

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

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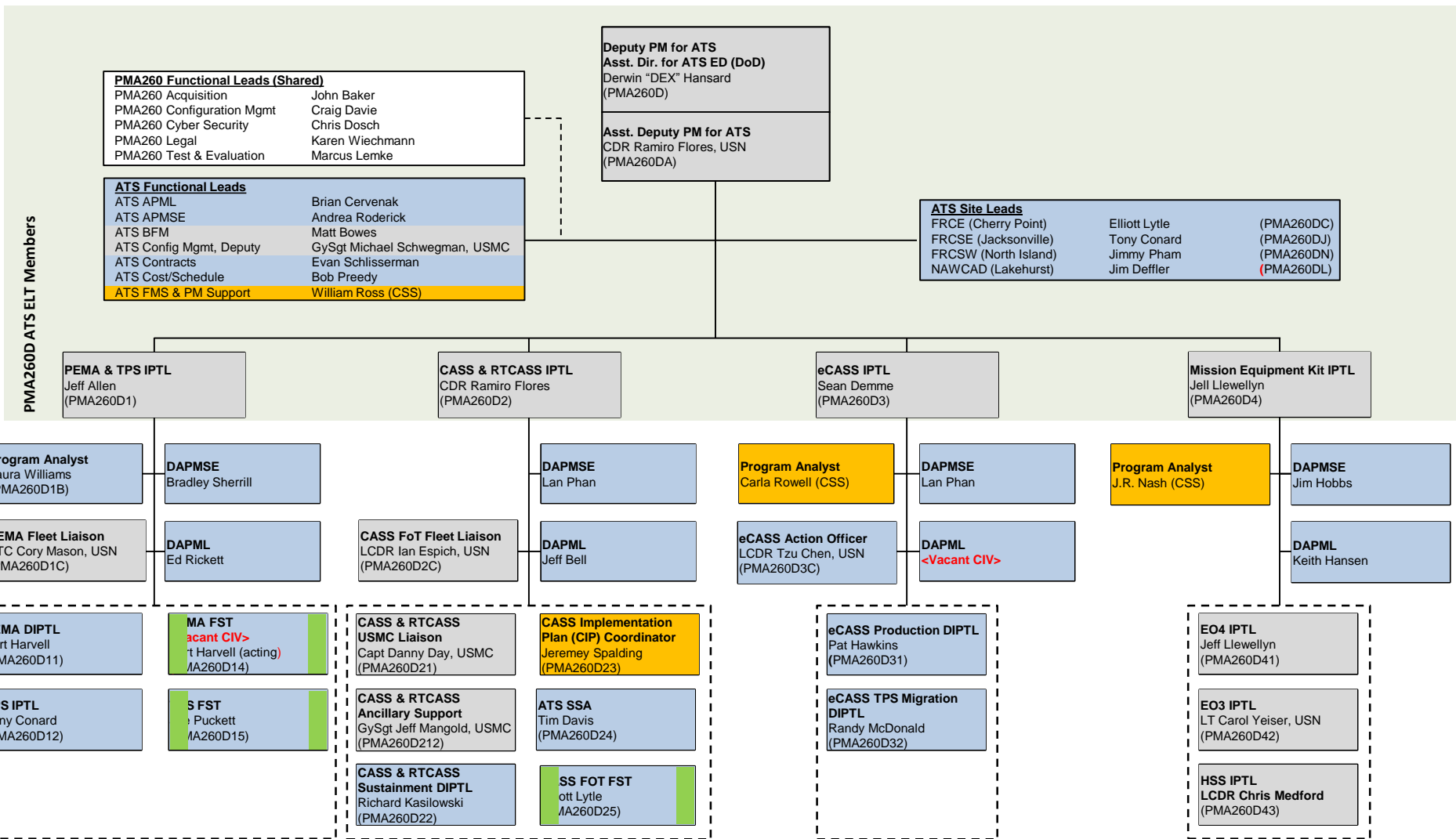
Agenda

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

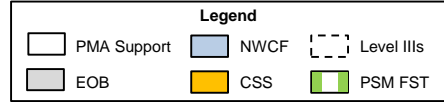
PMA260D Current Organization

- 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 Llewlynn, 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**

Automatic Test Systems (ATS) Organization Chart



- Notes:
- 1) D2 – CDR Flores will be IPTL while Sam Winters is on 6 month rotation, Mar-Aug-2017.
 - 2) D2C – LCDR Espich (departure Apr-2017), no MIL replacement date (see note 4).
 - 3) D21 – Capt Day (departure end-Feb-2017) handing off HSS program to LCDR Medford. Capt Day replacement will be CASS & RTCASS USMC Liaison (late-4Q FY17).
 - 4) D3C – LCDR Chen continues as eCASS Action Officer (departure Apr-2017), LCDR Chen replacement will fill D2C billet (May-2017) (see note 2).
 - 5) PEMA FST – Hiring Board re-review prior to opening position after hiring freeze.
 - 6) eCASS DAPML – Ready to extend offer after hiring freeze.
 - 7) ATS Product Innovation is now a series of Technical Teams associated with ATS APMSE.



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

Mainframe CASS Initiatives (Con't)

- 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



RTCASS



RTCASS High Power



RTCASS Depot

Still Making New CASS/RTCASS OTPSs

CASS

- 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**

eCASS Status (Cont.)

- 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