

# Mission Rehearsal System (MRS)

## Description

The MRS provides a framework that supports multiple, independent simulations of on-board systems. These modeled systems can be any kind of device from a single switch to an entire aircraft.

Each device simulation is engineered to the specifications of your project and is created as an MRS compliant, 3D, simulation device. Once developed, the device or devices specified can work with other simulated equipment and an external environment (such as EWA's EWSS). Each group of devices can, of course, be re-used and may be saved in multiple configurations.

## A Flexible Simulation System

The MRS framework enforces the following capabilities:

- Each simulation is an independent, re-usable module
- Simulations are 3D
- System configuration is drag & drop
- User actions are recordable and replay-able
- Instructor monitoring/student evaluation available



Configuring devices in MRS while scenario is running



Sophisticated Configuration of the EA-6B

## Simulated Systems



Combat Systems Officer (CSO) Prototype Configuration



ALQ-99 - ECMO 3



Recent library of simulated device including: HARM Control Panel, DDI, Computer Load Panel, ALQ-122 Control Panel(s), Generic PPI, Generic Search Radar(not visible), Receiver Control Panel, ALQ-122 PPI, Artificial Horizon, Climb Indicator, Altitude Indicator, Ground Speed Indicator, Mach Indicator, Generic Aircraft Control, Horizontal Situational Indicator, Aft Indicator Panel, Clock, Radio Frequency Indicator, Master Control Panel, ALR-69, BDHI, BDHI Indicator, Generic Audio Control, Video Scope, Expendables Launcher, DDIC, ALQ-172, Generic MFD, Pod Power Panel, Generic Receiver, Generic Missile Launcher