



PEO(T) OVERVIEW AND TECHNOLOGY INSERTION

Prepared For:

SMALL BUSINESS AVIATION TECHNOLOGY CONFERENCE

16-17 NOVEMBER 2010

Presented By:

CAPT SHANE GAHAGAN

On behalf of Program Executive Officer Tactical Aircraft Programs

Report Documentation Page

Form Approved
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE NOV 2010	2. REPORT TYPE	3. DATES COVERED 00-00-2010 to 00-00-2010	
4. TITLE AND SUBTITLE PEO(T) Overview and Technology Insertion		5a. CONTRACT NUMBER	
		5b. GRANT NUMBER	
		5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)		5d. PROJECT NUMBER	
		5e. TASK NUMBER	
		5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Program Executive Office Tactical Aircraft Programs, Patuxent River, MD, 20670		8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited			
13. SUPPLEMENTARY NOTES Presented at the NAVAIR Small Business Aviation Technology Conference Nov 16-17, 2010, Southern Maryland Higher Education Center, California, MD 20619			
14. ABSTRACT			
15. SUBJECT TERMS			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	Same as Report (SAR)
			18. NUMBER OF PAGES 6
			19a. NAME OF RESPONSIBLE PERSON



PEO(T) PORTFOLIO

Advanced Sensor Technology



CAPT M. Mohr



CAPT C.J. Jaynes

Naval Air Traffic Management Systems

Naval Undergraduate Flight Training Systems



CAPT A. Hartigan

Advanced Tactical Aircraft Protection Systems

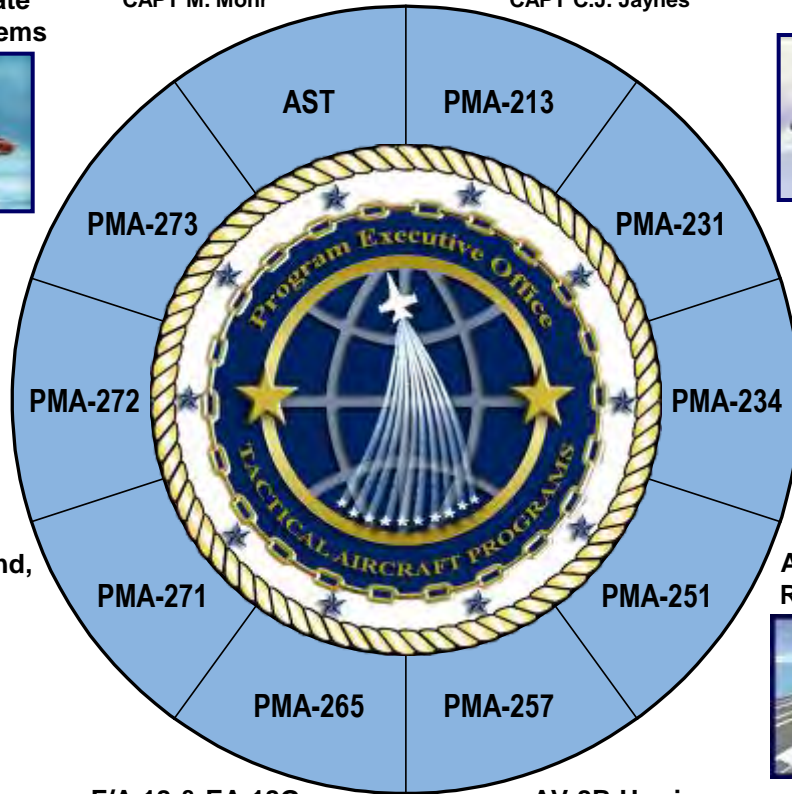


CAPT P. Overstreet

E-6 Airborne Strategic Command, Control & Communications



CAPT R. Roof



E-2/ C-2



CAPT S. Gahagan

EA-6B Prowler



CAPT J. Green

Aircraft Launch and Recovery Equipment



CAPT J. Donnelly

F/A-18 & EA-18G



CAPT M. Darrah

AV-8B Harrier



Col T. Walsh

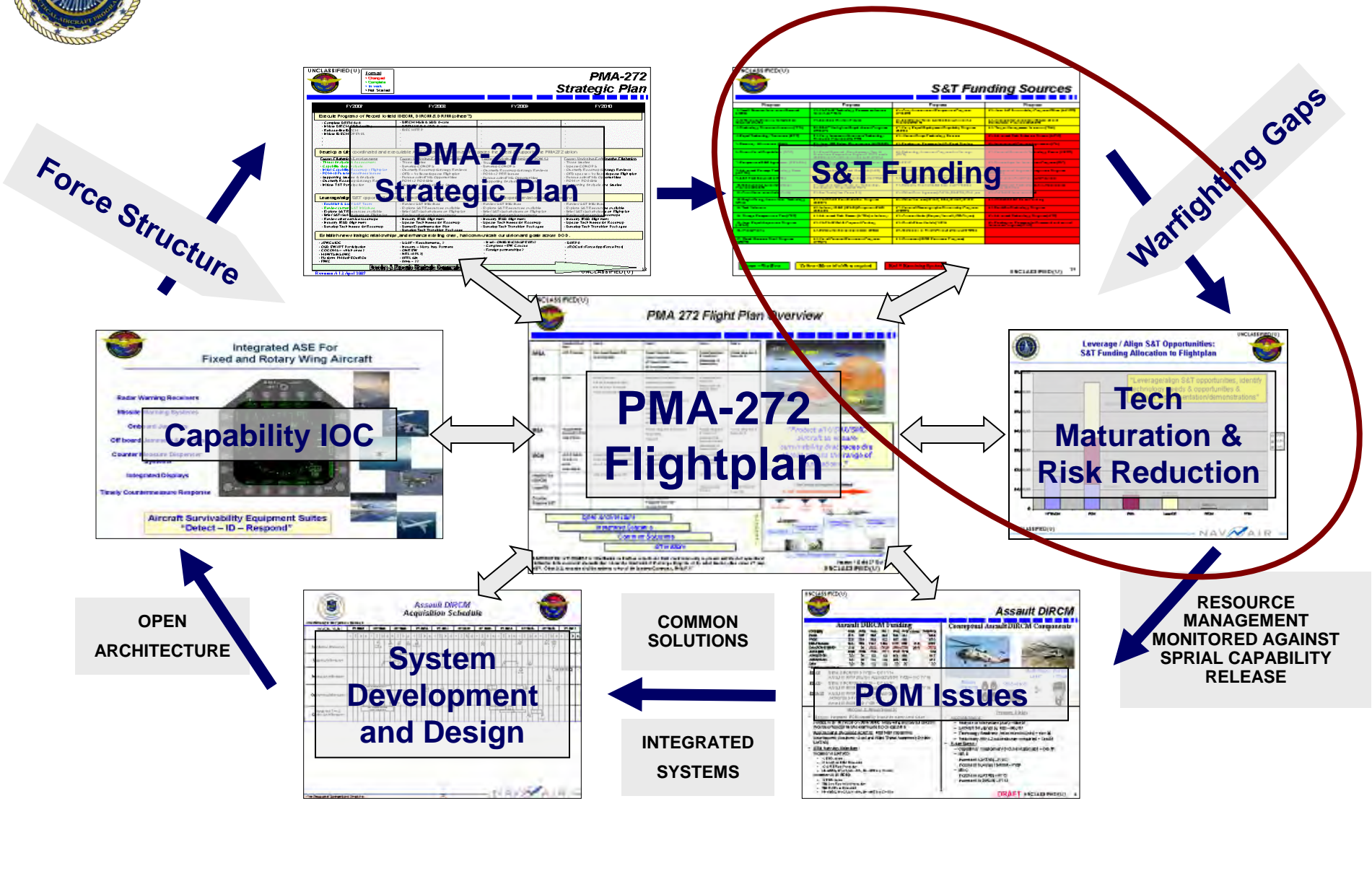


PEO(T) PROGRAM PORTFOLIO

	A	B	C	IOC	<i>Sustainment</i> FOC
	Material Solution Analysis	Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
	◆ AoA	◆ Preliminary Design Review	◆ Critical Design Review	LRIP/OT&E ◆ Full Rate Production Decision Review	
ACAT I	<ul style="list-style-type: none"> NEXT GENERATION JAMMER 	<ul style="list-style-type: none"> AAS JATAS 	<ul style="list-style-type: none"> JPALS 	<ul style="list-style-type: none"> LSRS ICAP III F/A-18 E/F EA-18G T-6B IDECM BLOCK 2/3/4 E-2D 	<ul style="list-style-type: none"> DON LAIRCM VMTS E-2C AV-8B F/A-18 A-D C-2
ACAT II		<ul style="list-style-type: none"> IRST 	<ul style="list-style-type: none"> AAG 	<ul style="list-style-type: none"> E-6B BLOCK I MODE 5 AESA ALR-67(V) 3 	<ul style="list-style-type: none"> EA-6B DFCS APG-73 RUG AAR-47 AIRBORNE EXPENDABLES
ACAT III			<ul style="list-style-type: none"> DTP/MSU 	<ul style="list-style-type: none"> LOW BAND TRANSMITTER E-6B BLOCK II 	<ul style="list-style-type: none"> LBT BAND 9/10 T-45A-C E-6B TFLIR
ACAT IV			<ul style="list-style-type: none"> ADMACS BLK III 	<ul style="list-style-type: none"> ADMACS BLK II ASPARC MORIAH WIND ARC AN/APX-117/118 AN/UPX-37 	<ul style="list-style-type: none"> LITENING ICAP TH-57B/C EA-6B T-44C
Special Interest			<ul style="list-style-type: none"> EMALS 		<ul style="list-style-type: none"> T-39N T-6A ATFLIR



PMA-272 FUTURE CAPABILITY CYCLE



Force Structure

Warfighting Gaps

UNCLASSIFIED(U)

PMA-272 Strategic Plan

Category	FY2007	FY2008	FY2009	FY2010
Baseline Program of Record				
Baseline Aircraft				
Baseline Mission				
Baseline Support				
Baseline Training				
Baseline Maintenance				
Baseline Logistics				
Baseline Personnel				
Baseline Infrastructure				
Baseline Test & Eval				

UNCLASSIFIED(U)

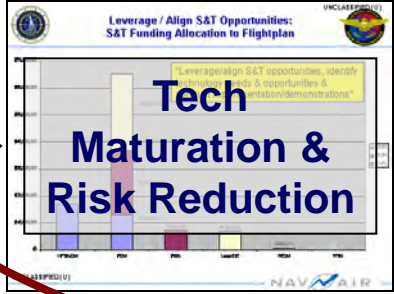
S&T Funding Sources

Source	Amount	Notes
NAVY	100	
AIR FORCE	200	
AIR NAVY	150	
ARMY	50	
DEFENSE	100	
NSA	50	
DOE	50	
DOH	50	
DOJ	50	
DOE	50	
DOH	50	
DOJ	50	

UNCLASSIFIED(U)

PMA 272 Flight Plan Overview

Phase	Start	End	Key Milestones
Phase 1	2007	2008	System Architecture, Requirements
Phase 2	2008	2009	System Development, Integration
Phase 3	2009	2010	System Testing, Validation
Phase 4	2010	2011	Operational Readiness, Deployment



Assault DIRCM Acquisition Schedule

Task	Start	End	Status
Task 1	2007	2008	Complete
Task 2	2008	2009	In Progress
Task 3	2009	2010	Planned
Task 4	2010	2011	Planned

System Development and Design

UNCLASSIFIED(U)

Assault DIRCM

POM Issues

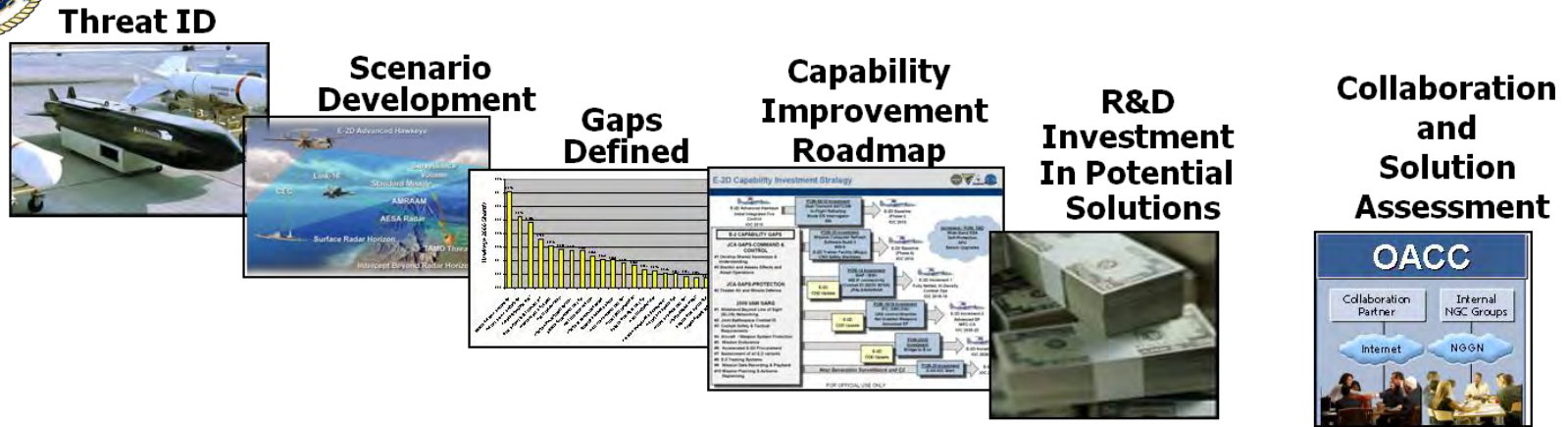
Issue	Impact	Resolution
Issue 1	High	Resolution 1
Issue 2	Medium	Resolution 2
Issue 3	Low	Resolution 3

COMMON SOLUTIONS
INTEGRATED SYSTEMS

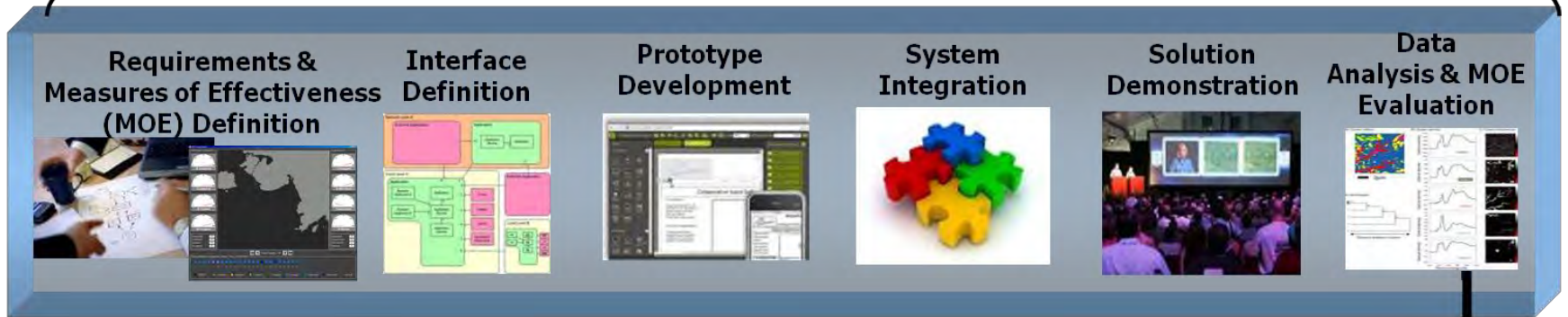
RESOURCE MANAGEMENT MONITORED AGAINST SPIRAL CAPABILITY RELEASE



THE NORTHROP GRUMMAN OACC COLLABORATION PROCESS



OACC Collaboration Process



**Open Architecture
 Collaboration Center
 supporting PMA-231**

**Program of
 Record Initiated**



**Customer Funding
 POM/ SBIR
 Internal NCTA/IRaD**





TECHNOLOGY NEEDS - TECHNOLOGIES TO SUPPORT CAPABILITIES

- **Platform Survivability**
- **Electronic Protection**
- **Electronic Attack**
- **Tactical Decision Aids**
- **Precision Localization/Identification/Attack**
- **Anti-Air Warfare**
- **Engage Time Critical Targets**
- **Stand-off capability against mobile targets**
- **Covert Strike**
- **Suppression of Enemy Air Defense**
- **Close Air Support**
- **Information Dominance**
 - Battlespace Awareness
 - Information Security
 - Communications and Networks