Secure Tactical Autonomy:
The Expeto & MNO Hybrid Advantage

Sovereign connectivity for defence mobility, uniting enclave control with national 5G/LTE infrastructure

EXECUTIVE SUMMARY

Defence Ministries require secure, high-bandwidth connectivity to avoid the strategic vulnerability of fragmented, bespoke network integrations. By partnering with Tier-1 Mobile Network Operators including AT&T in the USA and Rogers in Canada, Expeto delivers "SD-WAN over the cellular network," uniting sovereign enclave control with a massive national 5G/LTE footprint.

This hybrid architecture provides a resilient, secure, and scalable foundation for the future of defence mobility and connected assets.

CORE OPERATIONAL BENEFITS
Five Pillars of the Hybrid Advantage

Tactical Autonomy & Speed

Command elements gain the autonomous capability to manage mobile assets and subnets without relying on an MNO help desk or legacy infrastructure. Defence Ministries can reconfigure networks and secure assets in minutes to match the speed of modern adversaries.

Simplified Logistics & Reduced Attack Surface

A "Single SIM" solution provides continuous service across both wide-area public networks and secure, site-based private radios, eliminating the logistical burden and physical vulnerabilities of dual-SIM devices or SIM swapping.

Absolute Data Sovereignty

Mission data never exits the MNO's public internet gateway. The Defence Ministry maintains end-to-end control by anchoring data sessions in their own secure enclaves, ensuring the MNO never sees unencrypted payloads and fulfilling stringent defence privacy regulations.

Real-Time Diagnostics & Visibility

Defence IT and SIGINT teams gain granular, real-time visibility into individual device (IMSI) connection status, usage, and location, empowering independent troubleshooting and ensuring high availability of all field assets.

Uninterrupted Mission Continuity

The solution guarantees no network disruption when transitioning between connectivity environments, ensuring continuous operation of autonomous systems. Assets remain governed by consistent enterprise IT policies across the entire mission profile.

Strategic Comparison: Public Roaming vs. Expeto-Enabled Hybrid

The following matrix highlights the strategic shift from standard commercial offerings to a unified hybrid network purpose-built for defence requirements:

Feature	Standard Public Roaming	Expeto-Enabled MNO Hybrid
Device Visibility	Limited; managed by MNO	Granular, real-time visibility of every IMSI
Network Control	MNO-dependent configuration	Direct, self-service Defence Ministry command and control
Data Path & Security	Routed through MNO internet exit with standard encryption	Anchored in Customer VPC / Linux VM with hardened segmentation
SIM Management	Dual-SIM or manual SIM swapping required	Single SIM roams seamlessly across private and public networks
Provisioning Speed	Weeks to months via MNO ticketing systems	Minutes via self-service cloud-native portal
Data Sovereignty	MNO retains visibility into traffic metadata	End-to-end sovereign control; MNO sees no unencrypted payloads
Mission Continuity	Disruptions during network handoffs	Zero disruption across all connectivity transitions

CONCLUSION

Built for the Multi-Domain Era

The Expeto-enabled hybrid network provides the resilient, sovereign, and scalable connectivity foundation required for victory in the multi-domain era. By eliminating reliance on MNO management for tactical changes and securing the data path, the Defence Ministry can safely scale robotics, autonomous vehicle fleets, and advanced sensor fusion across the full mission profile.

Ready to Establish Tactical Connectivity Sovereignty?

Connect with Expeto to learn how our hybrid platform integrates with your national MNO partner to deliver secure, scalable defence mobility.

Learn more at

expeto.io

Contact your Expeto partner representative