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 Brian Jacobs – Program Manager, Naval Aviation Support Equipment Program Office, NAVAIR PMA260
• 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
  – CAPT Danny Day for High Speed Subsystem Ancillary Kit (HSS-AK)
  – Sam Winters, for CASS, RTCASS and RTCASS-D
  – Jeff Allen, for PEMA and TPS Offload
  – Jeff Llewellyn, Electro Optic Test Systems
  – Tony Conard, for Jacksonville Site Lead
  – Nancy McQuillan, for Lakehurst Site Lead
  – Elliott Lytle, for Cherry Point Site Lead
Mainframe CASS Initiatives

• CASS EO Improvements:
  – Replacing the obsolete multi wavelength LASER and other components for reliability improvement – fielding underway
  – Extending the life and planning a camera replacement
  – Planning a future EO Module replacement program (2020+)

• Replacement of Internal Magneto-Optical Drive, Internal Hard Drive, and Enhanced External Hard Drive (EEHD) Ancillary Set with DVD media and solid state hard drives underway
Mainframe CASS Initiatives (Con’t)

• High Speed Subsystem Ancillary Kit (HSSub-AK) Program of Record (PoR):
  – Support for emerging high speed buses (>50 MHz) and real time testing requirements
  – Ancillary Equipment – external on CASS/RTCASS/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 will begin to be replaced by eCASS in 2017
• RTCASS and High Power Stations
  – 165 systems have been fielded
  – CASS TPSs support 740+ UUTS on RTCASS/RTCASS-HP
  – Computer upgrade in work

• RTCASS CLS Contract
  – Expired April 2016
  – Replaced by CASS/RTCASS PBL May 2016

• RTCASS Depot
  – Upgraded analog and digital capabilities
  – Commercial cabinet and power system
  – First station delivered to NORIS in Dec ‘14
  – Initial Operation Capability 2 Apr ‘15
  – Converted 10 RTCASS stations into RTCASS D configuration
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)
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
  – 10 LRIP III stations sold-off, 11 stations underway

• Full Rate Production Planning Underway
  – First two lots planned for Q4CY16 / Q1CY17
  – Last five lots planned for Q2FY18
  – Plan to produce at least 274 more eCASS for USN & USMC through 2022

• DT-C1 Completed October 2015
• DT-C2 Completed August 2016
• FCA/PCA Completed August 2016
• Navy awarded eCASS Interim Contractor Support – base + 1 year option
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