



**GLOBAL INVACOM GROUP LIMITED**  
(Incorporated in the Republic of Singapore)  
(Company Registration No. 200202428H)

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## **Global Invacom Introduces Breakthrough Government Band Multi-orbit XRJ Transceiver**

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**Singapore, 3 September 2025** – Global Skyware, part of the Global Invacom Group, has launched its government band, multi-orbit XRJ transceiver.

Optimised for the demanding government and defence market, the XRJ transceiver ("**XRJ**") covers the full extended Ka-band frequency range in both receive and transmit. It boasts 25 Watts of power, (and also comes in 5w, 10w and 20w variants), the highest of any transceiver on the market and supports connectivity in Geostationary Earth Orbit ("**GEO**"), Medium Earth Orbit ("**MEO**") and Low Earth Orbit ("**LEO**"), enabling consistent communications for any application on land, sea or air.

Fully Mil-STD 164C compliant (World Geodetic System ("**WGS**"), GovSat, Skynet, and Inmarsat GX), the XRJ is also exempted from International Traffic in Arms Regulations ("**ITAR**") and covers full commercial and MilGov Ka-band with up to four sub bands and four different power levels available. It integrates a Block Up Converter ("**BUC**"), Low-Noise Block Down Converter ("**LNB**"), and Transmit Reject Filter ("**TRF**") and polarizer/orthomode transducer ("**OMT**") to handle both transmit and receive of satellite signals.

The XRJ is highly suitable for the rigorous defence environment with its ruggedised IP-67 sealed enclosure, land and marine regulatory compliance, and is ideal for high throughput optimisation. Supporting the latest L/S-Band modem intermediate frequency ("**IF**") technologies with 10 MHz reference compatibility, the XRJ is optimised for the high throughput of modern MilGov operations.

Fully Open BUC Modem Interface Protocol ("**OpenBMIP**") compliant, the XRJ also features remote configuration over a web-based Graphical User Interface ("**GUI**"). Optional electro-mechanical polarity switching and optional Co-Pol operation are also available.

Gordon Blaikie, Chief Executive Officer at Global Invacom Group commented: "The government band XRJ represents a significant development in satcom capabilities for this community of mission critical users. This will ensure consistent, reliable performance across government satcom networks and will ensure that they are fully equipped for future technological developments."

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## About Global Invacom Group Limited

Global Invacom Group comprises a number of companies specialising in innovative technology, products and solutions for the satellite ground equipment sector. Uniquely, the Group provides fully integrated manufacturing for most of its product lines providing additional quality and supply chain assurance to a global blue-chip customer base in the satellite communications, satellite TV and satellite navigation markets.

The Group has an established global presence with sales offices, research and development centres and manufacturing facilities across the world, including Singapore, China, Indonesia, the Philippines, Malaysia, Israel, the UK, and the USA.

Global Invacom Group Limited is listed on the Mainboard of the Singapore Exchange Securities Trading Limited.

For more information, please refer to [www.globalinvacom.com](http://www.globalinvacom.com)

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## Glossary of Terms

GEO	Geostationary Orbit, which is a circular orbit above the Earth's equator at a specific altitude (approximately 35,786 km).
MEO	Medium Earth Orbit refers to a specific region in space situated between LEO and GEO. MEO satellites occupy an altitude range typically between 2,000 to 20,000 kilometres (1,243 to 22,300 miles) above the Earth's surface. MEO satellites are commonly known for their significant role in global navigation systems, with the most prominent example being the Global Positioning System (GPS). These satellites form a constellation that provides precise positioning, navigation, and timing services to users worldwide. By deploying multiple satellites in MEO, the GPS system ensures that a sufficient number of satellites are visible from any given location on Earth, enabling accurate positioning and navigation capabilities.
LEO	Low Earth Orbit, to a region of space close to Earth's surface, typically ranging from 160 to 2,000 kilometers (about 100 to 1,200 miles). It's a popular location for satellites due to its accessibility and the lower energy requirements for reaching it compared to higher orbits. Satellites in LEO orbit at high speeds, completing orbits in roughly 90 minutes to 2 hours.

WGS	Wideband Global SATCOM Satellite is the backbone of the U.S. military's Wideband satellite communications capability. WGS provides worldwide, flexible, high-capacity communications for US Government Agencies, Department of Defense (DOD), multiple International Partners and the North Atlantic Treaty Organization (NATO).
GovSat	GovSat is a public-private joint venture between the Luxembourg government and global satellite operator, SES. Its mission is to provide secure, reliable and accessible satellite communication services for governments – addressing the demand for connectivity resulting from defence and civilian security applications.
Skynet	SKYNET is the MOD's satellite communications capability, and in particular a family of military communications satellites which provide strategic communication services to the UK Armed Forces and allies. The SKYNET 5 satellites are the most recent generation of UK military satellites. SKYNET 6, the next generation of satellites, is currently in development.
Inmarsat GX	Global Xpress (GX) is Inmarsat's mobile high-speed global Ka-band service, offering downlink speeds of up to 50 Mbps and up to 5 Mbps upload. It comprises a geo-global network of satellites that form part of a hybrid Ka-band/L-band satellite and ground network offering managed and lease services to Inmarsat's customers.
BUC	Block-Up Converters are devices used to convert low frequency signals to high frequency RF signals for transmission to a satellite.
LNB	A Low Noise Block Converter collects the radio waves from a satellite and converts them to a signal sent to a modem at the endpoint through a cable.
TRF	A transmit-reject filter isolates the receiving channel from the transmitting channel.
OMT	An orthomode transducer is a 3-port waveguide component that is used to separate horizontally and the vertically polarized signals from a circular polarized signal or, vice versa.
OpenBMIP	OpenBMIP is the administrative interface between the modem and block up converter (BUC) components of a satellite terminal. The most important function of this interface is to enable calibration of the terminal's transmitted power for regulatory compliance. This enables a terminal integrator to provide a seamless installation process, with respect to transmitter power calibration.
GUI	A graphical user interface allows users to interact with electronic devices through graphical icons and visual indicators.