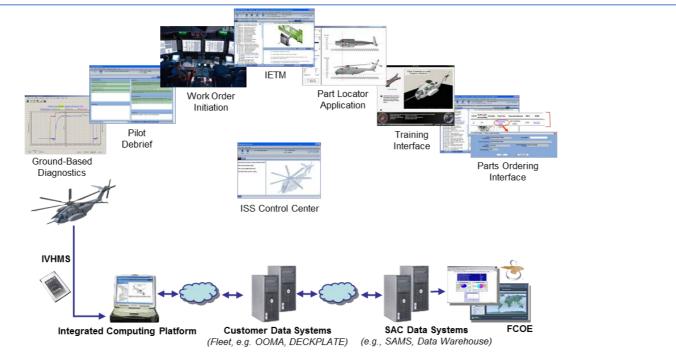# INFORMATION SYSTEMS AND INNOVATION (IS&I) CENTER OF EXCELLENCE (COE) - GLOBAL SUSTAINMENT ROTARY AND MISSION SYSTEMS - RMS

DELIVERING STREAMLINED SUSTAINMENT SOLUTIONS

LOCKHEED MARTIN

INTEGRATED SUPPORT SYSTEM (ISS)

The ISS is a suite of software components to help aircrew, maintenance control, and maintainers gather, analyze, and route operational and maintenance data. It also facilitates ground-based diagnostics. Includes the Interactive Electronic Technical Manual (IETM), Maintenance Debrief Module (MDM), Part Locator Application (PLA), Parts Ordering Interface (POI), interface to the customer's maintenance management system, interface to computer-based training, interface to SGBA and MDI applications to process data from Integrated Vehicle Health and Usage Management System (IVHMS).

Work Order Initiation

IETM

Part Locator Application

Pilot Debrief

Ground-Based Diagnostics

Training Interface

Parts Ordering Interface

ISS Control Center

IVHMS

Integrated Computing Platform

Customer Data Systems
(Fleet, e.g. OOMA, DECKPLATE)

SAC Data Systems
(e.g., SAMS, Data Warehouse)

FCOE

FEATURES:
- MIL-STD 3048 IETM
- S1000D IETM
- Aircrew/pilot debrief using the MDM
- Integrates with customer-specified computing platforms
- Facilitates collection of maintenance data and part ordering at fleet site
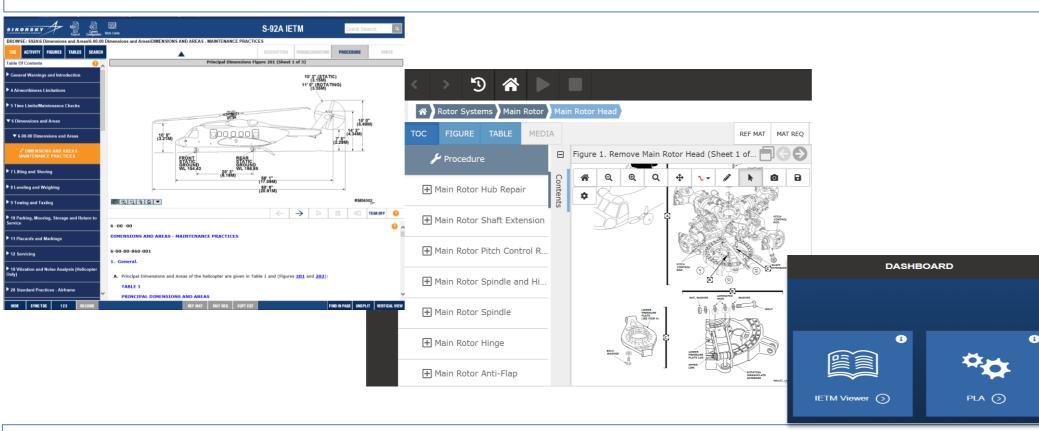- Data Replication between e-Tools in a Hub and Spoke

BENEFITS:
- Integrates securely with existing customer systems/equipment
- Facilitates ground-based troubleshooting
- Reduces burden on maintainer
- Common hardware/software footprint
- Complies with customer operating procedures

CUSTOMERS AND UTILIZATION:
- United States Marine Corp
- United States Airforce
- European S-70i aircraft operators
- Field Service Representatives
- Maintainers
- Can be deployed to land based squadrons, ship-based installations, and forward deployed operating bases

The graphics shown here are representative of the ISS application in different programs.

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INTERACTIVE ELECTRONIC TECHNICAL MANUAL (IETM)

A web based electronic "library" of aircraft support documentation and illustrations. The application provides rapid access to principles of operation manuals, testing and troubleshooting procedures, maintenance procedures, illustrated parts breakdown manuals, and various supporting documentation.

FEATURES:
- Hyperlinked, hierarchical TOC (table of contents)
- Linked access to all incorporated source data and content
- Intelligent schematics and IPDs
- Deficiency reporting utility
- Execute Mode & Audit Logging for Maintenance Sessions

BENEFITS:
- Provides rapid access to content
- Supports display of numerous graphic formats and multimedia
- Modern GUI that is easy to use, and touch-friendly

CUSTOMERS AND UTILIZATION:
- United States Navy
- United States Marine Corp
- United States Airforce
- Lockheed Martin Mission Systems & Training Publications Group
- International Military customers

The graphics shown here are representative of IETMs in different programs

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ISS SYSTEM REQUIREMENTS

The requirements listed below apply to the HH60W Integrated Support System software application, Version 4.0.

Hardware requirements (spoke e-tool)

- CPU @ 1.90GHz
- Integrated Graphics Processing Unit (GPU)
- LCD sunlight-readable LED display with touchscreen capabilities
- 8GB DDR3 RAM
- Solid State 128GB HDD
- 10/100/1000 base-T Ethernet
- Dual Band Wireless Adapter (802.11ac)
- I/O Interfaces: DC in x 1, USB x 1
- AC Adapter

Software Requirements
- Windows 10 Operating System
- SQL Server 2014 or newer (express edition is acceptable)

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