Agenda

• Who is NAVAIR?
• What is NAVAIR?
• NAVAIR SBIR Process
• NAVAIR by the Numbers
• Questions
WHO IS NAVAIR
Our Vision

*We are naval aviation’s provider of choice.*

*We will deliver safe, affordable, integrated and interoperable warfighting capabilities with agility, flexibility and speed.*
NAVAIR LONG RANGE STRATEGY

SNO TENETS

WARFIGHTING FIRST ~ OPERATE FORWARD ~ BE READY

PRIORITIES

INTEGRATED WARFIGHTING CAPABILITY

AFFORDABILITY

INVEST IN OUR PEOPLE

DELIVER INTEGRATED & INTEROPERABLE WARFIGHTING CAPABILITIES

IMPROVE AFFORDABILITY ACROSS THE FULL LIFE CYCLE

SPEED

ACHIEVING INTEGRATED WARFIGHTING CAPABILITY

- TECHNICAL & PROFESSIONAL SKILLS
- TEAMWORK & COLLABORATION
- QUALITY OF WORK LIFE
- INNOVATION, CREATIVITY & RISK TAKING

- CAPABILITIES-BASED ACQUISITION
- GOVERNMENT AS LEAD SYSTEMS INTEGRATOR
- RAPID RESPONSE, PROTOTYPING

- OPERATIONS & SUPPORT
- WEAPONS SYSTEMS DEVELOPMENT & PROCUREMENT
- ORGANIZATIONAL PRODUCTIVITY

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FULL LIFE-CYCLE MANAGEMENT

FUTURE CAPABILITIES

REQ'Ts / RISKS FROM FLEET/OPNAV
MATERIEL SOLUTION ANALYSIS
TECHNOLOGY DEVELOPMENT
ENGINEERING AND MANUFACTURING DEVELOPMENT
PRODUCTION & DEPLOYMENT
OPERATIONS & SUPPORT

HEADQUARTERS / PEOs
WARFARE CENTERS
/ DEPOT/ INDUSTRIAL SITES (FLEET READINESS CENTERS)

CURRENT READINESS

CORE FUNCTIONS/ PROCESSES

ACQUISITION MANAGEMENT
Perform Acquisition Management For The Development, Production, And In-service Support Of Aircraft And Weapons Systems

S&T, R&D, HARDWARE, SOFTWARE PRODUCTS, DESIGN
Conduct Efforts Focused On The Advancement Of Science, Technology, Research And Development And Delivery Of Hardware/ Software Products

IN-SERVICE ENGINEERING & LOGISTICS SUPPORT
Analyze System Data, Determine / Implement Corrective Actions To Sustain In-service Systems And To Ensure Safety, Affordability, And Availability; Perform Engineering Investigations, Engineering Change Proposals

TEST & EVALUATION
Test & Evaluate Aircraft, Weapons & Integrated Systems; Science & Technology For Test & Evaluation

REPAIR & MODIFICATION
Provide For The Repair And/ Or Modification Of Aircraft, Engines, Systems & Components

COMMAND MANAGEMENT AND SUPPORT OPERATIONS
Develop/ Maintain Competency Policies, Procedures & Support Services, Facilitate Effective Utilization Of Infrastructure, Security, Legal, Financial, Mgmt, Personnel & Info Resources
### PEO(JSF) Joint Strike Fighter

**Program Office:** PMA/PMM-101 NIDS JTRS Program Office
- **MIDS JTRS**
- **MIDS LV**
- **TTN/COM4-1 LINK 16 Enhancements**

**Programs:**
- **PMA207** Tactical Airlift, Adversary, and Support Aircraft (TAS)
  - KC-130J, C/DCJ-130F/RT, C-40A, C-9, C-12, UC-35, C-26, C-37, F-5, F-16, CAS
- **PMA234** Airborne Electronic Attack
  - EA-6B Prowler
  - EA-6B IAP
- **PMA251** Aircraft Launch & Recovery Equipment
  - Advanced Arresting Gear (AAG)
  - Electromagnetic Aircraft Launch System (EMALS)
- **PMA253** Advanced Aircraft Launch System
  - FA-18A/C/D Hornet
  - FA-18E/F Super Hornet
- **PMA254** Executive Transport Helicopters
  - H-1 upgrades (AH-1Z, UH-1Y)
- **PMA260** Avition Support Equipment Consolidated Automated Support System (eCASS)
- **PMA265** F/A-18 Program
  - F/A-18A/B/C/D Hornet
  - F/A-18E/F Super Hornet
- **PMA267** Advanced Sensor Technology Program Office
  - MJ-140 Aries II
  - P-3C Orion

**In Addition:**
- 11 ACAT IVs and 53 AAPs
- **PMA/PMW-101 MIDS JTRS Program Office**
- **MIDS JTRS**
- **MIDS LV**
- **TTN/COM4-1 LINK 16 Enhancements**

### PEO(T) Tactical Aircraft Programs

**Program Office:** PMA201 Precision Strike Weapons
- **SDB II**
- **JDAM**
- **JSOW**
- **SLAM-ER**
- **HARP**
- **DIRECT ATTACK WEAPONS**
  - AA/FM
  - ADVANCED DEVELOPMENT

**Programs:**
- **PMA202** Aircrave Systems
  - Air Combat Electronics
  - Advanced Mission Computer & Displays
  - Common Navigation Surveillance / Air Traffic Management
- **PMA203** Tactical Combat Training System
  - Joint Common Aircraft
- **PMA204** Marine Air-Ground Task Force
  - Joint Precision Attack
- **PMA205** TACTICAL training Ranges
  - Marine Common Aircrew Trainer
  - Air Combat Electronics
- **PMA206** Advanced Combat Electronic
  - JMC-50 Flight and Training

**In Addition:**
- 11 ACAT IVs and 53 AAPs
- **PMA/PMW-101 MIDS JTRS Program Office**
- **MIDS JTRS**
- **MIDS LV**
- **TTN/COM4-1 LINK 16 Enhancements**

### PEO(A) Air ASW, Assault, & Special Mission Programs

**Program Office:** PMA207 Tactical Airlift, Adversary, and Support Aircraft (TAS)
- **KC-130J, C/DCJ-130F/RT, C-40A, C-9, C-12, UC-35, C-26, C-37, F-5, F-16, CAS**
- **PMA234** Airborne Electronic Attack
  - EA-6B Prowler
  - EA-6B IAP
- **PMA251** Aircraft Launch & Recovery Equipment
  - Advanced Arresting Gear (AAG)
  - Electromagnetic Aircraft Launch System (EMALS)
- **PMA253** Advanced Aircraft Launch System
  - FA-18A/C/D Hornet
  - FA-18E/F Super Hornet
- **PMA254** Executive Transport Helicopters
  - H-1 upgrades (AH-1Z, UH-1Y)
- **PMA260** Avition Support Equipment Consolidated Automated Support System (eCASS)
- **PMA265** F/A-18 Program
  - F/A-18A/B/C/D Hornet
  - F/A-18E/F Super Hornet
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  - MJ-140 Aries II
  - P-3C Orion

**In Addition:**
- 11 ACAT IVs and 53 AAPs
- **PMA/PMW-101 MIDS JTRS Program Office**
- **MIDS JTRS**
- **MIDS LV**
- **TTN/COM4-1 LINK 16 Enhancements**

### PEO(U&W) Unmanned Aviation & Strike Weapons

**Program Office:** PMA201 Precision Strike Weapons
- **SDB II**
- **JDAM**
- **JSOW**
- **SLAM-ER**
- **HARP**
- **DIRECT ATTACK WEAPONS**
  - AA/FM
  - ADVANCED DEVELOPMENT

**Programs:**
- **PMA202** Aircrave Systems
  - Air Combat Electronics
  - Advanced Mission Computer & Displays
  - Common Navigation Surveillance / Air Traffic Management
- **PMA203** Tactical Combat Training System
  - Joint Common Aircraft
- **PMA204** Marine Air-Ground Task Force
  - Joint Precision Attack
- **PMA205** TACTICAL training Ranges
  - Marine Common Aircrew Trainer
  - Air Combat Electronics
- **PMA206** Advanced Combat Electronic
  - JMC-50 Flight and Training

**In Addition:**
- 11 ACAT IVs and 53 AAPs
- **PMA/PMW-101 MIDS JTRS Program Office**
- **MIDS JTRS**
- **MIDS LV**
- **TTN/COM4-1 LINK 16 Enhancements**

### Commander, Naval Air Systems Command

**Program Office:** PMA202 Aircrave Systems
- **SDB II**
- **JDAM**
- **JSOW**
- **SLAM-ER**
- **HARP**
- **DIRECT ATTACK WEAPONS**
  - AA/FM
  - ADVANCED DEVELOPMENT

**Programs:**
- **PMA202** Aircrave Systems
  - Air Combat Electronics
  - Advanced Mission Computer & Displays
  - Common Navigation Surveillance / Air Traffic Management
- **PMA203** Tactical Combat Training System
  - Joint Common Aircraft
- **PMA204** Marine Air-Ground Task Force
  - Joint Precision Attack
- **PMA205** TACTICAL training Ranges
  - Marine Common Aircrew Trainer
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- **PMA206** Advanced Combat Electronic
  - JMC-50 Flight and Training

**In Addition:**
- 11 ACAT IVs and 53 AAPs
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ADDITIONAL INFORMATION RESOURCES

- https://mynavair.navair.navy.mil
  *Internal website that houses NAVAIR content and information*

- www.navair.navy.mil
  *Public website for NAVAIR*

- www.twitter.com/NAVAIRNews
  *Official news account for NAVAIR*

- www.facebook.com/navair

- www.youtube.com/navairsyscom
  *NAVAIR social media tools for sharing and networking with members of the NAVAIR community, as well as other federal agencies, industry, potential hires, and naval aviation enthusiasts*
WHAT IS NAVAIR
EIGHT NAVAIR COMPETENCIES

**Competency** – A nationally-aligned community of practice with skilled people, processes, tools, mission facilities, and core technologies to support program teams and other customers

- AIR-1.0* – Program Management
- AIR-2.0 – Contracts
- AIR-4.0 – Research & Engineering
- AIR-5.0 – Test and Evaluation
- AIR-6.0 – Logistics and Industrial Operations
- AIR-7.0 – Corporate Operations and Total Force
- AIR-10.0 – Comptroller
- AIR-11.0 – Office of Counsel

* People assigned to PEO structures are ‘aligned’ to the program management competency for purposes of training, development and process applications.
NAVAIR PRODUCTS

- Fixed Wing
- Rotorcraft
- Weapons
- Unmanned Air Systems
- Aviation Systems
## ACTUAL FY13 DELIVERIES

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<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>New Aircraft</td>
<td>196</td>
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<tr>
<td>Missiles / Bombs</td>
<td>19,427</td>
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<tr>
<td>Unmanned Air Vehicles (UAV)</td>
<td>21</td>
</tr>
<tr>
<td>UAV Ground Systems</td>
<td>6</td>
</tr>
<tr>
<td>Training Devices</td>
<td>23</td>
</tr>
<tr>
<td>Aircraft Repairs (Including Commercial / Inter-Service)</td>
<td>537</td>
</tr>
<tr>
<td>Engine Repairs (Including Commercial / Inter-Service)</td>
<td>1,951</td>
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<tr>
<td>Component Repairs</td>
<td>62,131</td>
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<tr>
<td>Support Equipment Repairs</td>
<td>1,785</td>
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</tbody>
</table>

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NAVAIR SBIR Process
NAVAIR SBIR/STTR Award Structure

**Contract Type**
- Non-SBIR
- Variable
- FFP
- Typically CPFF
- CPFF or FFP
- Any

**Typical TRL Level**
- By Phase -
  - Year 1: ~0-3
  - Year 2: ~2-5
  - Year 3: ~4-7
  - Year 4: ~6-9

**SBIR FUNDS**
- NTE $150K
- NTE $1M
- NTE $1.5M
- NTE $2.65M

**Phase III**
- Non-SBIR $ Variable

**Phase I**
- 6 mo.
- $80k

**Phase I Option**
- 6 mo.
- $70k

*Phase I Option is invoked when the Full Phase II proposal is received*

**Phase II variable**
- 12 – 18 mo.
- ≤$750k SBIR

**Phase II variable**
- 12 – 24 mo.
- ≤$750k SBIR

**SBIR FUNDS Continued**
- Year 4: Total CD+AT ≤ $1.5M SBIR
- Year 5: TTA Required
- Year 6: NTE $150K, NTE $1M, NTE $1.5M

**Phase 1.5 Strategies**
- Enhancement*
  - 12 – 18 mo.
  - ≤$750k SBIR

*Requires 1:1 PMA Funding Commitment*

**Phase II variable**
- Cont. Dev.
  - 12 – 18 mo.
  - ≤$750k SBIR

**Options**
- Option variable

**Phase II variable**
- AT
  - 12 – 24 mo.
  - $70k

**Accelerated Transition (AT)**
- ≤ 24 mo.
- ≤ $1.5M SBIR

**TTA Required**
- NTE $150K
- NTE $1M
- NTE $1.5M

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Phase II.5 is an interim technology maturity phase, inserted into the SBIR development process. Under this program SBIR funds are dedicated to expand transition funding to further develop SBIR technologies and to:

- Identify SBIR technologies that meet Acquisition Program Office (PMA) requirements. Provide transition investment strategies to mature the technologies.
- Accelerate SBIR technology incorporation and transition into naval weapons systems and Programs of Record through shared SBIR and PMO investment and risk mitigation.
- Provide better coordination between PMA Acquisition Plans, the Requirements community, and linkage to SBIR Technology Maturation through Transition documentation and planning.
- Provide the necessary transition assistance to SBIR firms to allow developed technologies to be integrated into Programs of Record to meet high priority Department of Navy needs.

“Projects selected for Phase II.5 investment are selected through and evaluation process by the PMAs - there is no application”
Who to Contact?

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