

SYMPHONY® COMMUNICATIONS AVIATION MANAGER

Optimizing Communications Through Integration

The global defense environment presents various communications management challenges. Communications equipment, circuits and networks are complex. Platforms support multiple simultaneous and dynamic missions with compressed timelines. Multi-position aircrews manually controlling communications circuits is ineffective, complex and not cost-efficient. The Symphony Communications Manager allows a single operator to manage complex communications from a mission perspective, improving the platform's performance at a lower cost.

ADVANCED FEATURES AND BENEFITS

Multiple high-level system views available from anywhere on the network

- > **Mission Dashboard** - a single-page view that displays the aircraft's active communication plans
- > **3-D Explorer** - allows an operator to manage assets across the platform via a 3-D visual representation to quickly identify important health and operational states
- > **Maintenance Dashboard** - a custom view that provides past, current and future health and status information for all devices managed by Symphony

Critical mission-support functionality

- > **Decision assistance and course of action recommendations** - increase mission responsiveness
- > **Automatic failure detection and correction** - reduces downtime
- > **Spectrum, frequency and emission control management** - enhances use of communications resources

- > **Extensive device-driver library** - enables the customer's choice of communications equipment at no increased cost or development risk
- > **Intelligent control of complex RF distribution equipment** - enables spectrum management

Secure platform-independent, modern and open architecture software

- > **Software environment** - facilitates easy addition of features and capabilities, as customers require them
- > **Web-based RESTful API** - enables extension of Symphony to interface with other platform systems, such as C2, navigation and sensor systems
- > **Responsive GUI** - accommodates devices from phones to large screen monitors

Computer Based Training package for efficient growth of crew skills - available with each delivery



Successfully deployed across multiple platforms and countries for over a decade, Symphony is proven to enhance mission performance.

The image displays four screenshots of the L3Harris Symphony software interface, illustrating its graphical user interface and mission management capabilities.

Top Screenshot: Generic Airframe Overview

- Dashboard: OK: 46, Failed: 0, Unmanaged: 26
- Re-Center Camera button
- Generic Airframe configuration menu (right sidebar):
 - Generic Airframe
 - Flight Station
 - Tac Mission Area
 - MA 1
 - MA 2
 - MA 3
 - HF Long Wire
 - HF Transceiver
 - UHF SATCOM
 - NT1 CH 1
 - NT1 CH 2
 - NT2 CH 1
 - NT2 CH 2
 - RF Patch Panel
 - MA 4

Bottom-Left Screenshot: View Circuit

- UHF Low Secure or Plain Voice Circuit
- UHF Aviation
- Active Circuit Status
- Frequency Alias
- UHF Low Secure or Plain Voice

Bottom-Right Screenshot: Mission Dashboard

- Standard Mission Operations Plan (CSP)
- Active Standalone Circuits
- Active EMCON Plans
- EMCON C - Active
- Device Availability Alert
- EMCON Status Alert

Graphically driven interface provides multiple views tailored to the operator's function.

Symphony® Communications Aviation Manager

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This document consists of L3Harris general capabilities information that does not contain controlled technical data.

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