

MILSTAR Ground Command Post

NSN: To be determined

Reference: To be determined

General Information

The MILSTAR ground command post (GNDCP) terminals are designed for high capacity CP operations. This includes a mission control segment interface, force direction, CINCNET operation, and full-beam management capability. Depending on the configuration (and branch of service) the terminal can be fixed or transportable by aircraft, ship, or truck. The terminals use an extremely high frequency (EHF) uplink and a SHF downlink. Fielded terminals will use the Fleet Satellite (FLTSAT) EHF packages on FLTSAT 7 and 8 until the MILSTAR satellites are launched and operational.

Technical Characteristics

Communications Capability:

- Throughput: Can transmit on four EHF channels at 75-2400 bp/s, four EHF channels at 75-300 bp/s; and receiving sixteen SHF channels at 75-2400 bp/s and sixteen UHF DAMA channels crossbanded to SHF.

Security:

- KG-84A and KGV-11A COMSEC encryption.

Antenna:

- Fixed: 90 inch parabolic with ground fixed radome.
- Transportable: 96 inch with no radome (carried on a five-ton truck).

Shelter:

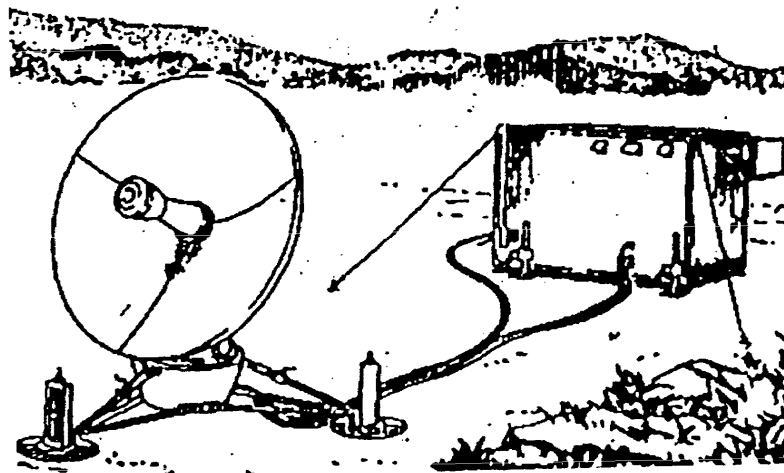
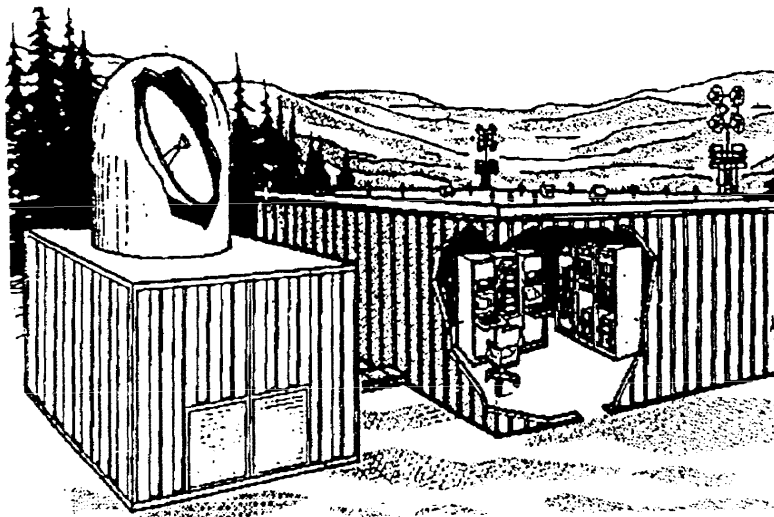
- Fixed: Housed in operational center
- Transportable: S280 transported by a five-ton truck.

Power:

- Fixed: Commercial power
- Transportable: Two 30 kW generators

MILSTAR Ground Command Post

AN/FRC-181 (EHF/UHF FIXED GNDSCP)



AN/TRC-194 (EHF/UHF TRANSPORTABLE GNDSCP)