

Thuraya 4-NGS



Thuraya 4-NGS is a next generation mobile telecommunications system that will drive the continued advancement of Thuraya's L-band business across Africa, Europe, Central Asia and the Middle East. It will increase coverage and capacity, while delivering better capabilities and flexibility to enable next generation mobility solutions for all customer segments, including defense, government and enterprise. Besides reinforcing Thuraya's leadership of the MSS voice market, the new system will spur the company's growth across many strategic product lines, such as maritime, IoT and data solutions, offering a wide spectrum of throughput capabilities and highest speeds available in the market.

Thuraya 4-NGS is based on the state-of-the-art all-electric Airbus Eurostar Neo Platform, which provides a superior combination of reliability, flexibility and efficiency. It comprises a large 12-metre L-band antenna and a payload with on-board processing, facilitating advanced routing flexibility of up to 3200 channels with dynamic power allocation over a large number of spot beams.

Key Highlights

Higher Throughput

Wide range of data rates above 1 Mbps

Efficient and smart resource management to support surge in hotspot areas

Unmatched Reliability

Designed with security and resilience in mind

More Value

Affordable, reliable with flexible plans

Advanced Technology

Based on the new all-electric Airbus Eurostar Neo platform

Wider Satellite Footprint

Europe, Africa, Central Asia and the Middle East

Innovative Design

Advanced routing flexibility of up to channels with dynamic power 3,200 allocation

Versatile Platform For Future Applications

New product development opportunities for IoT, maritime & government



Extended Coverage

Unique satellite design for wider coverage across:

- Africa & Europe
- Central Asia
- The Middle East

T4-NGS will also include vast stretches of the Atlantic and the Indian Oceans.

Thuraya 4-NGS offers a world of opportunities to customers, service partners, hardware manufacturers and integrators, enhancing user experience across land, sea and air. During and after the completion of the next generation programme, customers will enjoy seamless continuity of Thuraya's satcom services, with current products and solutions supported by its space and ground segments.



System Capabilities

Advanced high performance capabilities allowing:

- Wide range of data rates above 1 Mbps
- Spacecraft flexibility to dynamically support surge in hotspot areas
- Payload capacity supports 3 times the number of users than traditional MSS satellites
- Supports multiple technologies
- Payload adaptability



Bigger Opportunities

Unlocking a world of innovations for new product and solution development:

- System flexibility to support diverse portfolio of products (very small IoT devices, handheld terminals, transportable data terminals) with robust connectivity and high mobility
- Flexible platform designed for a wide range of existing and future services (voice, PTT, data, streaming, short burst messaging)
- Capability to develop vertical-specific products, solutions and applications



Expanded Coverage with T4-NGS

About Thuraya

Thuraya is the mobile satellite services subsidiary of Yahsat, a leading global satellite operator based in the United Arab Emirates (UAE), fully owned by Mubadala Investment Company. Established in 1997, Thuraya offers innovative communications solutions to a variety of sectors including maritime, energy, government, broadcast media, military, aerospace and humanitarian NGO. Thuraya's superior network enables clear communications and uninterrupted coverage across two-thirds of the globe by MSS, global VSAT coverage and around the world through its unique GSM roaming capabilities.

For more information, visit: www.thuraya.com.