L3HARRIS™
FAST. FORWARD.

VOICE ATM

Voice Over Internet Protocol Communications Enterprise (VOICE) Air Traffic Management (ATM)

L3Harris' VOICE ATM is a next-generation solution for air traffic control (ATC) that improves communication between air navigation service providers (ANSPs) and airline operators. Modernization of traditional communications systems significantly improves the overall safety, security and efficiency of global ATM operations

ARCHITECTURE AND DESIGN

The VOICE ATM system delivers trusted performance and proven reliability to ANSPs and aviation operators around the world. The system's unique IP-based communications infrastructure allows for the centralization of operations through the reallocation of geographically disbursed resources - ideal for the management of airfields and remote towers.

VOICE ATM's distributed architecture with dual-network design and peer-to-peer audio allows operators to take advantage of increased redundancy, reduced latency and no service interruption in the event of a network outage.

Additional operator positions, interfaces and other VOICE ATM systems can be easily added and connected to share assets and provide interoperability. Each VOICE ATM system can operate autonomously, accessing radios and other assets from any other VOICE ATM system via the network. The systems can be implemented with any operator, any radio, anywhere, which increases operational efficiency and improves business continuity.

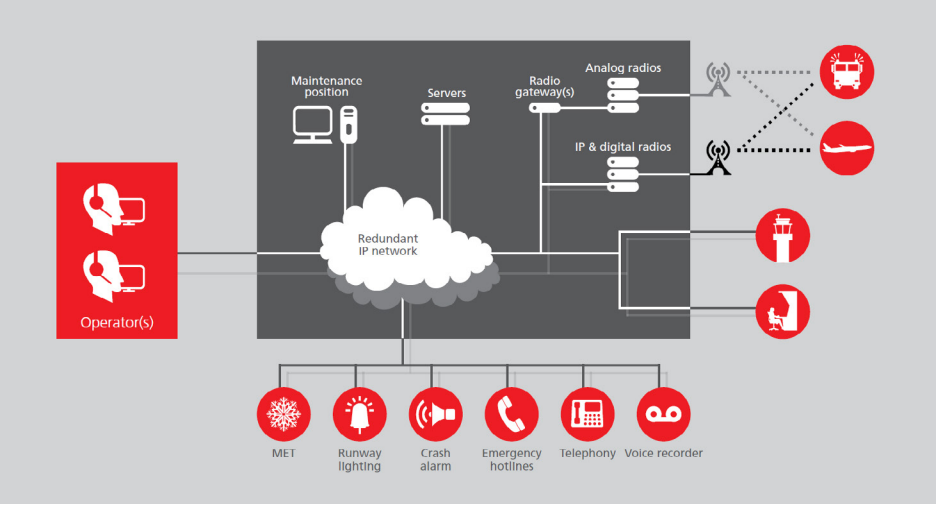
Integrated Communications for ATM

BENEFITS

- **End-to-end internet protocol (IP)-based architecture allows for extensive flexibility and scalability**
- **Seamless integration of all communication assets enables system versatility**
- **Absence of a central switch provides unlimited system capacity and scalability**
- **High availability of all critical functions ensured by redundant backup capability**
- **Meets international ATM safety standards, guaranteeing industry compliance**

SCALABLE, FLEXIBLE AND FUTURE-PROOF

L3Harris has an extensive history of developing voice communications solutions for the international civil aviation community. Offering a complete, end-to-end IP solution, VOICE ATM allows ANSPs to capitalize on their existing network infrastructure while providing the scalability and flexibility only found with a full IP-based voice communication system (VCS). VOICE ATM is compliant with the latest EUROCAE and other international ATM standards including ED136, ED137 and ED138. VOICE ATM protects customer investment and maximizes value by delivering a future-proof, open-standards solution that meets operator needs.



SPECIFICATIONS

PHYSICAL	
Dimensions (per blade)	1.75 in (h) x 19 in (w) x 17.72 in (d) (up to 3x blades per system static or deployable rack configuration)
POWER	
AC	100-240 VAC
DC	12 VDC
Power Supply	AC and/or DC Switch
CONNECTIVITY	
Ethernet LAN	12 x IEEE 802.3 10/100
Radios	12 x 4-wire ear and mouth (E&M) including serial for control and supports HF, VHF, UHF, P25, Tetra
Cellular gateway	2 x GSM audio channels
Telephony	50 x IP phones (requires additional IP switch) Optional gateway for legacy telephony
Redundancy	Dual LAN blade Additional IP switch may be required for large quantities of operator positions and IP phones
EQUIPMENT	
Cables	Cables for a wide range of radio types
External antennas	GSM

FEAUTURES

- Integrated radio communications includes ED-137, P25, Tetra, conventional analog UHF and VHF
- Aviation rescue and fire fighting operations interfaces with key systems including crash alarm and vehicle dispatch
- Facility control and monitoring includes airfield lighting, navigation aids, CCTV, etc.
- IP and legacy telephony:
  - Public address and general alarm (PAGA)
  - Session initiation protocol (SIP)
  - Telephony interface units optional for E1/T1 and FXO

Front of Unit

Back of Unit

VOICE ATM

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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