in the exercise:

1. Review the slides as presented by the instructor.
2. Identify repeater deployment challenges associated with that environment.
3. Identify challenges that their proposed solutions may create.
4. Develop a deployment strategy for communication assets based on these challenges.
5. Identify challenges created by their solutions.

Instructors moderate discussions, answer questions and debrief the exercise when students are finished with the final slide.

Exercise 4-1 Schedule

Activity	Duration	Participation Type
Exercise	30 minutes	Classroom
