

PESA SECURA® USE CASE

NAVY CIC (Combat Information Center)



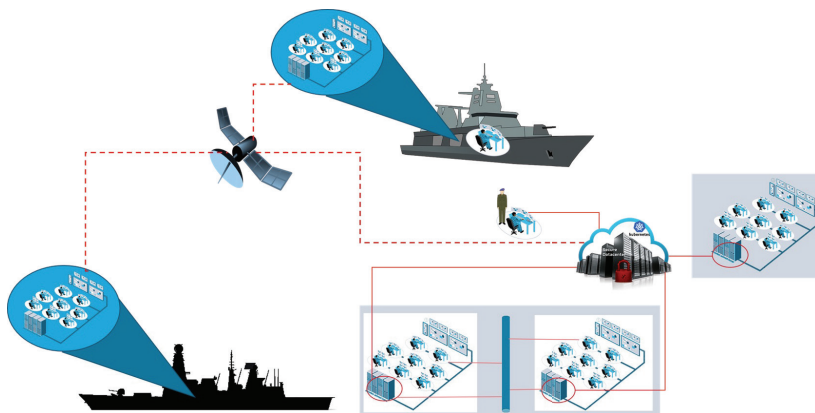
MISSION VIDEO SYSTEM (MVS) for NAVY Delivering Secured Capability

Mission Video Systems (MVS) control video and audio feeds from multiple sources to multiple outputs in Combat Information Centers (CIC) and in Integrated Weapons System (IWS) rooms for situational awareness and decision-making. The problem is legacy MVS technologies are siloed and cannot securely connect to CICs in separate ships, CICs in separate geographical locations, allied ships and naval bases.

Today's Navy CIC needs MVS with the capability to securely connect multiple CICs on one ship, CICs in multiple ships, and to multiple C2's in naval bases. This need is evident in the Navy's Project Overmatch initiative.

Current MVS cannot meet requirements These systems lack the needed **Security, Scalability, and Networked Connectivity** capabilities.

- **SECURITY:** SECURA® provides multiple independent levels of security (MILS), AES 256-bit end-to-end encryption and complies with the tenets of Zero Trust (as per Executive Order 14028).
- **SCALABILITY:** SECURA® supports up thousands of video flows or nodes. The proliferation of video sources from satellites, drones, cameras, AI applications require a hyper-scalable platform.
- **NETWORK CONNECTIVITY:** SECURA® is a software-based architecture running on COTS hardware. It supports both mezzanine (available now) and motion codecs (available soon - contact PESA) that use minimum bandwidth and perform in degraded environments.



CONTACT US TODAY

We will help you design the MVS solution that meets your current and future needs.

CERTIFICATIONS OF THE SECURA® INTEGRATED SOLUTION



SECURA® CAPABILITIES

- ❑ AV over IP Mission Video Systems (MVS) And Keyboard-Mouse-CAC (HID) In One System, On Copper Or Fiber I/O via LAN, WAN Or Internet Cloud
- ❑ Support of up to 4Kp60 4:4:4 High Quality Video on COTS hardware
- ❑ Low Latency End-To-End Distribution from SECURA® Transmitter to SECURA® Receiver
- ❑ Multiple Independent Levels of Security (MILS) on One Network, Scalable Up To 25 Or More Levels
- ❑ NIST FIPS 140-3.
- ❑ CNSA (Suite B) Compliant
- ❑ AES 256-bit Encryption for All Data Flows
- ❑ SECURA® Integrated Solution uses COTS IP Switches
- ❑ Multi-Factor Authentication (MFA) and Mutual Authentication, with Advanced Key Certificate and Token Management For All End-Points and Connections (TLS 1.2)
- ❑ Architected For Zero Trust Environments
- ❑ Hyper-Scalable IP Platform supports up to Thousands of Nodes and Video Flows
- ❑ Supports On-Premise now, Hybrid Cloud, Cloud, and Edge Of The Cloud (coming soon) using Microservices SW technology



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