





In July of 2019, Inmarsat (now Viasat) announced that it would introduce two new satellite payloads dedicated to the Arctic region in a partnership with Space Norway and its subsidiary Space Norway HEOSAT in 2024, helping address the communications challenges faced by governments in the region.

Announcing this partnership, Jostein Rønnerberg, CEO of Space Norway said: "In close collaboration with Inmarsat and government partners we are about to get in place a strategically important capacity for all those currently operating in the Arctic without access to broadband capabilities. Our focus is on the users – fishermen, researchers, rescue personnel, coast guard, military and others. We are proud to join forces with Inmarsat and we are confident that this collaboration will be welcomed by those operating in the High North."

The Arctic region satellites will be operated by Space Norway's Arctic Satellite Broadband Mission (ABSM) team and represent the world's first and only mobile wideband payload dedicated to the Arctic region.

The new GX payloads are designed to provide continuous, assured communications to tactical and strategic government users operating in the Arctic region, including customers in the USA, Canada, Scandinavia and other Arctic regions. Importantly, these payloads are engineered to provide KA Government capacity through service beams covering the full Arctic region continuously supplemented by high-capacity steerable beams, specifically dedicated to the most demanding government requirements.

Together these payloads, and the associated ground infrastructure, represent the world's first and only mobile wideband payloads dedicated to the Arctic. With planned placements into Highly Elliptical Orbits (HEO), they are expected to provide continuous coverage above 65° North, helping to ensure direct capacity to the areas of highest demand in real time.

FUTURE PROOF AND SCALEABLE TO MEET OPERATIONAL NEEDS

Building on Viasat's current operational Global Xpress capabilities up to and beyond the 75th parallel North, the payloads are intended to improve network performance by providing Global Xpress users access to services at a very high latitude and with much higher elevation angles to enhance available forward and return throughput. This new Arctic capability will provide a seamless extension to Vuasat's Global Xpress network, trusted by mobility and government users today, further increasing network flexibility and efficiency through multi-beam, high-throughput capacity that can be fully dialled up and down, depending on customer demand in the region.









- Two satellites with planned continuous coverage above 65° North with a GX Ka-band payload on each, GX10A and GX10B
- The new GX payloads support the rapidly growing demand among both commercial and government users for seamless, reliable, high-speed broadband services in the Arctic and throughout the world
- High elevation/resilience to Great Circle routes
- HEO orbit, first commercial operator to utilise
- Backward compatible with current GX terminals
- Uniquely trusted in partnership with Norwegian and US governments
- Launch planned in 2024 with 15+ year lifespan





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Arctic Coverage July 2024