

Mission Management System & Constructive Simulator



WideEye Mission Management System is a web based situational awareness tool providing electro-optic camera control, imagery capture, track monitoring, data management, and dissemination via suitable communications bearers.

WideEye Scenario is a constructive simulator that provides a flexible solution for operator and command team training.

HISTORY

Marops developed WideEye Mission Management System to match the C-130J capabilities and concepts of operation. Specifically, MX-20 Camera control, video recording, image capture, and video encoder configuration to enable data transmission and replay both in flight and for mission debrief.

KEY FEATURE

Together WideEye Mission Management System and WideEye Scenario deliver a complete operational and training capability for the RNZAF C-130J Aircraft.

Developed in New Zealand

Portable laptop solution

Intuitive user interface



WIDE EYE SCENARIO

WideEye Scenario provides data streams that emulate on-board sensors, enabling the Mission Management System to be operated in a training mode.

Deliver realistic tactical training scenarios at the right pace. Have control over the environment, tracks and sensors for complete operator level training.

The sensor emulator suite is customisable and currently includes, radar, acoustics, AIS, ADS-B, electro optics, radar and communications detection systems, and direction finding. Training scenarios are developed by creating tracks and contacts and assigning sensor emulation characteristics to them. The scenarios can be modified and saved to suit training requirements.



In the ground based training mode the ownship platform operates within X-Plane flight simulation software and is controlled via WideEye. Training mode can also be provided in an airborne mode, where the ownship platform is driven by live aircraft data, including position, course and speed, pitch, roll, heading, and flight plan data. This live data is combined with the constructive simulator to deliver a mixed reality training environment.

Emulated Sensors

- Radar
- AIS
- ADSB
- Acoustic
- GPS
- Electro Optical
- Magnetic Anomaly Detection
- Communications & Radar Spectrum Direction Finding.

