



# Secure mission-critical communications

## Optimising information exchange

Proven security protects against attacks

Built-in redundancy for non-stop availability

Designed to meet present and future threats

Defence

**FREQUENTIS**  
FOR A SAFER WORLD

# Ensuring mission effectiveness

As each decade passes, air traffic density increases and by 2035 worldwide air movements are forecast to double. Civil Air Navigation Service Providers (ANSPs) and their military counterparts in air defence centres, must increasingly work together to meet the increased workflow to ensure safe routing for civil traffic and manage training areas, as well as en-route services for transiting military aircraft. A key enabler in ensuring that the military can train and operate in peacetime and war is secure, resilient and reliable communication.

## Protecting critical communications

### Assuring mission success

All information relayed over voice communication systems (VCS) must be secure or mission effectiveness may be put at risk.

### Your crypto - your choice

Military organisations want to keep control of their data. Rather than offering crypto, the right solutions respect customer choice, be it military or civil grade, and integrate it into the VCS.

### Getting the message through

The ability to securely exchange real-time information is key. Secure communications ensure that the right message always gets through to the right recipient.

### Emerging technologies

Systems need to be ready to benefit from new technologies, while ensuring continued integration with legacy infrastructure.

### Reducing budgets

The need to find efficiencies is never-ending and solutions ready for the challenges of tomorrow continue to deliver long term through-life savings.

### Be prepared for change

As military doctrine evolves, so do tactics and procedures. Solutions need to be flexible and responsive to customers' changing needs.

Military ANSPs and military air defence systems share the same challenges. Both are subject to a wide spectrum of regulations many of which may require rapid technological or procedural changes. Equally, operational efficiency remains a top priority and this relies upon the agility to capitalise on new innovations without abandoning existing investments.

Frequentis recognises the need to guard against the rapidly growing threat of cyber-attacks. Drawing on extensive experience of building secure, cyber protected solutions, the company meets these challenges head-on and continues to develop and deliver best-in-class cyber protection.

# iSecCOM: enabling secure voice communications

iSecCOM is an end-to-end IP air-ground and ground-ground communications system designed for mission-critical environments offering a fully operational RED/BLACK system on the same headset. It offers single and/or dual security domain (RED/BLACK) voice communications at the strategic, operational and tactical levels. iSecCOM meets or exceeds all common military and industry standards and provides operators with everything they need in order to conduct effective, risk-free mission management via a wide variety of landlines, intercom and radio - all supported by legally accredited recording, together with data and conference services. This is all achieved via a single operator position with easy-to-use, operator-designed, customisable HMI.

## iSecCOM offers

### Effective mission management

Provides an intuitive, comprehensive and secure toolset in one system putting everything operators need to enhance mission effectiveness. The only certified (CC EAL4+) fully operational RED/BLACK VCS allows users to communicate securely and openly from a single headset.

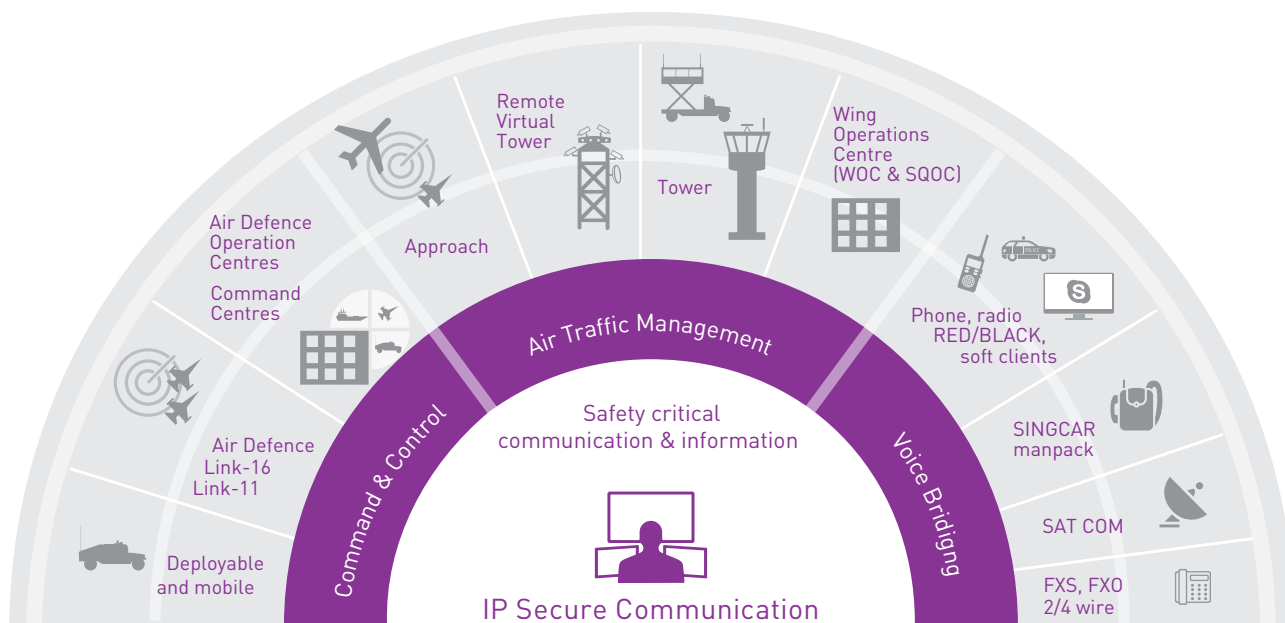
### Field-proven technology you can rely on

Designed for 100% availability, iSecCOM has no single point of failure and is designed with built-in redundancy to ensure the consistent levels of service required in a mission-critical environment.

### Through life value

Mitigates risk with an open-standards-compliant architecture IP solution that has a field-proven track record of interoperability, seamless scalability, exceptional data security and reliable support into the future. iSecCOM prevents vendor lock-in, integrating with all main radio devices.

## Network enabled capabilities



# Optimising mission outcomes in the field

Some of the characteristic uses cases of ISecCOM for military air traffic control and air defence systems include.

## Static airbase systems

- Tower
- Approach
- Wing/Squadron Operations Centre

## Remote and mobile airbase systems

- Remote virtual towers
- Deployable towers

## Static C2 centres

- Control & Reporting Centre
- Combined Air Operations Centre
- Joint Operations Headquarters

## Deployable and mobile command posts

- Deployable CRC
- Force headquarters
- Tactical command post

## Emergency communication systems

- Independent backup system for main voice communication system

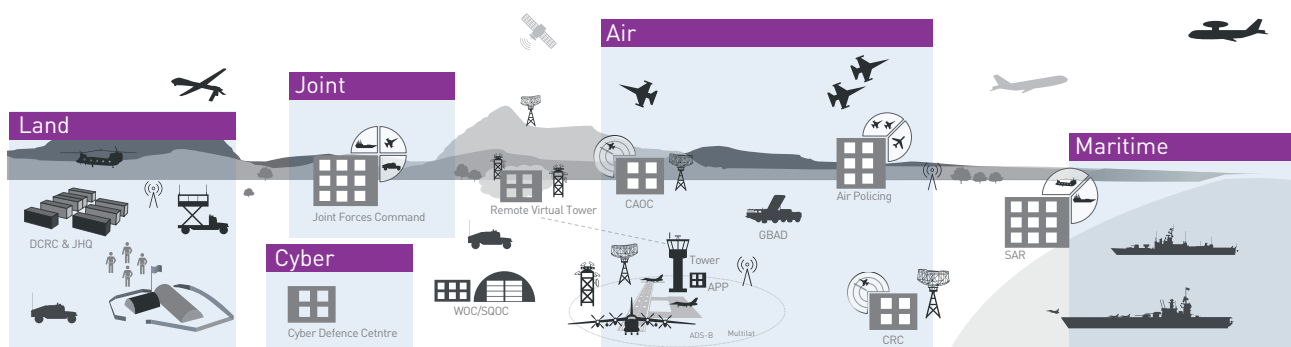


# Providing field-proven mission-critical solutions

More than 25,000 air traffic controllers in over 130 countries around the world currently rely on Frequentis voice communication solutions. By drawing on the experience of hundreds of successful design and implementation projects worldwide, and

by working with our customers in a partnership, the company guarantees a smooth migration from legacy systems to the best of breed with zero loss of operational capability.

## Cross-segment reach of Frequentis Defence solutions



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