

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
- Derwin “DEX” Hansard – Deputy Program Manager, overall responsibility for ATS acquisition and policy
- **CDR Rob Burgess**, 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 **Burgess** (acting), 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
 - Jim Deffler, for Lakehurst Site Lead
 - Elliott Lytle, for Cherry Point Site Lead and CASS FoT FST Lead

Automatic Test Systems (ATS) Organization Chart

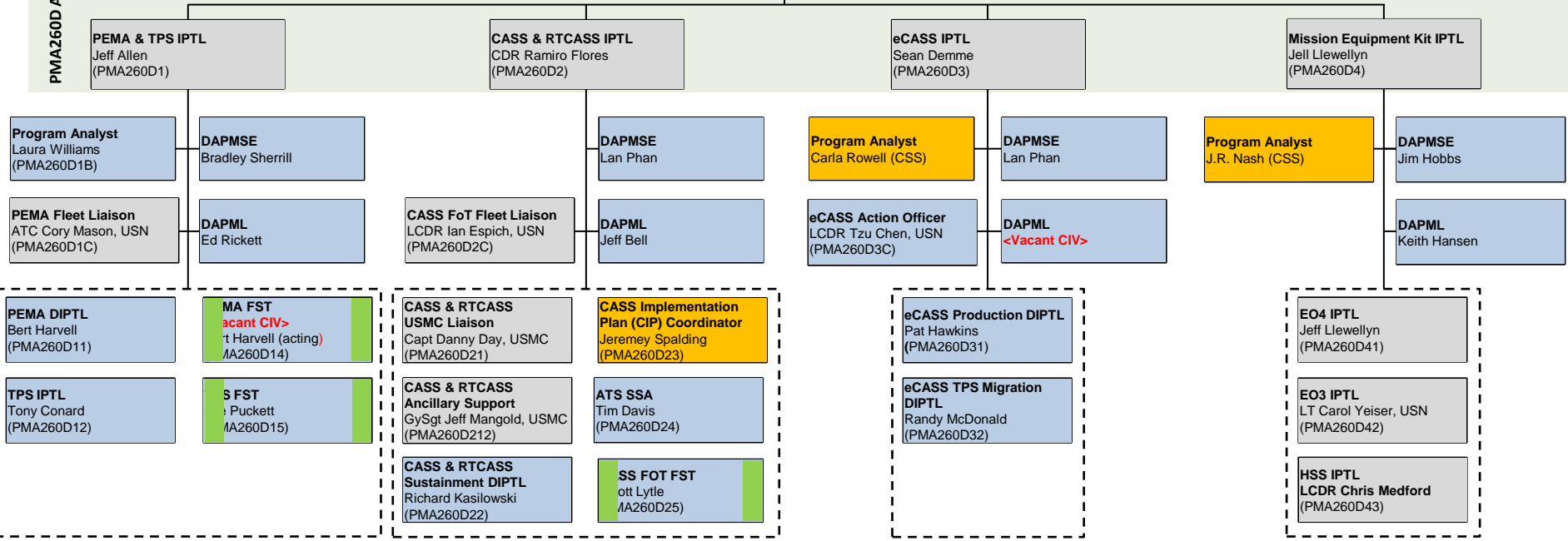
PMA260D ATS ELT Members

PMA260 Functional Leads (Shared)	
PMA260 Acquisition	John Baker
PMA260 Configuration Mgmt	Craig Davie
PMA260 Cyber Security	Chris Dosch
PMA260 Legal	Karen Wiechmann
PMA260 Test & Evaluation	Marcus Lenke

ATS Functional Leads	
ATS APML	Brian Cervenak
ATS APMSE	Andrea Roderick
ATS BFM	Matt Bowes
ATS Config Mgmt, Deputy	GySgt Michael Schwegman, USMC
ATS Contracts	Evan Schlisserman
ATS Cost/Schedule	Bob Preedy
ATS FMS & PM Support	William Ross (CSS)

Deputy PM for ATS Asst. Dir. for ATS ED (DoD) Derwin "DEX" Hansard (PMA260D)
Asst. Deputy PM for ATS CDR Ramiro Flores, USN (PMA260DA)

ATS Site Leads		
FRCE (Cherry Point)	Elliott Lytle	(PMA260DC)
FRCSE (Jacksonville)	Tony Conard	(PMA260DJ)
FRCSW (North Island)	Jimmy Pham	(PMA260DN)
NAWCAD (Lakehurst)	Jim Deffler	(PMA260DL)



- 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.

Legend		
 PMA Support	 NWCF	 Level IIIs
 EOB	 CSS	 PSM FST

Mainframe CASS Initiatives

- CASS Electro-Optical Improvements:
 - Replacing the obsolete multi wavelength LASER and other components for reliability improvement – USN and FMS fielding **is** 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)
 - **RFI posted 15 November, 2017. Response 15 December, 2017**
 - **Draft RFP expected 3QCY18**
- 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 **nearly complete – Navy and FMS**
 - Will replace about 150 MO TPS media at a typical CASS site with a single DVD TPS media
 - **This will be the final major change to the CASS test system**

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 sundown began in 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
 - **Computer upgrade nearly complete**
 - **Converting tech manuals to IETM format**
- 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

- 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 **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**
 - **First 3 stations completed in Mar 2018**
 - 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
 - RFP posted August 18, 2017 with submittal October 10, 2017
 - Scope 211 eCASS stations for USN & USMC through 2022
 - Award expected September 2018

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 last fall**
 - **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 Status (Cont.)

- Not originally planned, but F-35B (USMC) and F-35C (USN) **now requires** I-level support using eCASS
 - 54 Line Replaceable Component (LRC) candidates identified
 - **Focused on 19 LRCs initially**
 - **Test requirements and eCASS test capability gap analysis under way**
 - **Targeting** some capability by **2021** first aircraft carrier deployment
 - LM-STAR depot level TPSs will be migrated to eCASS
- The E-2D Program is developing the first “direct to eCASS” TPS applications

QUESTIONS