

P4: Defense Advanced GPS Receiver (DAGR) Operations

Based on:

113-COM-1016-Operate Simple Key Loader (SKL) AN/PYQ-10

807-UCS-3174-Operate the Simple Key Loader (SKL) KG-175D

301-PRO-6026-Load the DAGR with Crypto Variable (CV) Keys

301-PRO-6011-Enter Waypoints in the DAGR

301-PRO-6012-Program a Route into the DAGR

301-PRO-6016-Operate the DAGR in a Jamming Environment

301-PRO-6515-Bring AN/PSN-13 Defense Advanced Global Positioning Receiver (DAGR) to an Operational State When Satellite Signals are Weak or Lost

Task: Load two months of crypto keys into the Defense Advanced Global Positioning Receiver (DAGR) and set to use only secure satellites. Enter mission duration, enter waypoints, and create a route. Operate DAGR when satellite signals are weak.

Condition: You are a member of a team who has been directed to prepare for dismounted operations in a non-CBRNE, Electronic Warfare (EW) contested environment. You are in the forward operating base (FOB) preparing to move to the Objective Rally Point. Grader states mission duration: crypto key rollover will occur during your mission.

Standard: Correctly perform all tasks within 15 minutes.

Station Requirements: One set of Signal Operating Instructions (SOI) according to unit SOP, with all pertinent information showing the appropriate crypto for each month. One properly set up DAGR, with all necessary Basic Inventory Items (BII), including a DAGR fill cable. A Simple Key Loader (SKL) with all necessary BII and loaded with two months of training crypto. Three 10-digit grids for the Candidate to enter as waypoints and create the route. Do not allow the candidate to see the SOI for each lane prior to time starting.

1. Load current months and next months' crypto keys into the DAGR.
2. Restrict DAGR to use only secure satellites.
3. Enter mission duration.
4. Mark present position as a waypoint.
5. Enter three waypoints given.
6. Create a route using all four waypoints in the correct order.
7. Place DAGR in Average Mode.