

Wingman™

Enhanced Mission Management System



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Wingman is a secured, cloud-based battlespace network that leverages data connectivity to provide the ultimate situational awareness and the most effective operational tools.

By connecting and integrating all mission platforms and data sources to form an immense network, Wingman provides aircrew with a precise, real-time view of the aircraft's operational surroundings. Using conformal symbology the enriched tactical information is intuitively displayed, presenting all entities, obstacles, threats, borders, sensors and more. Decision Support System (DSS) applications also enhance the operational arena, providing aircrew with navigation aids, precise route calculations and terrain-avoidance warnings. These advanced tools are shared across the secured cloud to all network members, reducing cockpit workload and simplifying mission operations, while decreasing combat time, increasing safety and supporting mission objectives.

Combat proven, with hundreds of thousands of documented flight hours across the globe, Wingman provides next-generation capabilities and strategic superiority.

A Platform Agnostic Mission Management System (MMS)

Integrating all data, sensors and weapons into a single screen, enabling each crew member to manage every aspect of the mission efficiently and intuitively, utilizing advanced algorithms and DSS tools, reducing work load and increasing situational awareness. Operational location options include:

01 | Panel Embedded Wingman Display



02 | Knee pad Wingman Tablet



03 | Additional Wingman Display



Wingman Applications

Mission Planning

Allows pilots to easily plan routes, waypoints, targets and attack positions, manually or automatically, and rehearse them before the actual flight.

Common Operational Picture (COP)

Connects all platforms and sensors, and integrates the various data sources, to provide a comprehensive, real-time common operational picture.

Paperless Cockpit

Provides simple access to a complete Electronic Flight Bag (EFB), Tactics, Techniques and Procedures (TTP).

Virtual Training

Provides live training capabilities against virtual threats, allowing pilots to train on their EW suite under combat conditions.

Software Flight Management System

Displays licensed FMS data on the Wingman MMS display, in order to avoid operating multiple management systems.

Collision Avoidance

Enhances mission safety by Providing accurate collision warnings, allowing aircrew to conduct a mission based solely on the aerial picture.

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Features

- Advanced digital maps with layered symbology
Mission, entities, threats, aerial and ground forces, borders, obstacles
- Integration with different systems across all platforms
FLIR sensor, HMD, EOP
- Advanced mission calculations
BINGO, LOS, performance, time & ETA, fuel and more
- Automatic visual and sound notifications and alerts
Restricted flight zones, obstacles, fuel, threats, new message and more

Advantages

- Situational awareness
- Single-screen operational data display
- Paperless cockpit
- Minimal intervention with aircraft architecture
- Prevention of pilot errors
- Reducing pilot workload
- Agnostic platform
- Modular solution
- Different radio interface capability



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