

TGS

Transportable Ground Station

The Transportable Ground Station (TGS) consists of a S-788 Type I shelter mounted on a High Mobility Multipurpose Wheeled Vehicle (HMMWV) with tow-behind generator. The entire system can be deployed via C-130, and be used to provide Mission Planning and Payload Control for Intelligence, Surveillance, and Reconnaissance (ISR) missions on Manned and/or Unmanned Air Vehicles. The virtual computing environment and communication systems are backed by independent Uninterruptable Power Supplies (UPS), and secured in shock / vibration isolated racks designed to withstand rugged environmental conditions and extreme temperatures.



TRANSPORTABLE GROUND STATION (TGS)

User Interface:

- Noise Canceling Headsets
- Audio Management System
- Sealed Keyboard & Trackball
- Adjustable / Blackout Lighting
- 32" Displays with 4k Resolution
- Integrated Thin Client Computers
- Anatomically Contoured Operator Chairs

System Capabilities:

- Imagery Intelligence (IMINT)
- Signals Intelligence (SIGINT)
- Electronic Intelligence (ELINT)
- Communications Intelligence (COMINT)



Software

- COMINT & SIGINT Software
- Level Of Interoperability (LOI): 1,2,3,4,5
- Manned and Unmanned Mission Planning
- Redhat Linux, Windows OS, Virtual Environment
- Secure Server Backplane (80 Cores of Processing)

Shelter & System

- Solar Shade Canopy
- S-788 – Type I
- Emergency Power Off (EPO)
- HMMWV Platform - M1152A1
- Transport Compliant via C-130
- Uninterruptable Power Supply (UPS)
- Over Temperature Equipment Sensor
- Tactical - UHF/VHF Radios
- Quick Deploy & Pivoting Antenna Mounts
- Storage and Transit Case Secure Mounts
- Smoke CO2 Detector & Fire Extinguisher
- 22,000 BTU/Hr - Environmental Control Unit (ECU)
- 20kW Silent Diesel Tow-Generator with Light Tactical Trailer
- Shock and Vibration Isolated Computing Racks

