

NDIA
Automatic Test Committee
Navy/Marine Corps (Air)
Liaison Reports

March 26, 2019

Rick Freeman

Rick.Freeman@lmco.com

407 306-6690

Agenda

- PMA-260 Organization
- CASS Initiatives
- RTCASS Overview
- eCASS Status
- Questions

PMA260D Current Organization

- Capt. Thomas Dall – Program Manager, Naval Aviation Support Equipment Program Office (NAVAIR PMA260)
- Mark Lysaght – Principal Deputy PM (NAVAIR PMA260A)
- Derwin “DEX” Hansard – Deputy Program Manager for ATS, overall responsibility for acquisition, sustainment, and policy (NAVAIR PMA260D)
- Sean Demme – Assistant DPM to PMA260D (NAVAIR PMA260DA)
- Team Leads:
 - Sean Demme, for CASS/RTCASS/eCASS, eCASS TPS Migration and CCTARS
 - Jeff Allen, for PEMA and TPS Offload
 - Jeff Llewellyn, Mission Equipment (Electro Optic and ancillaries)
 - Tony Conard, for Jacksonville Site Lead
 - Jim Deffler, for Lakehurst Site Lead
 - Elliott Lytle, for Cherry Point Site Lead and CASS FoT FST Lead
 - Tim Davis, for CASS FoT S/W Support Activity (SSA) Lead

Final Mainframe CASS Changes

- CASS Electro-Optical Improvements:
 - Replaced the obsolete multi wavelength LASER and other components for reliability improvement – USN and FMS fielding is complete
 - Extended the life of the existing camera – complete
 - **Camera replacement ECP in process**
- Replacement of Internal Magneto-Optical (MO) Drive, Internal Hard Drive, and Enhanced External Hard Drive (EEHD) Ancillary Set with DVD media and solid state hard drives – USN and **FMS** fielding is complete
- High Speed Subsystem Ancillary Kit (HSSub-AK) Program of Record (PoR):
 - Support for emerging high speed buses and real time testing requirements
 - V-22, F-18E/F, E/A-18G, E-2D, H-53K, H-60, P-8, and F-35 all have TPS applications in process or expected
- CASS/RTCASS PBL Acquisition – Seven year contract awarded in May 2016
- CASS sundown began in Sept. 2017 and will be out of Navy/Marine Corps I-level inventory by end of 2025

RTCASS Overview

- RTCASS and High Power Stations
 - 165 systems fielded
 - CASS TPSs support 740+ UUTs on RTCASS/RTCASS-HP
 - **Win 7 computer upgrade complete**
 - **Win 10 computer upgrade in process – cyber security requirement**
 - Converting tech manuals to IETM format – **available June 2019**
- RTCASS PBL Support
 - Combined with CASS PBL contract
- RTCASS Depot
 - Converted 10 RTCASS stations into RTCASS-D configurations located at Jacksonville, Crane, NORIS, and Cherry Point.
 - Upgraded analog and digital capabilities
 - Commercial cabinet and power system
 - Initial Operation Capability achieved 2 Apr '15



RTCASS



RTCASS High Power



RTCASS Depot

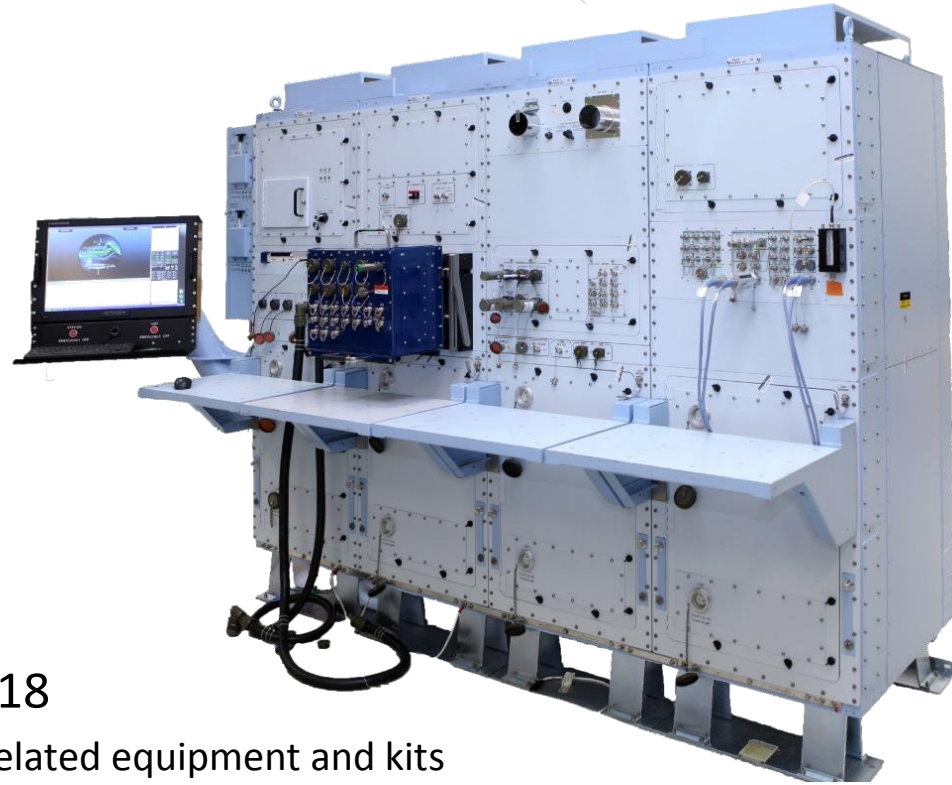
Still Making New CASS/RTCASS OTPSs

CASS

- HTS Offload to CASS (AV-8 and F-18E/F/G systems)
- H-53 AFCS Offload to CASS
- ALQ-99 LBT SRAs Direct to RT-Depot
- F-18E/F DTS Direct to CASS
- EA-18G ALQ 218 Direct to CASS
- P-8 ALQ 240 and SMS Direct to CASS
- H-60 MMR Radar, AAS-44C (FLIR), and ALFS ST/R Direct to CASS
- V-22 IAP, DTU and VSLED Direct to CASS
- H-/UH-1Y Mission Computer and HIAOC Direct to CASS
- T-45 EGI Direct to CASS
- MQ-4C Triton Depot – MFAS, SIGINT and AMP Direct to CASS FoT
- E-2D HF Radio
- E-2D Depot AFCM, RPCS, RIU, RIA Direct to CASS
- APR-39 Direct to CASS
- CH-53K ADC, IBU, ECU, AC/DC PDU Direct to CASS

eCASS Status

- LRIP I, II & III Production complete
 - 67 limited rate production units completed
 - Upgrades and fielding ongoing
- Full Rate Production 1 awarded Feb 2017
 - 70 production stations ordered, including 5 FMS stations (FY18/19 deliveries)
 - ~25 stations completed
 - Interim Contractor Support 2 included in award, base plus 3 option years
- Full Rate Production 2 awarded Aug 2018
 - 67 production stations ordered along with related equipment and kits
 - 200+ eCASS stations anticipated for USN, USMC, and FMS through 2023
 - eCASS being fielded at 2 FMS countries – others planned



eCASS Status (Cont.)

- The CASS TPS “Migration” to eCASS Underway
 - About 523 CASS TPSs will be migrated to eCASS in 3 Blocks
 - Block 1 Complete, Block 2 will complete this year, and Block 3 will complete in 2020
- eCASS began replacing CASS in the field Sept. 2017
 - First eCASS Fleet site – NAS Oceana, Virginia Beach, VA – Sept 2017
 - All CASS will be out of I-level inventory by end of 2025
- eCASS Forth Generation Electro-Optic (EO4) Program
 - Competitive acquisition to replace Third Generation EO (EO3) consoles with a modernized version – **integrated with eCASS, not CASS**
 - Industry Day held 14 September, 2017
 - RFI / Draft Performance Specification posted 15 November, 2017 (N68335-17-R-0204)
 - **Government responses to Industry questions posted 11 December, 2018**
 - **Intention to release full and open RFP (N68335-19-R-0063) posted on 22 March, 2019**
 - **SOW provided, questions requested by 5 April, 2019**
 - **“The solicitation will be posted on the web, on or about June 2019”**

eCASS Status (Cont.)

- F-35B (USMC) and F-35C (USN) now requires I-level support using eCASS
 - 58 Line Replaceable Component (LRC) candidates identified
 - Focused on **high priority 22** LRCs initially
 - Test requirements and eCASS test capability gap analysis is **complete**
 - **Defining the eCASS ECPs**
 - Targeting some capability by 2021 first aircraft carrier deployment
 - LM-STAR depot TPSs will be upgraded for eCASS I-level use
 - **TPSs for 4 LRCs under contract**
- The E-2D Program is developing the first “direct to eCASS” TPS applications
- **E-2D TPSs will use CASS ATLAS while the F-35 will use TestStand**

QUESTIONS