



## ***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

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# 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

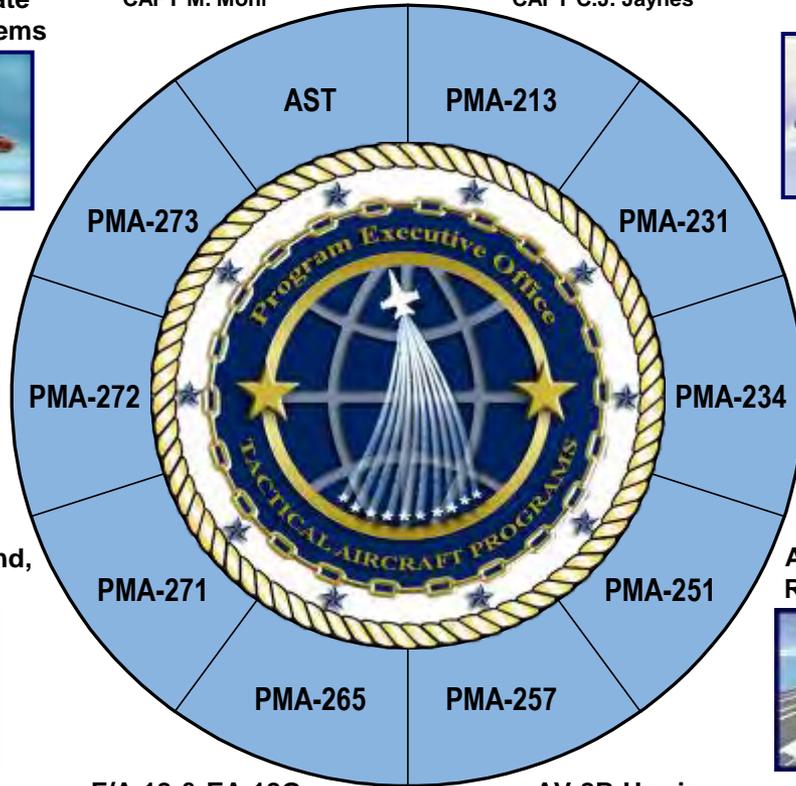


CAPT P. Overstreet

## 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

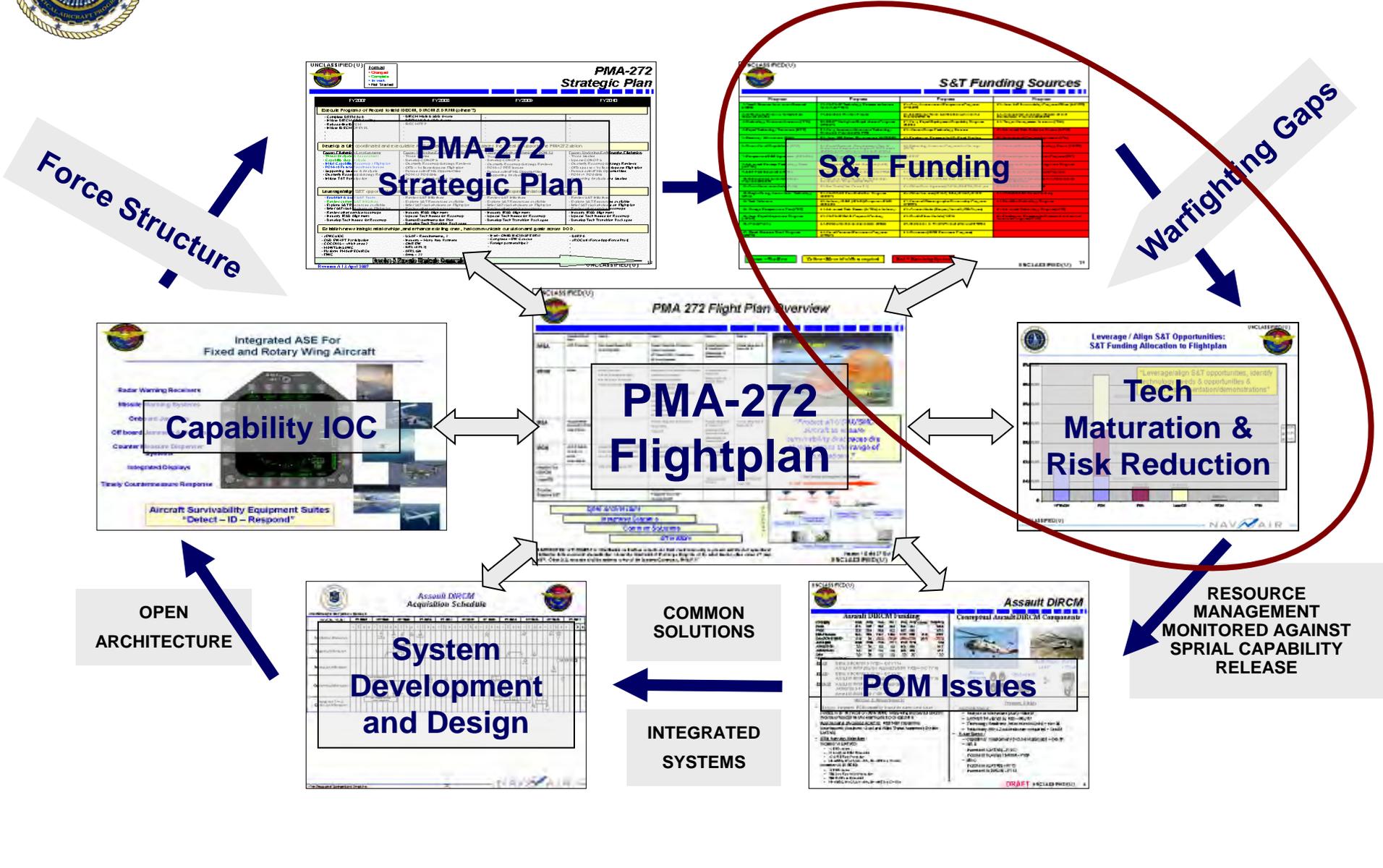


# PEO(T) PROGRAM PORTFOLIO

	△ 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"> <li>NEXT GENERATION JAMMER</li> </ul>	<ul style="list-style-type: none"> <li>AAS</li> <li>JATAS</li> </ul>	<ul style="list-style-type: none"> <li>JPALS</li> </ul>	<ul style="list-style-type: none"> <li>LSRS</li> <li>ICAP III</li> <li>F/A-18 E/F</li> <li>EA-18G</li> <li>T-6B</li> <li>IDECM BLOCK 2/3/4</li> <li>E-2D</li> </ul>	<ul style="list-style-type: none"> <li>DON LAIRCM</li> <li>VMTS</li> <li>E-2C</li> <li>AV-8B</li> <li>F/A-18 A-D</li> <li>C-2</li> </ul>
ACAT II		<ul style="list-style-type: none"> <li>IRST</li> </ul>	<ul style="list-style-type: none"> <li>AAG</li> </ul>	<ul style="list-style-type: none"> <li>E-6B BLOCK I</li> <li>MODE 5</li> <li>AESA</li> <li>ALR-67(V) 3</li> </ul>	<ul style="list-style-type: none"> <li>EA-6B DFCS</li> <li>APG-73 RUG</li> <li>AAR-47</li> <li>AIRBORNE EXPENDABLES</li> </ul>
ACAT III			<ul style="list-style-type: none"> <li>DTP/MSU</li> </ul>	<ul style="list-style-type: none"> <li>LOW BAND TRANSMITTER</li> <li>E-6B BLOCK II</li> </ul>	<ul style="list-style-type: none"> <li>LBT BAND 9/10</li> <li>T-45A-C</li> <li>E-6B</li> <li>TFLIR</li> </ul>
ACAT IV			<ul style="list-style-type: none"> <li>ADMACS BLK III</li> </ul>	<ul style="list-style-type: none"> <li>ADMACS BLK II</li> <li>ASPARC</li> <li>MORIAH WIND</li> <li>ARC</li> <li>AN/APX-117/118</li> <li>AN/UPX-37</li> </ul>	<ul style="list-style-type: none"> <li>LITENING</li> <li>ICAP</li> <li>TH-57B/C</li> <li>EA-6B</li> <li>T-44C</li> </ul>
Special Interest			<ul style="list-style-type: none"> <li>EMALS</li> </ul>		<ul style="list-style-type: none"> <li>T-39N</li> <li>T-6A</li> <li>ATFLIR</li> </ul>

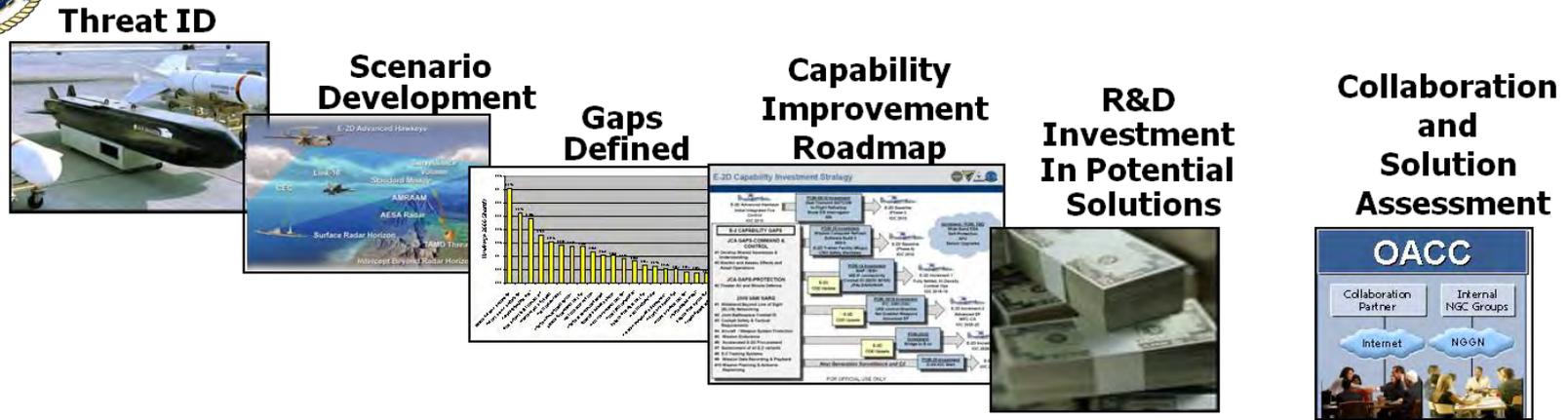


# PMA-272 FUTURE CAPABILITY CYCLE

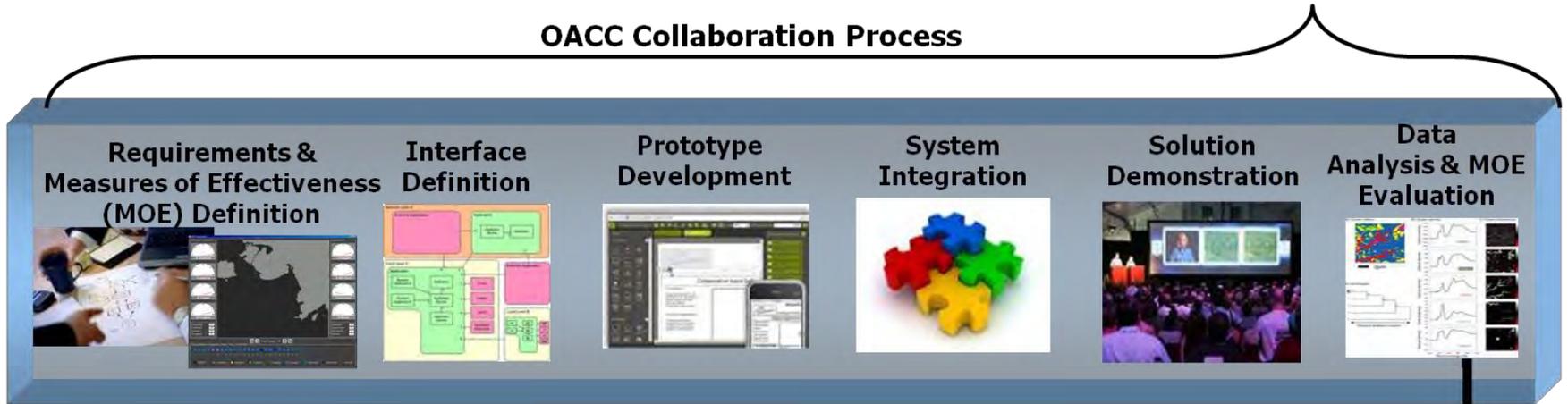




# THE NORTHROP GRUMMAN OACC COLLABORATION PROCESS



## 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