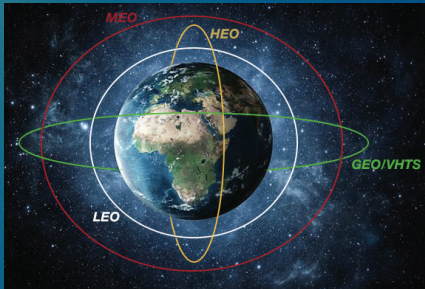# REVOLUTION
Tech Brief

Revolutionary changes are coming to MILSATCOM, starting now with iDirect Government's newest Defense Platform – REVOLUTION. This new platform is based on commercial innovations but designed for defense needs, as conflicts evolve to near-peer and peer adversaries in the cyber and space arena rather than insurgencies. The three key elements of the REVOLUTION platform – security, resiliency, mobility.

**REVOLUTION -
Secure, Resilient, Mobile and Designedfor Defense**

Flexible

Building on iDirect Government's existing security posture, REVOLUTION will introduce advanced capabilities to ensure always on communications even in the most contested environments.

• TRANSEC/FIPS 140-3 Level 3 (Hardware and Software)

• Zero Trust Architecture (ZTA)

• Anti-Jam/CSIR™ technology

• Information Assurance (SCAP and SHIELD)

• 256-bit encryption

• LPx (future)

Resiliency

REVOLUTION hardware is designed to support multiple orbits and waveforms including both SCPC and TDMA enabling true network interoperability. With the Software-Defined Radio (SDR) remotes designed in multiple form factors including rackmount, man portable and airborne variants, its versatility continues to meet any mission by land, air or sea.

Mobility

A core component of the REVOLUTION platform is mobility for both hubs and remotes. The modular, ESA-enabled platform will allow for multiple form factors to meet specific mission needs. Additionally, in the event a primary communication channel is blocked, deprecated, or eliminated, REVOLUTION will be able to seamlessly transition to other beams or constellations in different orbits.

Designed for Defense

The design principles incorporated into REVOLUTION leverage a modular architecture, industry standards and current technologies. The REVOLUTION tactical hub will enable the modern warfighter on the move with a small footprint/high density flexible enclave to support both transmit and receive line cards – in a mobile environment.

The REVOLUTION NMS will build on the Evolution tradition of an easy-to-understand interface while improving the flow of operations and reporting. Elements such as the Datapath and the REVOLUTION NMS will be cloud-native, allowing end-users to maximize SWaP and efficiency while maintaining the ability to operate air-gapped systems.

REVOLUTION begins with the introduction of the 4-Series SDR product line operating on Evolution Defense in 4Q 2023. With the introduction of these remotes on the existing Evolution Defense platform, users can be assured of a smooth and continuous operation of critical missions.

It's time to **MULTIPLY** your **SATCOM** capabilities: Join the **REVOLUTION.**