

Intelsat has an extensive ground network of Tracking, Telemetry and Command (TT&C) stations which are available to support customer satellite services. The available services range from the simple lease of an antenna, to the provision of the entire transfer orbit network. We make access to this network easy and convenient for the customer, with engineering and operations support to meet any specialized requirements.

Intelsat Satellite Services:

Transfer Orbit Support Services

Services Available

- Site determination
- Rehearsal planning and execution
- ITAR and other licensing
- Hindrance coordination
- 24/7 network monitoring



Features	Benefits
Coverage across the entire equatorial arc	Provides optimal network for all satellite and launch vehicle mission planning scenarios
Full performance C, Ku, DBS and Ka-band antennas (S-band available through lease of third party assets)	One stop shopping for all TT&C frequency requirements
Multiple antennas in each region	Maintain network availability in instances of overlapping missions
Robust infrastructure with multi-mission capability	Capability to support up to 3 simultaneous missions
Common data and voice communications network at all sites	Increased reliability and efficiency
24/7 redundant and diverse communication links	Increased reliability and reduced set up costs
Simple customer interface to the entire TT&C network via a single connection to the TOSS network hub	Less overhead for manufacturer to maintain

Intelsat TT&C Ground Network Facilities



Typical Antenna Specifications

C-Band Full Performance Antennas

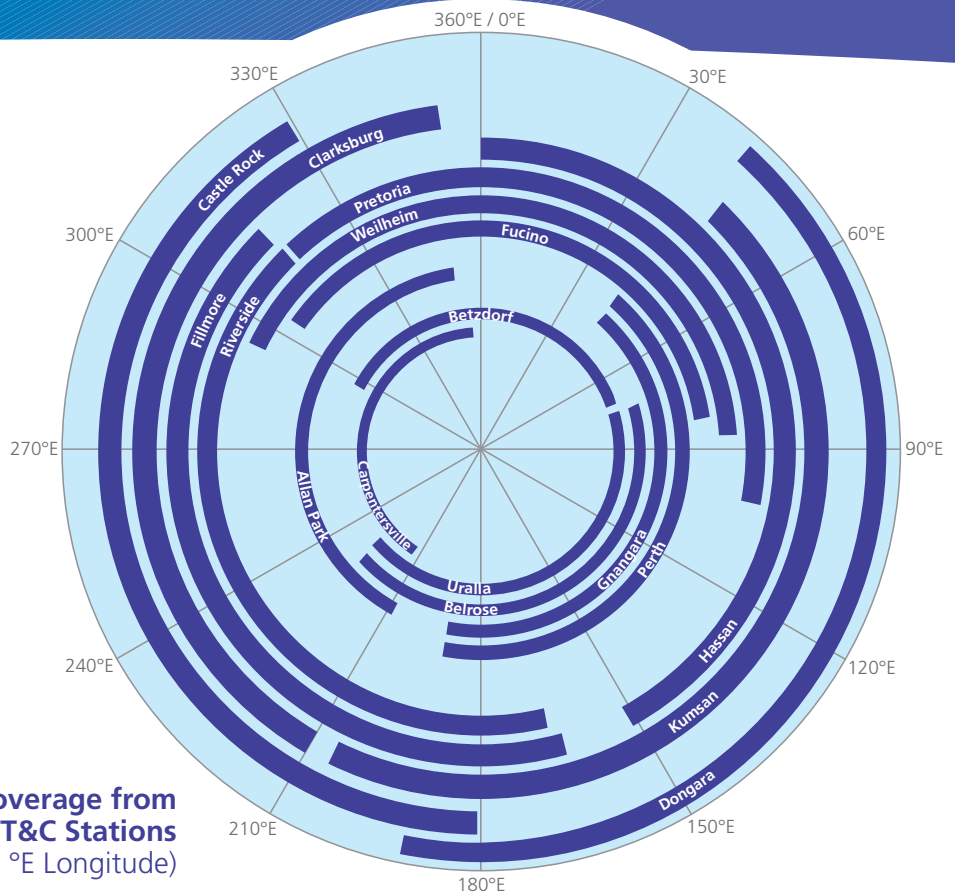
- 11-32m diameter
- Tx: 5850-6425 MHz / Rx: 3625-4200 MHz
- Polarization: Circular and Linear
- G/T: 31-41 dB/K
- Tracking: Monopulse and Programmable

Ku-Band Full Performance Antennas

- 11-14m diameter
- Tx: 13750-14500 MHz / Rx: 10950-12750 MHz
- Polarization: Circular and Linear
- G/T: >35 dB/K
- Tracking: Monopulse and Programmable

Ka-band Full Performance Antennas

- 8m-13.2m diameter
- Tx: 28350-30000 MHz / Rx: 18300-20200 Mhz
- Polarization: Circular and Linear
- G/T >42 dB/K
- Tracking: Monopulse



Orbital Coverage from Intelsat TT&C Stations (in °E Longitude)



Intelsat Satellite Services
 Lilian Sy
 +1 202-944-7700
 lilian.sy@intelsat.com
 satellite.services@intelsat.com
 www.intelsat.com