Everything You Need
to Know about Soracom's

Satellite Service

Soracom has partnered with
Skylo to offer satellite connectivity
to qualified customers.

How does it work?

Soracom customers can now activate Skylo connectivity via their SIM/eSIM to switch seamlessly between cellular connectivity and NTN via the global 3GPP Release 17.

- Devices Must include 3GPP R.17-capable LPWAN modules

- Must use Soracom plan01s or plan-US SIM cards

- Devices utilize Soracom's Subscription Container Service to add the Skylo-based satellite connectivity plan (planNT1) over the air.

- Available for customers in North America, Europe, and Oceania

Soracom's Satellite Service covers the

15%

of the globe not already served by our cellular connectivity

Why Soracom Satellite?

NTN typically comes with higher latency and base data cost compared to cellular. Fortunately, Soracom's platform services let customers minimize the amount of data transmitted and handshake over the satellite link while maintaining integration with their cloud service of choice. This approach maximizes coverage, including satellite failover, while also integrating billing and connectivity management using the Soracom connectivity management portal.

Global Coverage
Perfect for outdoor IoT use cases in areas with limited LPWAN coverage

Seamless Connectivity
Pairs effortlessly with Soracom's cellular connectivity to ensure uninterrupted service on a blended network

Enhanced Interoperability
Cost effective compared with traditional satellite networks

Device Flexibility
Compatible with a wider variety of devices than most NTN solutions

Sample Use Cases

Assurance / Detection

Industrial Safety Sensors
Disaster Prevention Sensors (i.e. Fire/Flood)
Alarm Detectors

Critical Monitoring

Deep Sea Communications (i.e. SOS, Messaging, etc.)
Critical Infrastructure Monitoring (i.e. pipeline, power grid, oil rig, etc.)
Intrusion/Perimeter protection (i.e. wildlife,maritime security, etc.)

High Economic Value Monitoring

Messaging (i.e. hiking, forest rangers, etc.)
Asset Tracking (i.e. Containers, cargo, wildlife/cattle, etc.)
Vehicle tracking

Skylo Specs

Protocol & Standard	3GPP NB-NTN (R17)
Bands	B23(NA) ,B255(EU), B256 (Global)
Data-addressing and routing	IP (UDP) and Non-IP traffic
Data-frequency & type	Periodic/Packet based/Non-streaming (<20 packets/min rate) data
Max size of data packet	256 bytes
Median Latency	>10 seconds
Power Saving Modes	PSM & eDRx Supported

*Skylo operates its own Radio Access Network and Core, and boasts its own certification program at the chipset, Module, and Device levels.

skylo

Questions about Soracom's Satellite Service?
Contact partnership-us@soracom.io.

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