COMMON OPERATING PICTURE (COP)
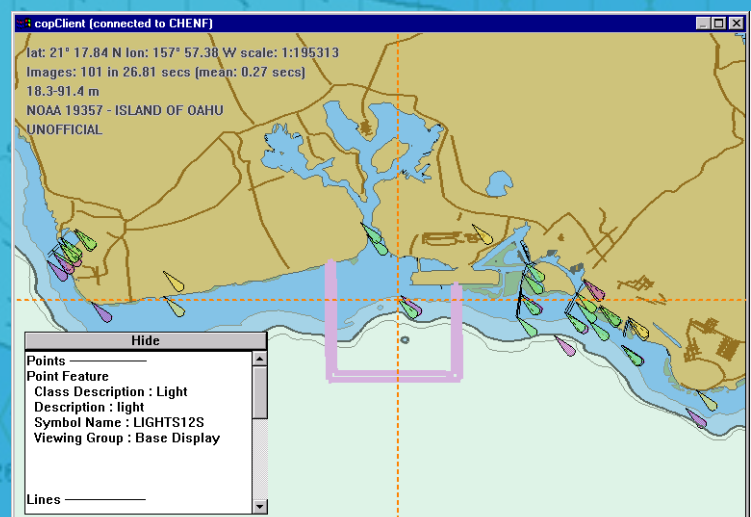
powered by ecpins

What is COP-IDS?

COP-IDS (Common Operational Picture – Image Display Server) is a powerful server-based application developed by OSI Maritime Systems that delivers seamless, geo-referenced images from maps, charts, and imagery to multiple client applications. It enables real-time visualization and sharing of spatial data across operational systems, providing an integrated and comprehensive view of geographic and tactical environments.

Key Features

- **Multi-Source Data Integration:**
  Combines vector and raster maps, satellite imagery, nautical charts, and military overlays into a single, unified display.

- **Real-Time Image Delivery:**
  Efficiently serves high-fidelity images to client applications over TCP/IP, even under low bandwidth.

- **Customizable Client Support:**
  Compatible with custom applications via an open API and includes a Sample Client for quick testing and demonstration.

- **Scalable & Distributed Architecture:**
  Supports multiple users and systems simultaneously, with each client operating independently.

- **Cross-System Compatibility:**
  Can be embedded in legacy systems or form the backbone of new situational awareness tools.
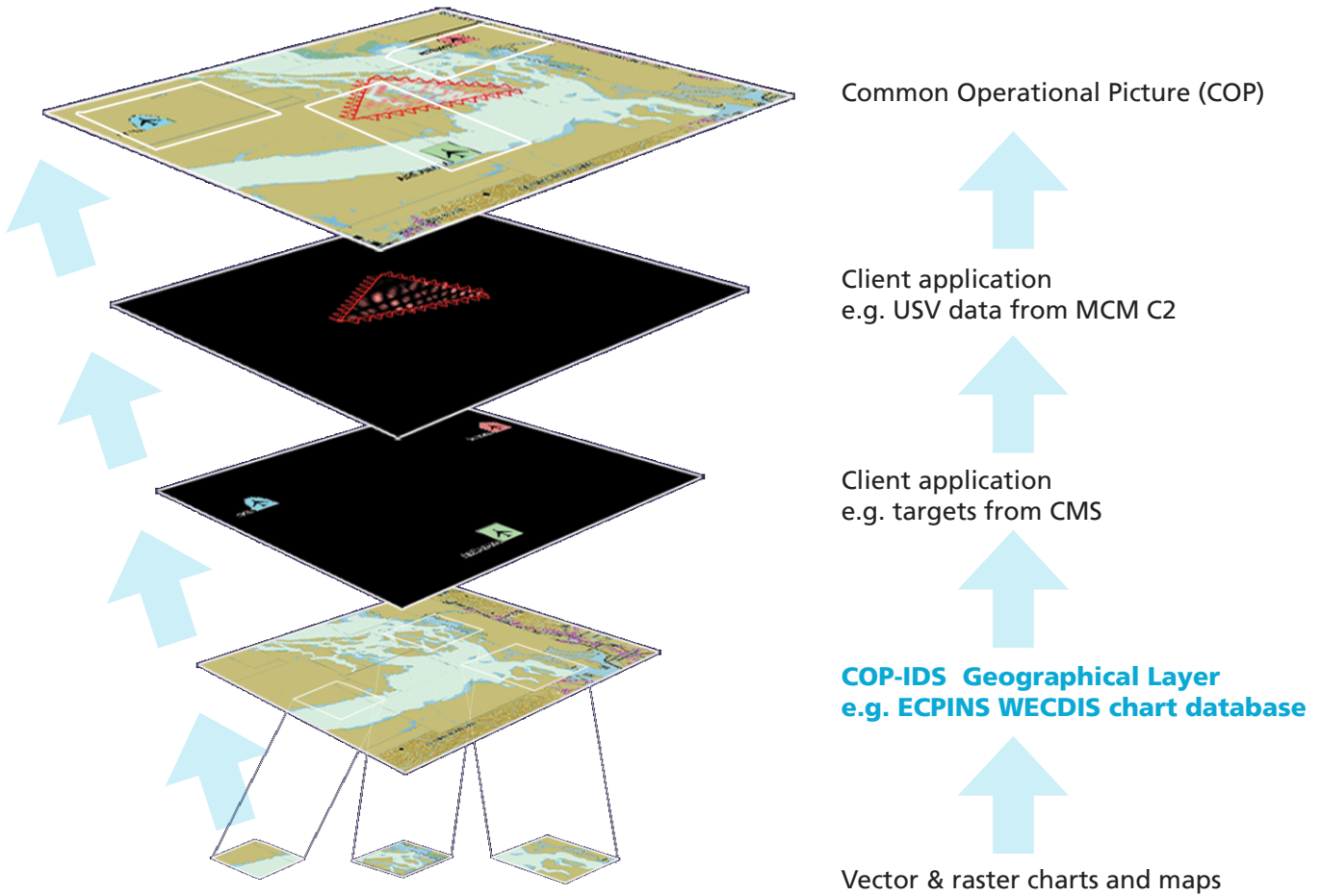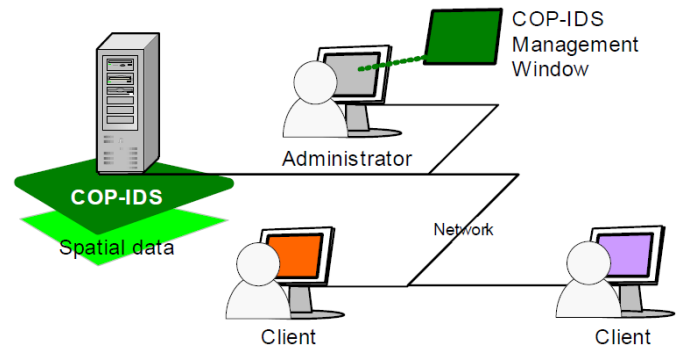
Why Choose COP-IDS?

- Rapid integration with third-party systems
- Supports legacy and modern OS environments
- Enhances decision-making through geospatial clarity
- Promotes interoperability across coalition and government systems

Use Cases

- Naval and maritime operations
- Air and ground command centers
- Intelligence and surveillance systems
- Government and security agencies

Common Operational Picture (COP)

Client application
e.g. USV data from MCM C2

Client application
e.g. targets from CMS

COP-IDS Geographical Layer
e.g. ECPINS WECDIS chart database

Vector & raster charts and maps