

Rugged ICS-C2 solution expands special operations and joint command capabilities



This rugged secure communication solution fits many scenarios:

- Joint mission communications
- Secure communications
- Rapid deployment for service and maintenance
- Outpost secure centre communications
- Transportable via backpack or vehicle docking station
- International missions with "home network" capability

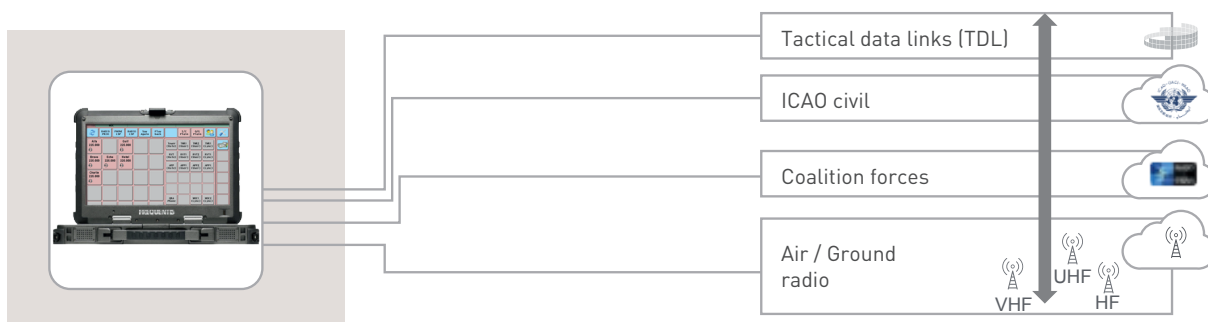
Secure communication is the key enabler for successful air and ground missions. This requires a fast and easy separation of security levels to differentiate commands and openly shared information. Deployed operations need to meet the set standards and procedures as well. The rugged ICS-C2 solution, compliant with military and industry standards, empowers operators with everything they need for successful joint missions.

The challenge

Joint commands require a huge effort to increase their communication capabilities, coverage and operational accuracy, across large and geographically diverse areas. Implementing a rugged, lightweight and compact command and control (C2) communications system allows for example Special Forces to benefit from the recently acquired capabilities of Joint Command to manage special operations among others. The system can be installed in a command and control vehicle providing all units with the same kind of technology and tools that joint commands have in their command centres.

Independent, deployable and rugged system supports planning and execution of operations in rural or urban environments

The rugged ICS-C2 is based on iSecCOM, a certified Voice-over-IP communication system which is in operational use in deployable and static command posts all over the world, and which offers voice communications on strategic, operational and tactical levels. It is designed for mission-critical environments offering a fully operational, end-to-end IP ground-air and ground-ground communications system using a single headset and rugged laptop. Adhering to military and industry standards, it gives operators everything they need for effective mission management across telephone, intercom, radio, recording, data and conference services, all via a single operator position with customisable HMI.



- Fully compliant with the latest interoperability VoIP standards
- Stand-alone secure communication system
- End-to-End VoIP architecture
- Rapid deployment
- Rapid onsite incident response
- Compact footprint
- Transportable
- Integrated radio remote control & legal recording
- ICAO compliance: Annex 10, 11 ATS / ED: 136, 137, 138 and ED153 / EC: EC482, EC552, CAP 670

Joint forces command (JFC) has acquired secure communications with several working positions. Frequentis iSecCOM can be installed in several OPS rooms where voice and data from deployed units is displayed to the relevant commanders in real time. This increases situational awareness and interoperability with advance command post, advance operational battalions (BOA), aircraft, recons or assaults units and other units involved in their tactical and critical mission. Special Forces as a dependent unit of JFC can use the rugged ICS-C2 secure communications solution for their missions, which harmonises technology while keeping training and maintenance cost low.

Joint missions may require the integration of multiple secure voice sources such as satellite phones, satcom radios, local and remote radios within the deployed mission-critical network used by army and joint command. The rugged ICS-C2 solution deployed in a vehicle as radio remote control allows the use of remote sites as a unique connection avoiding network congestion, enhancing bandwidth allocation and gathering the audio of remote radios simultaneously for joint missions in real time.

Due to the complex geography of some countries, there are some regions where radio coverage is very low or even zero. Rugged ICS-C2 increases the success rates for critical operations and enables recon units to deploy and deliver information in a very accurate way.

Frequentis' rugged ICS-C2 can operate as an extended JFC voice communication solution with the possibility of operating as an independent unit for urban antiterrorist operations.

It also enables voice and data transmission for special operations in harsh environments to ensure mission-critical secure communications wherever and whenever it is needed.

In extended operational areas, rugged ICS-C2 provides more tools for successful mission-critical operations and increases situational awareness.

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