Cavok

Cavok® is a next-generation, real-time, high-performance Tactical Situational Display (TacSit). Cavok was designed from the ground up to integrate all-domain and all-source intelligence into a collaborative Common Operating Picture (COP). With an active Certificate to Field (CTF), Cavok is operationally proven through multiple millions of hours in RPA Ground Control Stations (GCS) and Tactical Operations Centers (TOC). Cavok supports modern mission execution with operationally relevant tools, connectivity, and collaboration.

## Enterprise-Wide Integration and Collaboration

Cavok provides a seamless interface to other software systems such as AFWEBS, UVDS, MAAS, Spire AIS, ADS-B receivers, and Link-16. Cavok's open architecture allows third-party systems to pull from and contribute data to the Cavok system. Cavok's plugin architecture allows government, contractors, and individual warfighters on the tactical edge to rapidly add new capabilities to their TacSit in response to changing mission requirements.

Cavok records most data in real time and allows for instant replay for immediate debriefing and collaboration.

Synchronization of Channels and Data

Cavok runs on a local network and will soon have an online cloud-based option. For programs with different units running Cavok, each on their own local network, the data can be synchronized across any data connection using the Cavok Enterprise plugin. The new network is called the Cavok Enterprise Network or "Cavok Enterprise".

Any Cavok user can create customized channels and share data, including mission plans, aircraft location, sensor data, targets, ACOs, and threats. Cavok Enterprise users have full control over which and to whom their channels are shared. Shared channels dramatically improve unit efficiency and user effectiveness.
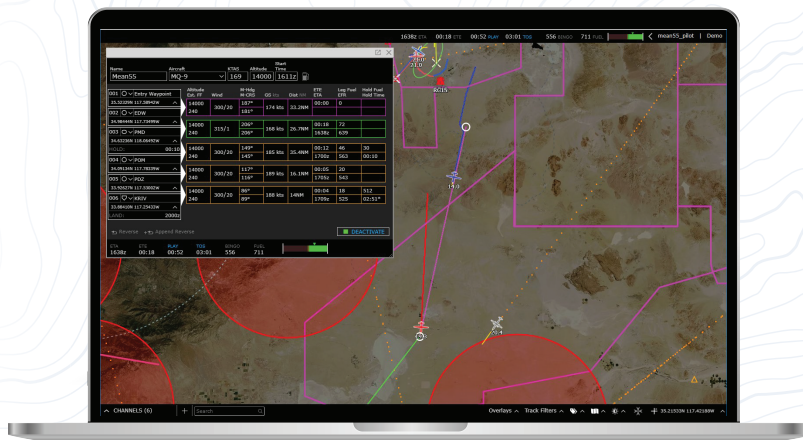
Visit cavok.net to see videos of Cavok in action.

⟨/⟩ Sharing of Aircraft Telemetry Metadata

Cavok shares aircraft telemetry metadata from the GCS across the Cavok Enterprise Network with the following standards:

- **Near real-time** - less than 100ms average latency in most cases

- **High frequency** - at least 10 updates per second

- **High accuracy** - limited only by the accuracy of the sensors on the aircraft

The sharing of aircraft data can be controlled by adding the cockpit to a channel with configured permissions.

Seamless Data Redundancy

All data that is published to Cavok Enterprise is duplicated and distributed to each connected site/instance, creating redundancy and reducing mission risk. The Cavok Enterprise plugin automatically repopulates data across the connected sites upon reconnection if it is lost due to system failure on the local network.

Platform for the Future

Cavok supports the vision of Joint Multi-Domain Ops (MDO). Cavok's open and robust API allows joint forces to easily develop custom plugins and to quickly add new and unique capabilities. Cavok provides a powerful, flexible platform to support the continuously evolving Joint MDO Doctrine.

Key Features

- Mission-relevant performance at 30 FPS
- Operational local independence with optional enterprise collaboration via mesh network
- Open architecture and external third-party plug-in integration available
- Mission data clearly organized into access-controlled channels
- Powerful universal search
- Live MQ-9 mission and fuel planning
- Intuitive interface with minimal user training required
- Lightweight and easily deployable on existing hardware

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