

# WEAPONS

## Satellites

### Air Force Satellite Control Network

The Air Force Satellite Control Network consists of worldwide satellite operations centers comprised of remote tracking stations and command and control facilities. The facilities monitor satellites during launch, keep them in proper orbit and correct any anomalies.



### Defense Satellite Communications System

**Primary function:** Secure voice and data transmission. **Dimensions:** Phase III — rectangular body, 6 ft. x 6 ft. x 7 ft., 38 ft. span with solar arrays deployed. **Weight:** Phase III—2,716 lbs. **Power:** Solar arrays generating an average of 1,500 watts. **Orbit:** 22,230 miles.



### Defense Meteorological Satellite Program

**Primary function:** Weather data collecting. **Dimensions:** Height 12 ft. 2 in., length 20 ft. 2 in. **Weight:** 1,750 lbs. including 550-lb. sensor payload. **Power:** Solar array generating 1,000 watts. **Orbit:** Approximately 518 miles.



### Milstar Satellite Communications System

**Primary function:** Integrated, worldwide connectivity. **Weight:** 10,000 lbs. **Power:** Solar panels generating 5,000 watts. **Orbit:** 22,250 miles.



### Navstar Global Positioning System

**Primary function:** Navigation data. **Dimensions:** Block IIA — width 11 ft. 4 in., length (including wingspan) 17 ft. 4.6 in.; Block IIR — width 5 ft. 10 in., length (including wingspan) 37 ft. 5 in. **Weight:** Block IIA — 3,670 lbs.; Block IIR — 4,480 lbs. **Power:** Solar panels generating 800 watts. **Orbit:** 11,000 miles.



### Defense Support Program

**Primary function:** Detection. **Dimensions:** Diameter 22 ft., height 32 ft. 9 in. with solar panels deployed. **Weight:** 5,250 lbs. **Power:** Solar panels generating 1,485 watts. **Orbit:** 22,00 miles.