



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

June 8, 2011

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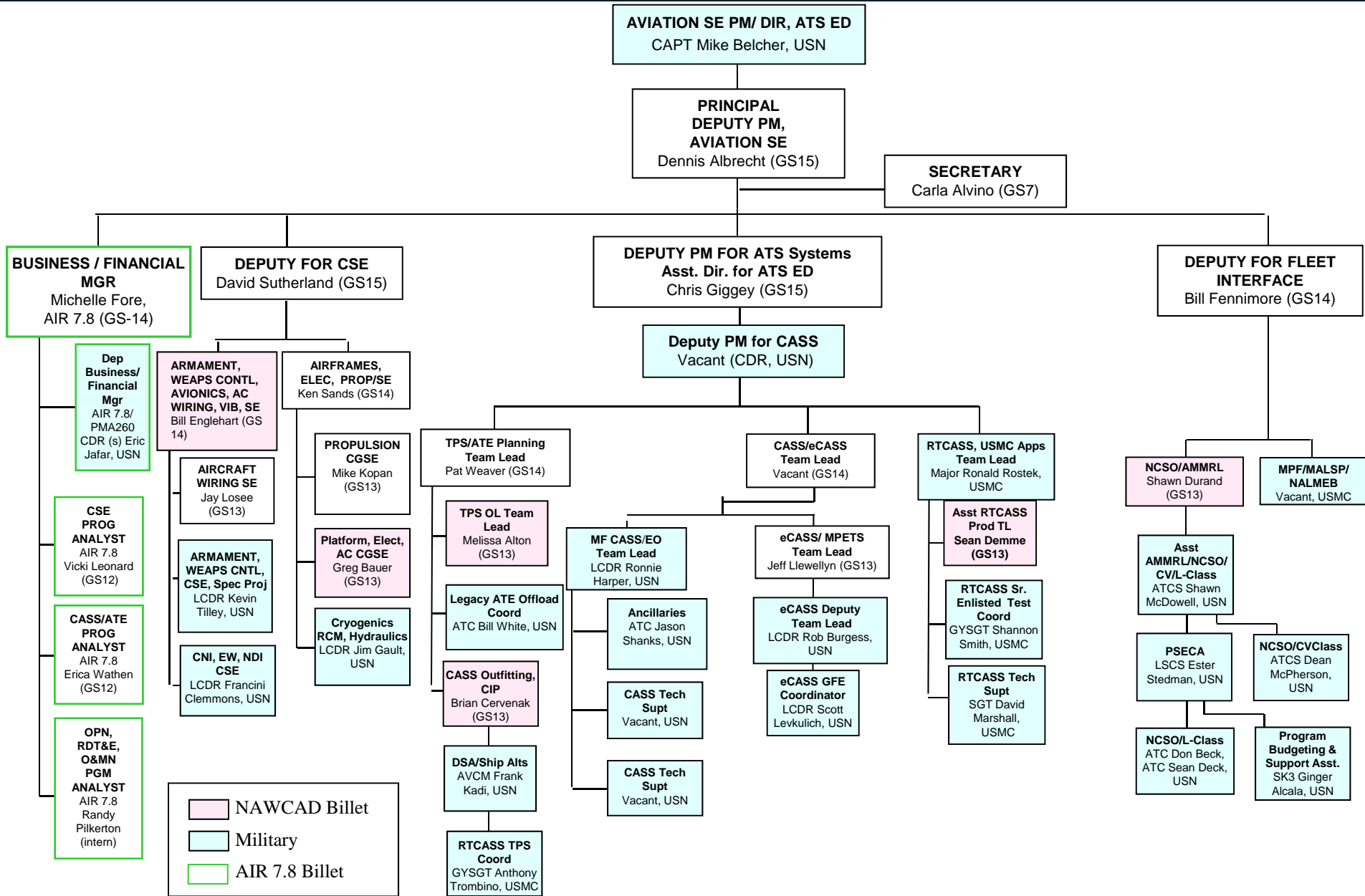
Agenda

- PMA-260 Organization
- CASS Overview
- Legacy ATE TPS Offload Status
- Emerging Platform CASS TPS Efforts
- Navy Items of Interest
- Questions

PMA260 Organization

- Chris Giggey has been promoted to DEPUTY PM FOR ATS Systems filling the position vacated when Bill Ross retired
- Captain Fred Hepler will relieve Captain Belcher on 9 June. Captain Hepler comes from F/A-18 Director of Logistics in PMA265. Captain Belcher will retire and become a GS15 in the PEO Carriers office at NAVSEA in Washington.
- CDR Bob Farmer will arrive in August to be Chris Giggey's Deputy PM for CASS. He's coming from COMNAVAIRLANT. Before that tour, he was AIMD Officer aboard USS Enterprise
- CDR Angel Bellido has checked in from COMNAVAIRLANT to replace LCDR Rob Burgess (eCASS) in the next few months

PMA260 Organization Chart



CASS Overview

- **RTCASS**

- IOC is complete for V-22, AV-8B, F/A-18, H-1 and EA-6B
- A new production contract was awarded in September 2010
 - Base quantity of 12 stations
 - Option 1 for 12 stations was awarded in December 2010
 - Option 2 for 6-11 stations will be awarded in FY12
- Production station 128 delivered
- Integration of mainframe CASS High Power rack with RTCASS is complete
 - Began fielding in April 2010, estimated completion is June 2011
 - IOC declared on 2 June 2010 at MALS-14 Cherry Point
- TPS Transport Status
 - 479 UUTs are currently supported in the field by RTCASS
 - Scheduled completion September 2011
- Latest Releases
 - RTCASS Software version RT-1.005 in test.
 - Candidate TPSs for inclusion in RTCASS Test Program Software update RT-TPS-1.006 in regression test.

RTCASS TPS Transport Status

As of RT-1.004 software release and RT-TPS-1.005 TPS update

CURRENTLY TRANSPORTED (FIELD) OTPSs		
PROGRAM	PLATFORM	OTPS QTY
AN/ALE-47	Multi	1
EA-6B ALQ-99 UEU SRA	EA-6B	1
EA-6B ALQ-99 UEU WRA	EA-6B	1
OFFLOAD APM-446 RSTS LOT 1/2/3	Multi	4
OFFLOAD ASM-614 ESTS EA-6B	EA-6B	1
OFFLOAD AV-8B EETS/HTS	AV-8B/Multi	12
CASS-CID-002	AV-8B	1
OFFLOAD AN/ARM-146	Multi	1
OFFLOAD AN/USM-467 EA-6B	EA-6B	2
OFFLOAD AN/USM-484 EA-6B	EA-6B	1
OFFLOAD AN/USM-686 IATS	F-18 PECULIAR	8
V22	V-22	12
OFFLOAD HPDT OJ-615	EA-6B	1
AH-1Z/UH-1Y AWIRT/CWIRT	H1	1
AN/APG-73 SRAs	F-18 PECULIAR	2
AN/APG-73 WRAs (PS, RDP, RR)	F-18 PECULIAR	3
OFFLOAD AN/USM-429 EA-6B	EA-6B	5
OFFLOAD AN/USM-429/484 EA-6B ORGANIC	EA-6B	1
OFFLOAD OJ-510	EA-6B	1
Subtotal		59
<i>Currently Support 479 UUTs</i>		
OTPS TRANSPORT IN-WORK		
PROGRAM	PLATFORM	OTPS QTY
OFFLOAD GACT GRAD PLUS LOT 1/2	EA-6B	2
OFFLOAD AN/ASM-608	Multi	1
OFFLOAD AN/USM-467 EA-6B	EA-6B	5
OFFLOAD OJ-510	EA-6B	2
OFFLOAD AN/USM-484 F/A-18	F-18 PECULIAR	6
V22	V-22	1
F/A-18 MIDS	Multi	1
OFFLOAD AN/USM-470(V)1(LOT 1/2)	F-18 PECULIAR	3
OFFLOAD ASM-614 ESTS EA-6B	EA-6B	1
AN/ALQ-126B RF SRAs	Multi	1
OFFLOAD AN/USM-458 NEWTS	Multi	1
Subtotal		24
<i>286 UUTs In Work</i>		

Legend	Planned Support Date
	June 2011
	September 2011

NxOMS Overview

- **NxOMS**
 - An extensible general purpose communications framework which encapsulates the task of securely sending, routing and receiving data, exposing the functionality through an Application Programming Interface (API)
 - Open Architecture, Multi-Service, Multi-ATE
 - Phase 2 (Army, Ground Marine Corp, Navy)
 - Software Releases
 - Version 1.3.1.0 released on May 12, 2011
 - » Additional Windows OS support, Data Chunking, 64 bit support
 - Version 1.4.0.0 to be released in June 2011
 - » Ground Marine Corp Support
 - » Message Throttling
 - » Enhanced User Interface
 - Version 2.0.0.0 to be released in September 2011
 - » Software Update Service
 - Phase 2 completion in September 2011

CASS Overview

- **eCASS**

- Post Award Conference (PAC) held April 20, 2010
- Systems Engineering Readiness Review (SERR) for SRR held May 25 thru 27, 2010
- System Requirements Review (SRR) / System Functional Review (SFR) was held August 31 and September 1, 2010
- Logistic Guidance Conference, CMRS Guidance Conference and TDP Guidance Conference complete
- Schedule Risk Assessment (SRA) completed October 29, 2010
- Integrated Baseline Review (IBR) completed December 2, 2010
- Systems Engineering Readiness Review (SERR) for PDR held January 10 - 12, 2011
- Preliminary Design Review (PDR) held May 24 – 26, 2011

CASS Overview

- **AGCS**

- Navy plans award a sole source contract modification to Lockheed Martin Global Training and Logistics(LM GTL) under the eCASS contract for production of the Automated Gyro/Gimbal Control System (AGCS)
- Under this sole source modification, LM GTL is to provide an AGCS tester variant in a stand-alone configuration for FMS to support ATFLIR and LITENING pods
- Award expected June 2011; First deliveries June 2012

Legacy ATE TPS Offload Status

PHASE I			
ATE		AIRCRAFT	
APM-469	RSTS	S-3	Removed from I-Level
AN/USM-247	VAST	S-3, F-14 E-2	Removed from I-Level
AAM-60 (v)6	EOSTS	S-3	Removed from I-Level; P-3 using (v)2 version
AN/USM-614	ESTS	EA-6B, SH-60, S-3	Removed from I-Level; 2 left at NADEP
AN/USM-403	HATS	S-3	Removed from I-Level
APM-457	TTS HPOC	S-3	Removed from I-Level
AN/USM-604	EETS	AV-8B	Removed from I-Level; 1 left at CNATTU; 2 left at NADEP
AN/APM-446	RSTS	F/A-18, AV-8B	9 Remain at I-Level
AN/USM-629	EOTS	F/A-18	8 Remain at I-Level
OJ-615/ALM	TTS	EA-6B	7 Remain at I-Level
AN/USM-470(V)1	ATS	F/A-18	Removed from I-Level
AN/AWM-23	RFTS	F-14	Removed from I-Level
AN/AWM-23	LFTS	F-14	Removed from I-Level
AN/AWM-23	C&DTS	F-14	Removed from I-Level
AN/AWM-23	CTS	F-14	Removed from I-Level

PHASE II			
ATE		AIRCRAFT	
AN/USM-484	HTS	EA-6B	F/A-18 SH-60
AN/USM-467	RADCOM	EA-6B E-2C	SH-60
AN/USM-429	CATIID	EA-6B	E-2C
AN/USM-470(V)2	TMV	SH-60	
AN/USM-458	NEWTS	AV-8B, F/A-18	
OJ-510/ALM	DTB	EA-6B	
PHASE III			
ATE		AIRCRAFT	
AN/ASM-686 Lot 1	IATS	F/A-18	
AN/ASM-686 Lot 2	IATS	F/A-18	
AN/ASM-608	IMUTS	Various	
A/E24T-205	GACT/GRAD Actuators	E-2C, EA-6B, C-2	
AN/ARM-146A	AN/ARA-63	Various	
AN/ASM-167 & TS-2454A	AS/APC	EA-6B	
CAT IIID/HTS Orphans	OTPS-22	EA-6B	
ARM-200 (Marine only)	IATS	Various	

- TPS development in-process
- CASS TPSs being delivered
- TPS effort completed

Emerging Platform CASS TPS Efforts (Direct to CASS)

Platform	Lot	OTPS	I Level/Depot	IOC
V-22	1	9 OTPSs	I	Fielding
	2	8 OTPSs	I	5 Fielding 3 In DEV
	3	4 OTPSs	I	In DEV
	4	4 OTPSs	Depot	Jun 2012
Platform	OTPS		I Level/Depot	IOC
AA-1Z/UH-1Y	AWIRT/CWIRT		I	Fielding
	MC/HIADC		I	Dec 2013
	FCC		I	July 2011
MH-60R	ALFS		I	Sep 2013
	MMR		I	Jul 2013
	Acoustic Processor		I	Sep 2013
	TCDL		I	May 2014
MH-60R/S	ESM		I	Dec 2010
	MTS		I	Dec 2012
	MTS(TV)		I	Sep 2012

Navy Items of Interest

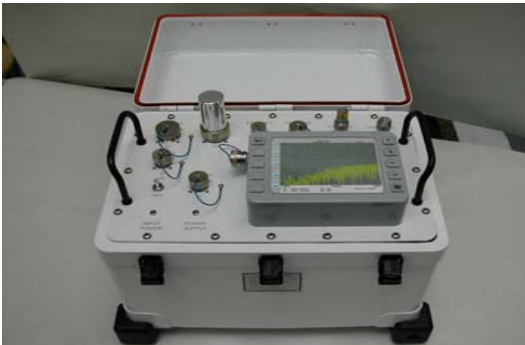
AN/USM-708 Common RF Avionics Flightline Tester (CRAFT):

- New O-level test set being developed to replace multiple legacy testers required to Link-4A data link, Automated Carrier Landing System (ACLS), TACAN, O-Level Sonobuoy RF data link, and VOR/ILS/GS/MB/LOC. *Provides a new Mode 5 IFF support capability for both aviation and surface Navy*
- IFF only variant (AN/USM-719) being developed to support surface Navy & USCG Mode 5 IFF applications. Prototypes fielded to support Mode 5 integration through FY 2011
- AIMS Certification Letter for the USM-719 was issued on 28 July 2009
- Contractor testing successfully completed December 2010
- Government suitability & supportability testing and Fleet evaluation currently wrapping up and a 3rd quarter release for production is planned.



AN/USM-713 Swept Frequency Test Set (SWFT):

- O-level, portable test set that conducts Insertion Loss (IL), Return Loss (RL), Voltage Standing-Wave Ratio (VSWR) and Distance-To-Fault (DTF) measurements on aircraft RF transmission lines, in-line components and antennas. Replaces the AN/USM-482A and supports all aircraft not scheduled to receive JSECST
- All production units have been ordered. IOC was January 2010 and all deliveries completed as of July 2010
- All Fault Diagnostic Test Program Instructions (FDTPIs) completed & fielded for 17 aircraft T/M/S as of 30 November 2010



Navy Items of Interest

AN/USM-715 Rocket Launcher Tester:

- O and I-level test set used with the 2.75" and 5.0" Airborne Rocket Launchers. Used to check for the presence of a safety ground on the launcher firing lines as well as checking the intervalometer fire pulse amplitude and pulse width, i.e., perform verification/confidence check of the pod
- Designed & developed by NAWCAD AIR-4.8.6 Indianapolis Detachment via a MOA with PMA260
- All testing successfully completed and production decision made 15 April 2010
- Fleet deliveries began in January 2011 and continue through October 2011



Next Generation Software Loader:

- Replaces Navy's current Common MLVS with unit capable of uploading/verifying OFPs and User Data Files via single point or direct loading at O- and I- levels. Will support emerging enhanced bus capabilities
- Working with Hill Air Force Base and NAWCWD China Lake to develop a Navy variant of USAF CAPRE to be hosted on hardware that meets all USN operational and environmental requirements for use on a flight deck.
- USAF software development efforts and China Lake integration efforts planned as follows:
 - Block 1 (legacy applications) for September 2011 to May 2012
 - Block 2 (new applications) for July 2012 to July 2013
- IOC for initial Block 1 applications planned for September 2012



Navy Items of Interest

- Defining the meaning of “CASS Compatibility”
 - Defining “CASS Family Compatible” using RTCASS as the baseline
 - Working with the Navy depots (NAVSEA and NAVAIR) to better define CASS-unique depot testing requirements
- Digital Testing
 - Have demonstrated Teradyne DI-050 on RTCASS
 - Will be demonstrating the EADS Digital Instrument next on RTCASS

QUESTION?