





OMIA Emulates MH-60S/MH-60R Helicopters

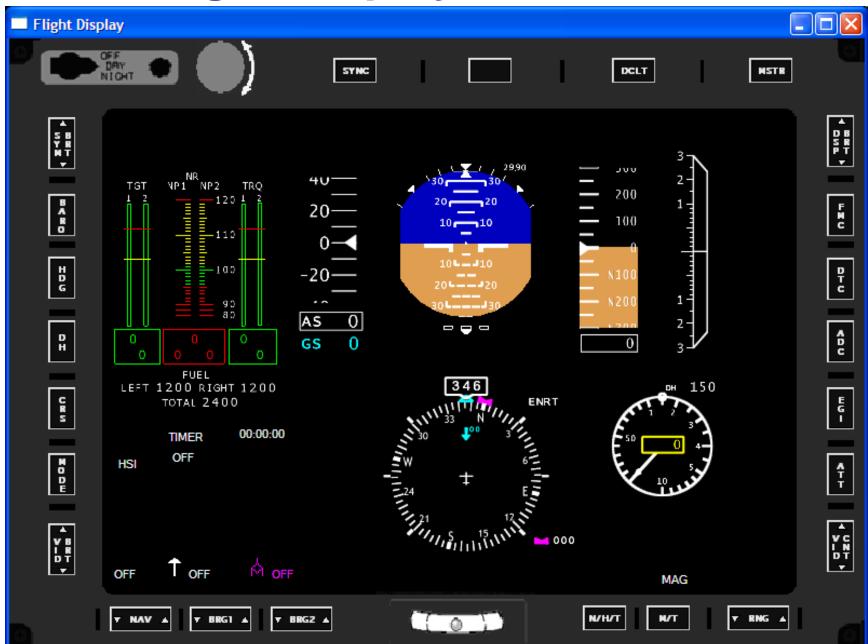




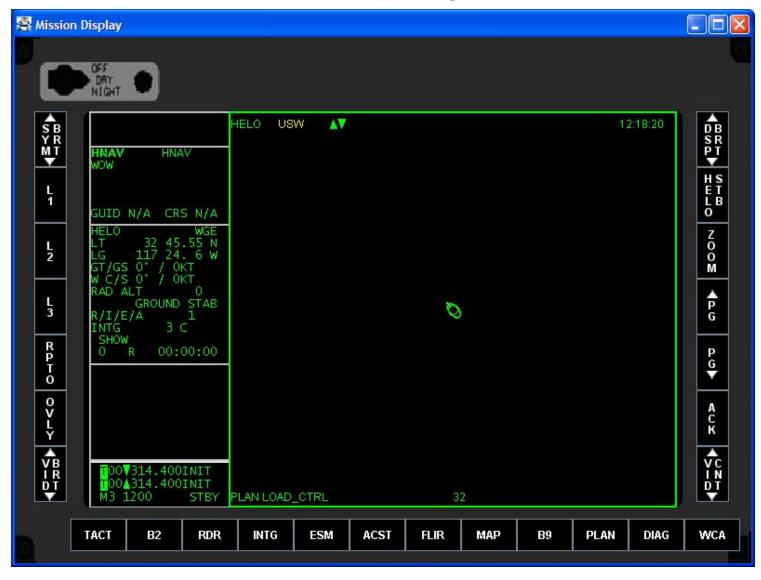




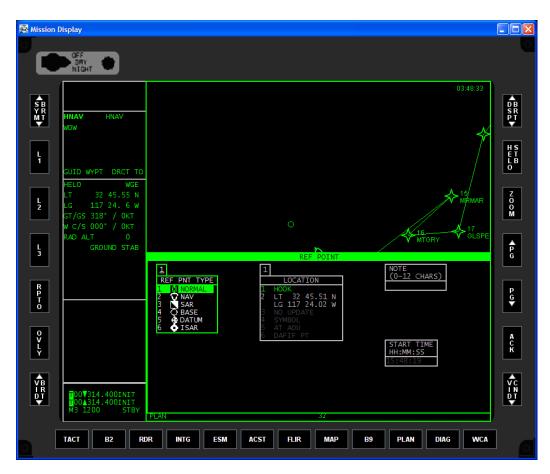
OMIA Flight Display



OMIA Mission Display



Mission Display with Menu Displayed







Flight & Mission Displays with Center Console







Emulating subset of aircraft systems & avionics







OMIA Emulates MH-60S/MH-60R Panels (E.g., CMP & RCU)





Exterior View of Sensor Operator Station: MH-60R





Sensor Operator Station: MH-60R







- A set of fixed function keys (FFK),
- A set of context-dependent programmable keys (PK),
- A small joystick known as the "hook".

Emulate Sensor Operator Station



OMIA Overall Long-term Goals

- Reduce overall training costs
 - Reduce need for Simulator & Helicopter time
 - My goal: decrease training costs by 2 orders of magnitude
- Increase overall effectiveness
 Anytime / anywhere training
- Priorities driven by where can Navy get the most return on investment

Where OMIA fits

- Classroom
- CBT
- OMIA / Part-task trainers
- Simulators
- Helicopter

OMIA User Versions

- Sierra Pilot
- Sierra Armed Helo Pilot
- Romeo Pilot
- Romeo Sensor Operator
- Supports multiple seats & multiple helicopters
 - Viewing 1 world

Portable Implementation

- NMCI
- Microsoft Windows
 - -XP
 - NMCI XP
 - Windows7
- Linux
 - Fedora
- WebStart / Internet / Cloud based
- Macintosh

Java Benefits

- NMCI Compatibility
 - OMIA is written in Java that allows us to make it NMCI compatibile
- Portable application no installation, you have files you can run.
- Can run as a WEB application just click and go.
- Portable across operating systems
 - Windows, Linux & Mac



OMIA Software: One set of code

- Only one set of code to maintain for latest System Configuration
 - I.e., Previous SysConfigs that are still available are frozen after Navy verification
- On start-up OMIA checks for available hardware (e.g., FLIR HCU) and utilizes if available
- On start-up OMIA checks for MS Flight Simulator and utilizes if available
- Checks for acoustics engine and united Solutions

Integrations

- MAST Hardware
- MS Flight Simulator
 - Standalone or with MAST
- USB hardware
- Touch screens
- DiSTI GLStudio (part of core OMIA)
- Cornerturn Acoustics



OMIA & MS Flight Simulator







FLIR





FLIR Hand Control Unit (HCU)





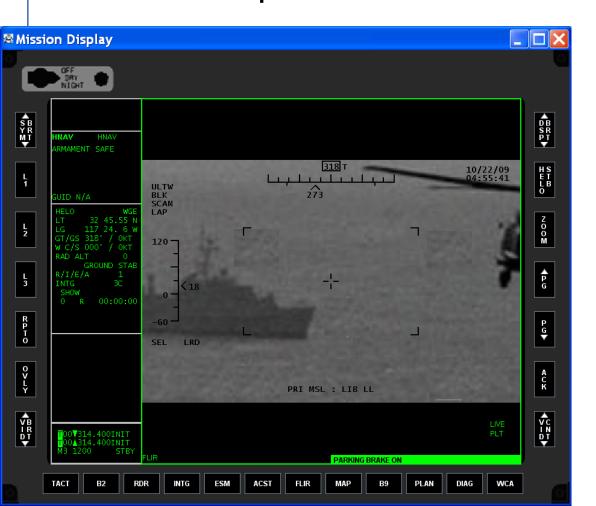
FLIR HCU Software Emulation

 Always available, so hardware HCU is not mandatory



FLIR & USB HCU

Desktop HCU connects via USB





FLIR Image





Simulated FLIR Image





Summary

- OMIA Provides
 - Training for the MH-60S/MH-60R Helicopters
 - Different Tiers available on different platforms
- Training Benefits of Java-Based Part Task Trainers
 - NMCI compatible
 - Portable Application
 - WEB application
 - Easier to convert to other OSs, e.g., Linux
- More information on OMIA is available at www.StottlerHenke.com/OMIA

