



# **NextGen RPA Tactical Execution Platform**

For the last 20 years many RPA aircrew have used repurposed Common Operational Picture (CoP) type displays for mission execution. But today's real-time collaborative multi-ship RPA operations require a Tactical Situational display (TacSit) that runs at full motion speeds (30 FPS) for precise targeting.

Cavok is a high performance TacSit that was purpose-built to compliment your RPA Ground Control Station's Operational Flight Program. But Cavok doesn't just run inside your GCS, Cavok provides a collaboration framework for mission participants across your entire enterprise.



# A different approach to data

Unlike CoP displays that flood your map with excess information, the Cavok TacSit is uncluttered and ready for your data. Instead of filtering out all of the non essential "CoP clutter", Cavok users join channels containing only essential mission data.

All Cavok users can create their own data channels setting Read and Write access controls, as desired. Within a channel users share Mission Plans, Target Overlays, Reference Points, Airspace Information and other live mission data.

#### **Full Motion Data**

Collaborative targeting requires display updates to be many times per second. It doesn't matter if your RPA target location updates many times per second if your display won't update for 2 seconds or more. The Cavok TacSit updates at 30 FPS ensuring current and future support of all your time-sensitive activities, e.g. Timed Targeting and Moving Target Engagements.

Visit cavok.net to see videos of Cavok FMD in action.

# **Key Features**

- True TacSit—Full Motion Data
- Scales from local operations to the enterprise
- 30 FPS update rate
- Mission data clearly organized into access controlled channels
- Powerful search, rapid discovery
- Purpose-built for RPA integrated operations
- Powerful mission and fuel planning utilizing aircraft telemetry
- Intuitive Minimal training
- Compatible with other existing TacSits enabling a smooth operational transition
- Open architecture enables thirdparty systems to interact directly with Cavok
- Lightweight and easily deployable



## **Cavok Channels Keep It Clear**

CAVOK is an ICAO term that means clear skies and unrestricted visibility, and Cavok Channels help your team organize mission information in a clear and simple format.

Once logged into Cavok, each user has a Sandbox channel where they can develop overlays, mission plans, etc. before publishing them to a Channel for collaboration.

Cavok's Channels allow mission specialists to curate mission data for team consumption, eliminating the need for every teammate to repeat the same function, such as load an Airspace Control Order (ACO) or interpret the weather.

### Intuitive User Interface - Reduced Training Bill

Cavok was purpose-built for the RPA community leveraging Focused Support's significant operational experience with an emphasis on simplicity and ease-of-use.

### **Mission and Fuel Planning**

Cavok powerful mission and fuel planner integrates live aircraft telemetry to provide real-time updates throughout the mission. Relevant data such as time on station remaining and Playtime is provided to all mission participants.

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34.98444N 117.73499W	^	14000		206°			00:18	72	
003 O 🗸 PMD		240	315/1	206°	168 kts	26.7NM	1638z	639	
34.63236N 118.06492W	^								
HOLD:	00:10	14000	300/20	149°	185 kts	35.4NM	00:12	46	30
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#### **Other Capabilities**

Cavok supports many data formats, imagery sources, and other capabilities including the following:

- Charts (GNC, TPC, Sectional, IFR, etc.)
- Imagery (CIB, MrSID, etc.)
- Grids (CGRS, GARS, MGRS)
- DAFIF & USMTF
- Geographic Overlays & KML
- RPA ESD and KLV Telemetry



Don't bother moving around the map or digging through folders looking for a track, target or killbox. Cavok's powerful search capability jumps you straight from your dashboard to that thing you seek most.



# Track Filters

Easily filter tracks using relevant filters without the need for complex Boolean logic. Set Air Track filters by Min and Max altitude or by altitude relative to your aircraft, ensuring a safe filter that changes altitude with you.



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