How remote? SkyWave field application engineers set out to test coverage well beyond the Arctic Circle, and achieved some impressive results.

Test: The Journey From Vorkuta To Khalmer-Yu
SkyWave field application engineers installed test satellite terminals on a vehicle traveling north from Vorkuta, a town just north of the Arctic Circle in the Komi Republic of Northern Russia (67°N 64°E). The remote journey travelled approximately 150km ending in the extreme northeast of the Komi Republic, near the former mining settlement of Khalmer-Yu (68°N 64°E).

IDP Network coverage was tested by sending periodic messages over the air using SkyWave’s IDP-690 and IDP-800 terminal with low-elevation antenna. SkyWave low-elevation angle antennas facilitate maritime applications and improved coverage in northern Russia.

Results: Uninterrupted Connectivity Well Above The Arctic Circle
The journey demonstrated that SkyWave terminals operating over the IsataData Pro network can provide uninterrupted and stable connectivity well above the Arctic Circle. The terminals received back raw, qualitative metrics that represent the strength and quality of the network service in Russia’s extreme north.

SkyWave will be testing coverage around other points in Northern Russia, including in the vicinity of the city of Norilsk.

IsatData Pro Network Service
All SkyWave satellite applications and services use the trusted Inmarsat constellation—a fully funded, launched and operational satellite network with a commercial life beyond 2023.

This, combined with SkyWave’s commitment to GLONASS, ensures that our solutions meet the unique demands of our Russian partners, namely:

- **Long Life:** Service offered on Inmarsat’s I4 constellation with expected life beyond 2023.
- **Reliability & Dependability:** Inmarsat is the most respected constellation and is mandated by governments for safety to save lives.
- **Stable Investment for Customers:** Terminals installed today will remain in service long after our competitors’ terminals.
- **Official Approval for use in Russia:** Commercial agreements available.
SkyWave Satellite & Satellite-Cellular Terminals With Integrated GLONASS/GPS

SkyWave terminals with integrated GLONASS/GPS are designed specifically for operating in challenging environments, allowing Russian fleet managers to take advantage of both satellite and cellular communications, while complying with government regulations.

SkyWave satellite terminals/modems offer cost-effective, ubiquitous coverage for sensor monitoring (i.e. fuel levels), two-way driver communication, panic buttons and more.

Designed to meet the unique needs of the Russian market, SkyWave solutions are engineered for:

- Tough environments and extreme regions
- Reliability and dependability
- Use as primary or backup communications
- Cost-effectiveness—you pay only for the data that is sent

SkyWave technology meets the increasing demand for richer information in remote applications without the added costs associated with continuous connectivity, regardless of vehicle location. SkyWave terminals integrated with GLONASS and IsatData Pro open a wide range of satellite monitoring and fleet management applications for commercial enterprises conducting business above the Arctic Circle.

For more information, please contact sales@skywave.com or visit www.skywave.com.

About SkyWave Mobile Communications

SkyWave Mobile Communications is a global provider of satellite and satellite-cellular devices and services for the Machine-to-Machine (M2M) market. SkyWave’s products provide dependable communication, tracking, monitoring and remote management of fixed and mobile assets. Since 1997, SkyWave has designed, manufactured and shipped more than 700,000 Inmarsat-based satellite terminals to customers globally in the transportation, maritime, oil and gas, utilities and government sectors. For more information, please visit www.skywave.com.

About Inmarsat

Inmarsat plc is the leading provider of global mobile satellite communications services. Since 1979, Inmarsat has been providing reliable voice and high-speed data communications to governments, enterprises and other organizations, with a range of services that can be used on land, at sea or in the air. Inmarsat employs around 1,500 staff in more than 40 locations around the world, with a presence in the major ports and centres of commerce on every continent. For the year ended 31st December 2012, Inmarsat had total revenue of US$1,278 million and an EBITDA of US$643 million. Inmarsat is listed on the London Stock Exchange (LSE:ISAT.L). For more information, please visit www.inmarsat.com.