

Control Station: (description of number of stations, remote control, locations, system specifications etc.)

The RQ-7B has two Ground Control Stations (GCS) and one Portable Ground Control Station (PCGS). An AO located in the GCS controls the UA, continually monitoring system status, and maneuvers the UA as desired. The downlink data includes a display of health and status parameters such as attitude, magnetic heading, indicated airspeed, GPS position, barometric altitude, rate of climb, engine instrumentation, and warnings and cautions. UA position is displayed onto a high-resolution digital map within the GCS. The primary and backup links have a line of sight operational range. Both links incorporate error detection to ensure that erroneous interference is not processed by the avionics. Two separate up-link frequency bands and a directional antenna are incorporated to minimize communication link issues due to interference. During mission profile both GCS and PCGS are utilized for redundancy and backup.

Shadow 200 System Baseline

System



Ground Data Terminal x 2

Ground Control Stations x 2



Remote Video Terminal & Antenna x 4



Portable Ground Control Station & Data Terminal

Air Vehicles with Payloads x 3



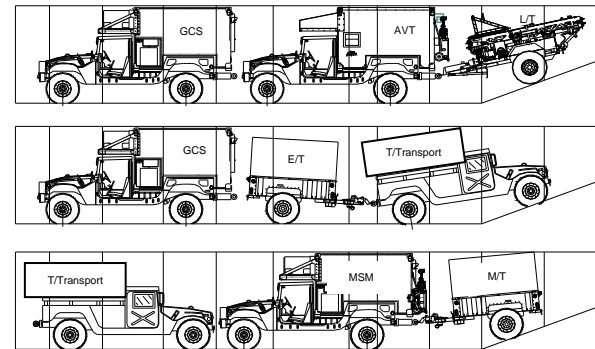
Air Vehicle Transport & Launcher Trailer



Arresting Net



Deployability / Transportability C130 Transportable



Maintenance Section



Air Vehicle



Personnel/
Equipment Transport



Equipment Trailer



Maintenance Section Multifunctional



Personnel
4 x 33W (EW System Repairer)
3 x 52D (Engine Mechanic)

Personnel

- 1 x 35D (Platoon Leader)
- 1 x 350U (UAV Warrant Officer)
- 1 x 96U (Platoon Sergeant)
- 12 x 96 U (Air Vehicle Operators)

Equipment Trailer



Personnel/
Equipment Transport

