

LOCATE A POINT ON A MAP USING THE CAP GRID SYSTEM**CONDITIONS**

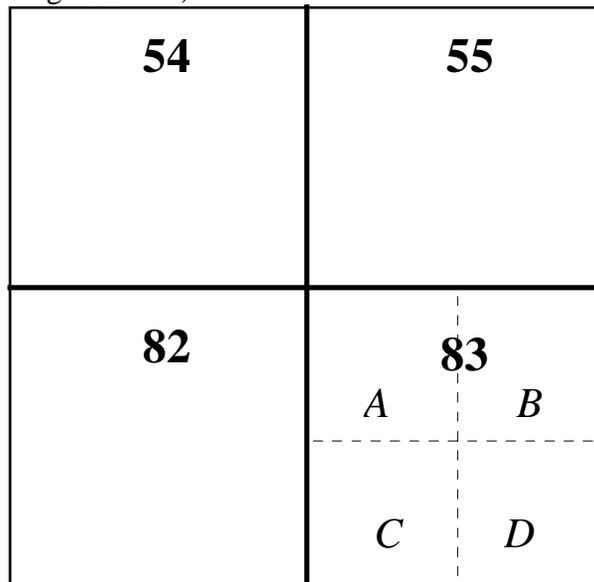
Given an aeronautical chart, road map, or topographical map gridded with the CAP grid system. You are away from mission base, mounted or dismounted, and must plot your location on a CAP gridded map in order to report it, an aircraft or another ground element. Or, you are coordinating with another search element (ground or air) who has told you his location using the CAP grid system. You want to plot this point on your map.

OBJECTIVES

Within 1 minute, the team member announces the CAP grid and sub-grid that the point is located in, using correct terminology, and can plot a point on the map given the CAP grid coordinates orally.

TRAINING AND EVALUATION**Training Outline**

1. The CAP grid system is designed for use on aeronautical charts, but can be adapted to any map with latitude/longitude markings around the edge.
2. A grid is a 15 minute latitude by 15 minute longitude box. This is done by dividing the 30 minute by 30 minute boxes already on the aeronautical chart into fourths. Each grid is identified with a number. (For example "I am located in Grid 54").
3. To locate a position more precisely, mentally divide each grid into four quadrants. The Northwest quadrant is "A", the Northeast is "B", the Southwest is "C", and the Southeast is "D". Say the quadrant letter after the grid number (for example, "I am in grid 54 B").



Example of CAP grids (54,55,82 and 83) and lettered quadrants (83A, 83B, 83C, and 83D)

4. To find the grid designation of a known point on the map
 - a. Find the grid number the point is in.

b. Determine which quadrant of the grid the point is in (A, B, C, or D)

5. To plot a point given a grid number and quadrant letter:

a. Find the appropriate grid on the map (the grid numbers increase as you look left to right and top to bottom on the map).

b. Mark the point in the appropriate lettered quadrant of that grid.

Additional Information

More detailed information on this topic is available in the Ground Team Member and Leader Reference Text and the Mission Aircrew Reference Text.

Evaluation Preparation

Setup: Mark a point on a CAP gridded map or chart and give the map to the student. Pick a different grid location from the point and write down the grid and quadrant. Ensure you have a timer.

Brief Student: Tell the student to tell you the CAP grid and quadrant designation of the point. Then orally give him the grid and quadrant of the point you wrote down and tell him to show you where that point is on the map.

Evaluation

Performance Measures

Results

The individual determines the grid of a known point:

1. Announces the correct grid number and quadrant within 1 minute

P F

The individual determines the location of a designated grid:

2. Finds the correct numbered grid and quadrant within 1 minute

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.