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

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Agenda

- PMA-260 Organization
- CASS Initiatives
- RTCASS Overview
- eCASS Status
- Questions
PMA260D Current Organization

• Capt. Thomas Dall – Program Manager, Common Naval Aviation Support Equipment Program Office, NAVAIR PMA260
  – Change of Command in June 2017
  – Capt. Dall assumed duties as PM, Capt. Brian Jacobs retired

• Derwin “DEX” Hansard – Deputy Program Manager, overall responsibility for ATS acquisition and policy

• CDR Ramiro “Flo” Flores, ADPM, PMA260DX is the Deputy to PMA260D and performs the roles of CASS Officer and XO

• Team Leads:
  – Sean Demme, for eCASS, eCASS TPS Migration and CCTARS
  – LCDR Medford for High Speed Subsystem Ancillary Kit (HSS-AK)
  – CDR Flores (acting), for CASS, RTCASS and RTCASS-D
  – Jeff Allen, for PEMA and TPS Offload
  – Jeff Llewllyn, Electro Optic Test Systems
  – Tony Conard, for Jacksonville Site Lead
  – Jim Deffler, for Lakehurst Site Lead
  – Elliott Lytle, for Cherry Point Site Lead and CASS FoT FST Lead
Mainframe CASS Initiatives

- **CASS Electro-Optical Improvements:**
  - Replacing the obsolete multi wavelength LASER and other components for reliability improvement – USN and FMS fielding nearly complete
  - Extending the life of the existing camera and planning a camera replacement

- **Next Generation CASS EO**
  - Initiative to replace Third Generation EO (EO3) consoles with modernized version, commonly referred to as Forth Generation EO (EO4)
  - U.S. Navy Briefing on 14 September, 2017, after AUTOTESTCON

- 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 underway
  - Will replace about 150 MO TPS media at a typical CASS site with a single DVD TPS media
• High Speed Subsystem Ancillary Kit (HSSub-AK) Program of Record (PoR):
  – Support for emerging high speed buses and real time testing requirements
  – Ancillary Equipment – external on CASS/RTCASS; may be internal with eCASS
  – V-22, F-18E/F, E/A-18G, E-2D, H-53K, H-60, and P-8 all have TPS applications in process or expected

• CASS/RTCASS PBL Acquisition – Seven year contract awarded in May 2016

• CASS will begin to be replaced by eCASS in the field later this month
  – First eCASS Fleet site – NAS Oceana, Virginia Beach, VA – September 2017
RTCASS Overview

• RTCASS and High Power Stations
  – 165 systems fielded
  – CASS TPSs support 740+ UUTS on RTCASS/RTCASS-HP
  – Computer upgrade installations are in progress by the USN

• RTCASS PBL Support
  – CASS/RTCASS PBL on contract May 2016
  – 5 years with 2 option years

• 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
Still Making New CASS/RTCASS OTPSs

- ATS Lot 1 Offload to CASS Reliability Improvement Program
- ALR 67v2 SRAs Offload to CASS
- H-53 AFCS Offload to CASS
- 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 ABIU, NIU, WIU, RMU, DDMS, APU, ECU, IAP, VSLED Direct to CASS
- H-/UH-1Y Mission Computer and HIAOC Direct to CASS
- T-45 EGI Direct to CASS
- MQ-4C Triton – In planning (may be Direct to eCASS)
- ALQ 67v3 – possible 2018 start (likely Direct to eCASS)

F-18 International Partners Contributing
- ATS Depot OTPS Offload
- F-18 USSR and RMM
- AYK 14 Computer Offload to CASS
- F-18 Radar Altimeter (planned)
eCASS RF Configuration
eCASS Status

• LRIP I, II & III Production Underway
  – 67 limited rate production units on order
  – All 18 LRIP I & 18 LRIP II stations sold-off, 35 delivered
  – 29 LRIP III stations sold-off, last 2 stations underway

• Full Rate Production 1 awarded Feb 2017
  – 70 production stations ordered, including 5 FMS stations
  – Station deliveries planned for FY18 and FY19
  – Interim Contractor Support 2 included in award, base plus 3 option years

• Full Rate Production 2 Acquisition Underway
  – RFI released February 16, 2017, Draft RFP posted June 15
  – Industry Day held July 17
  – RFP posted August 18
  – Proposal Due September 26
  – Scope 211 eCASS stations for USN & USMC through 2022
The CASS TPS “Migration” to eCASS Underway
- About 550 CASS TPSs will be migrated to eCASS
- 30 TPSs migrated during SDD program phase

On target for 2017 EO/HP fielding to fleet

Not originally planned, but F-35B (USMC) and F-35C (USN) will likely need I-level support using eCASS
- 54 Line Replaceable Component (LRC) candidates identified
- OPNAV desires some capability by 2020 first aircraft carrier deployment
- LM-STAR depot level TPSs would be migrated to eCASS
- eCASS capability and TPS Performance analysis project being considered
- Demonstration LM-STAR to eCASS TPS migration for the Vehicle Management Computer (VMC) successfully completed in October 2015

The E-2D Program is developing the first “direct to eCASS” TPS applications
QUESTIONS