

Launcher Tracking service



www.sscspace.com



About SSC

Swedish Space Corporation (SSC) provides advanced space services to public and private organizations worldwide. Built on decades of experience, we offer proven expertise in space engineering, satellite ground station services and launch services.

We help Earth benefit from space.

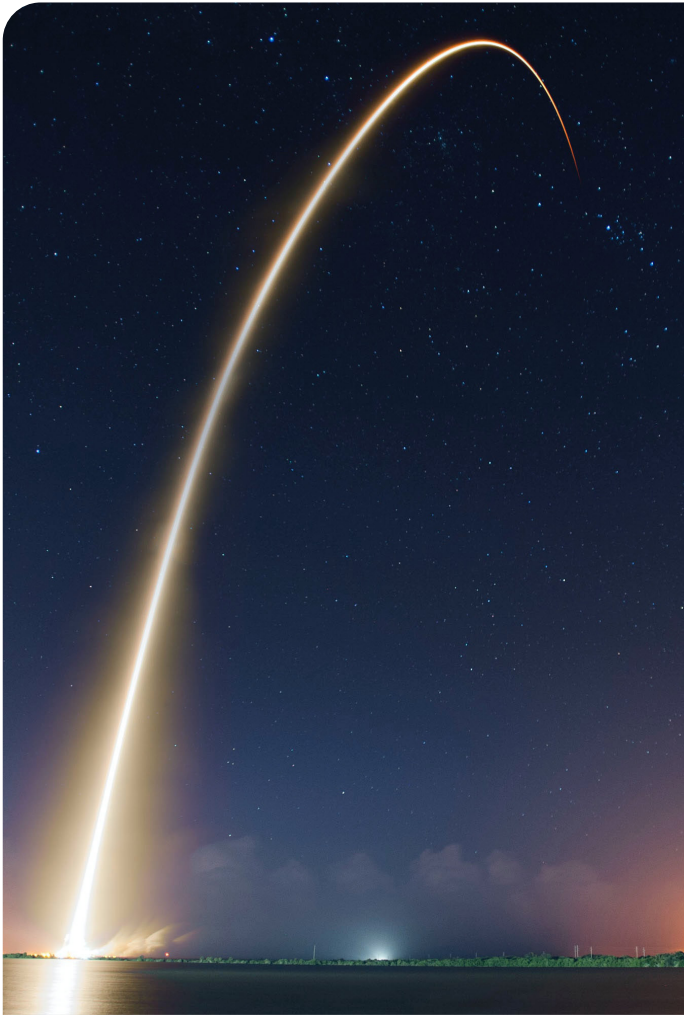
SSC Launcher Tracking service

On a yearly basis, SSC performs ground segment services to 1-5 Launcher Tracking supports and 15-25 LEOP missions for customers around the world.

The launcher tracking service is performed by SSC Technical Operations and Engineering teams which operates from Network Management Centers (NMC) and directly on the antenna sites.

Contact information

For further information please contact info@sscspace.com and we would connect you with a representant from our regional sales or engineering team.



SSC's Telemetry, Tracking and Control (TT&C) service allows the satellite owners to manage their satellites fully with outstanding coverage and availability.

The launcher tracking service is used to track and provide carrier uplink, angular measurements and telemetry reception from the launch vehicle within the time slot from ignition and lift off to satellite separation from the launch vehicle.

The Launcher Tracking service is utilizing an unparalleled network of worldwide locations.

The use of dual dedicated antennas and on-site personnel gives an availability and reliability of near 100%.

SSC's Terrestrial Network is designed to provide comprehensive communications with low latency and high availability all the way to our customers premises for immediate access of the result.

SSC has vast competence in providing the support or to aid in using Customer Furnished Items.



Service characteristics

- S-band*
- Full motion antenna
- Auto-tracking
- High availability
- Redundancy

S-band

| | |
|------|---------------|
| TX | 2025-2120 MHz |
| EIRP | ≥ 54.0 dBW |
| RX | 2200-2400 MHz |
| G/T | ≥ 17.5 dB/K |

**Additional capabilities are available up on request (E.g. X-Band)*

Included in the service

- Establishment
 - System test, validation and Launch network rehearsal
- Uplink telecommand
- Downlink real-time telemetry
- Telemetry playback
- On-line voice service
- Ground Network Communication
- Reporting
- Localization Service
- Angular
- Data storage
- Service Level Agreements

Options in the service

- Support of CFI-equipment
- Tailor-made solution
- Additional Engineering support: development, testing hours, analysis support

Communication - SSC Network to PoP

Primary: MPLS
Backup:* Internet VPN

**Option; MPLS*

MPLS Specification

| | |
|---------|-----------|
| Latency | ≤ 45 ms |
| Jitter | ≤ 15 ms |
| QoS | Available |

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