



NAVAIR OVERVIEW

PRESENTATION TO:

**NAVAIR SMALL BUSINESS
AVIATION TECHNOLOGY CONFERENCE**

The crest of the Naval Air Systems Command, featuring a shield with a stylized anchor and wings, surrounded by a laurel wreath.

**MS. KAREN E. HOLCOMB
ASSISTANT COMMANDER FOR CORPORATE OPERATIONS
NAVAL AIR SYSTEMS COMMAND
29 NOVEMBER 2006**

NAVAIR

VISION

WE PROVIDE COST-WISE READINESS AND DOMINANT MARITIME COMBAT POWER TO MAKE A GREAT NAVY / MARINE CORPS TEAM BETTER

MISSION

AS A PART OF NAVAL AVIATION ENTERPRISE, NAVAIR IS A PROVIDER OF . . .

- *SUSTAINMENT (CURRENT READINESS)*
- *TECHNOLOGY, SYSTEMS DEVELOPMENT & ACQUISITION (FUTURE READINESS)*
- *DECISION SUPPORT*

TO MAKE THE NAVY MORE CAPABLE, READY, AND AFFORDABLE IN A JOINT ENVIRONMENT

GOALS

- **BALANCE CURRENT AND FUTURE READINESS**
- **REDUCE COST OF DOING BUSINESS**
- **IMPROVE AGILITY**
- **ENSURE ALIGNMENT**
- **IMPLEMENT FLEET-DRIVEN METRICS**

EVOLVING MISSION & PRIORITIES . . .

- **MOVE TO MISSION CAPABILITY BASED REQUIREMENTS**
- **IMPROVE KEY RELATIONSHIPS IN MISSION EXECUTION**
- **CONTINUE ALIGNMENT OF ASSETS WITH NAE AND OTHER WARFIGHTER ENTERPRISES**
- **STRATEGICALLY MANAGE COST**
- **FOCUS S&T PROGRAM INITIATIVES ON EMERGING NAE REQUIREMENTS**
- **REDUCE PROGRAM VOLATILITY**
 - PROGRAM COMPLEXITY
 - REQUIREMENTS FLUCTUATION
 - BUDGET INSTABILITY
 - SCHEDULE DEMANDS
 - CONTRACTOR / PROGRAM MANAGER OPTIMISM
- **DEVELOP EXPLICIT CONNECTIVITY BETWEEN INVESTMENT METRICS AND “SINGLE FLEET-DRIVEN METRIC” IN FUTURE STATE**

NAVAIR'S ROLE IN NAVAL AVIATION IS . . .

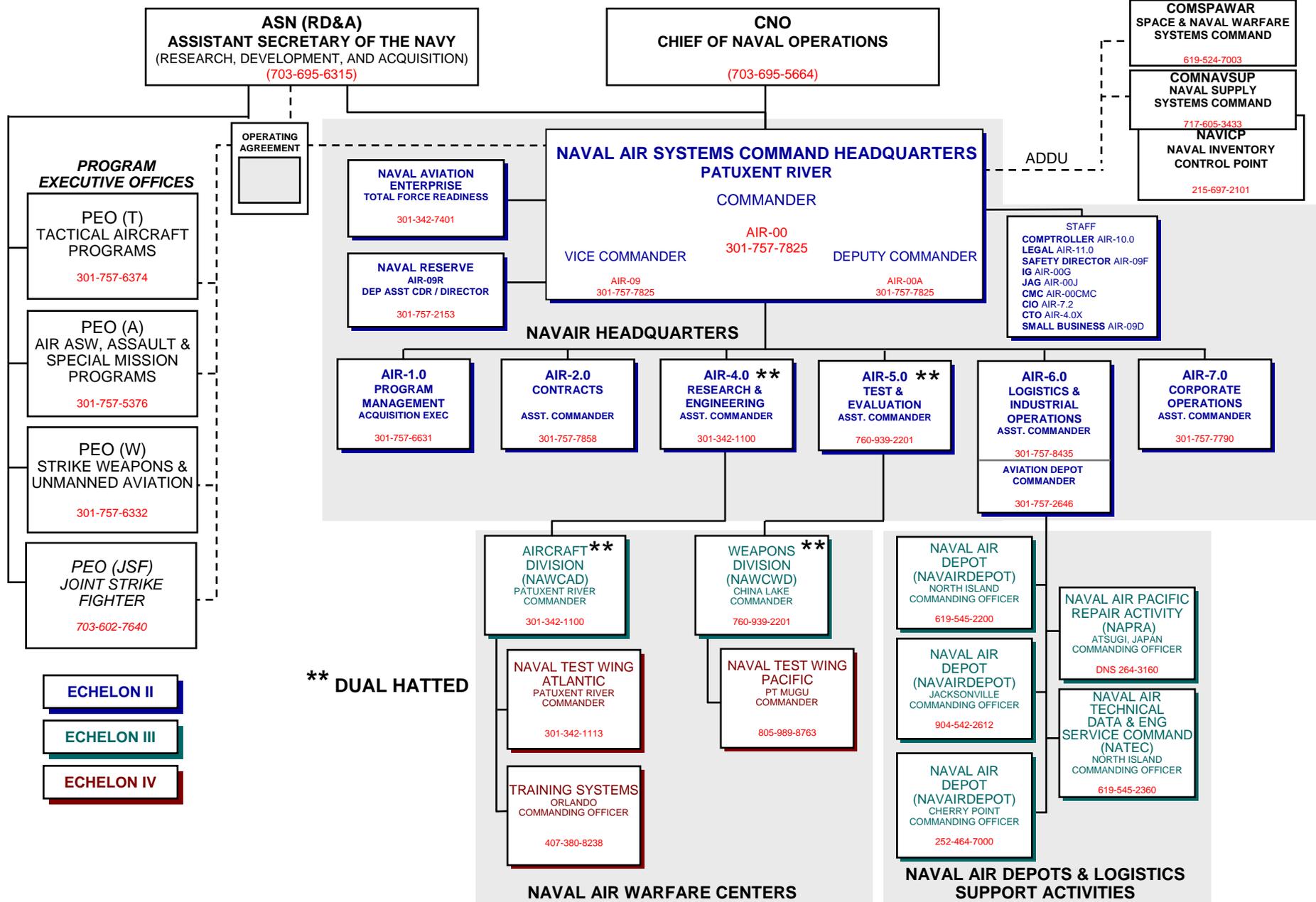
- . . . TO DEVELOP, ACQUIRE AND SUPPORT AIRCRAFT AND RELATED SYSTEMS WHICH CAN BE OPERATED AND SUSTAINED AT SEA**
- . . . TO WORK WITH INDUSTRY ON BEHALF OF THE USER TO DELIVER OUR PRODUCTS AND SERVICES**



COMPARATIVE SCALING
USS GEORGE WASHINGTON (CVN-73)
OVERLAID ON TYPICAL AIRFIELD RUNWAY
(12,000 FT.X150 FT)

COST-WISE READINESS, TODAY, TOMORROW, IN THE FUTURE

ORGANIZATIONAL STRUCTURE AND COMMAND LAYERS



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NAVAL AIR WARFARE CENTERS

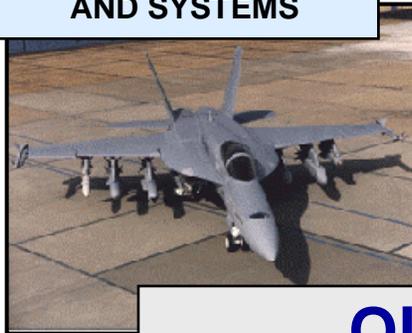
NAVAL AIR DEPOTS & LOGISTICS SUPPORT ACTIVITIES

OUR PRODUCTS . . .

AIR ASW / ASUW



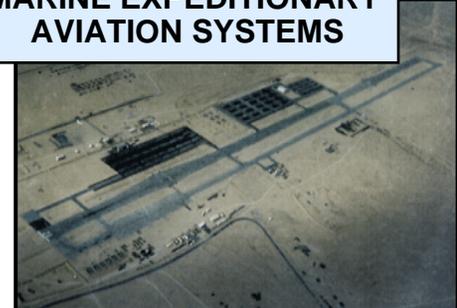
SEA BASED AIRCRAFT AND SYSTEMS



MARITIME WEAPONS



MARINE EXPEDITIONARY AVIATION SYSTEMS



AIRCREW / MAINTENANCE TRAINING SYSTEMS



OUR CORE PROCESSES . . .

WE EXECUTE (ON BEHALF OF THE WARFIGHTER)

ACQUISITION MANAGEMENT

PERFORM ACQUISITION MANAGEMENT FOR THE DEVELOPMENT, PRODUCTION, AND IN-SERVICE SUPPORT OF AIRCRAFT AND WEAPONS SYSTEMS

TEST AND EVALUATION

TEST AND EVALUATE AIRCRAFT, WEAPONS AND INTEGRATED SYSTEMS, SCIENCE AND TECHNOLOGY FOR TEST AND EVALUATION

REPAIR / MODIFICATION

PROVIDE FOR THE REPAIR AND / OR MODIFICATION OF AIRCRAFT, ENGINES, SYSTEMS AND COMPONENTS

IN-SERVICE ENGR & LOGISTICS SUPPORT

PROVIDE FOR IN-SERVICE ENGINEERING AND LOGISTICS SUPPORT

TECHNOLOGY, R&D, HW / SW PRODUCTS

CONDUCT EFFORTS FOCUSED ON THE ADVANCEMENT OF SCIENCE, TECHNOLOGY, RESEARCH AND DEVELOPMENT AND DELIVERY OF HARDWARE / SOFTWARE PRODUCTS

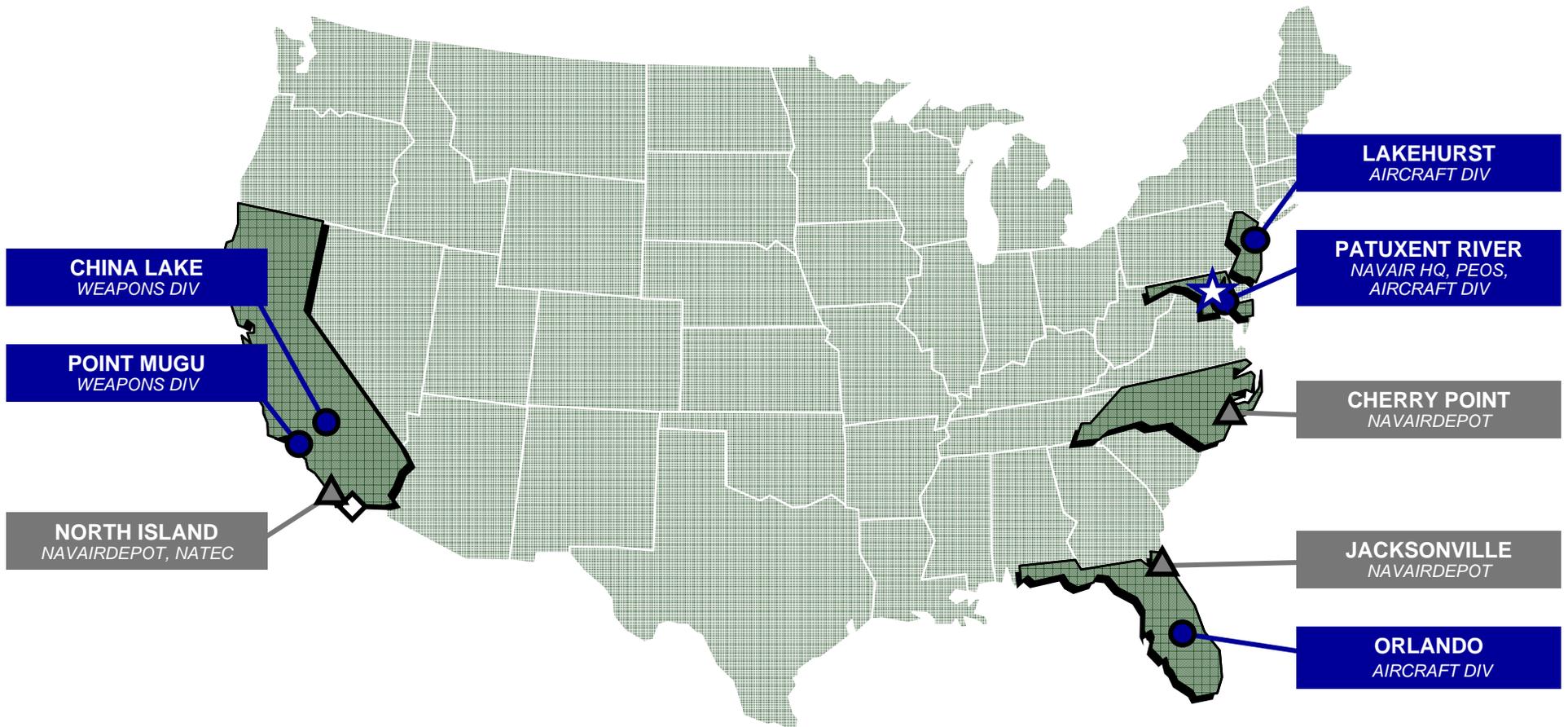
SUPPORT OPERATIONS

DEVELOP / MAINTAIN COMPETENCY POLICIES, PROCEDURES & SUPPORT SERVICES. FACILITATE EFFECTIVE UTILIZATION OF INFRASTRUCTURE, SECURITY, LEGAL, FINANCIAL, HUMAN & INFORMATION RESOURCES

PROGRAMS *

JOINT STRIKE FIGHTER	PEO(T) TACTICAL AIRCRAFT	PEO(A) AIR ASW, ASSAULT, & SPECIAL MISSION	PEO(W) STRIKE WEAPONS & UNMANNED AVIATION	NAVAIR AIR-1.0 COMMON & SUPPORT
<p>PROGRAM:</p> <ul style="list-style-type: none"> JOINT STRIKE FIGHTER 	<p>PROGRAM:</p> <ul style="list-style-type: none"> JOINT PRECISION APPROACH & LANDING SYSTEM (USAF LEAD) NAS MOD (USAF LEAD) MARK XIIA MODE 5 INTERROGATOR SYSTEM AN / UPX-29(V) C-2A GREYHOUND SLEP E-2C HAWKEYE REPRODUCTION (REPROD) E-2C ADVANCED HAWKEYE (AHE) E-2C MISSION COMPUTER UPGRADE (MCU) EA-6B PROWLER EA-6B ICAP-III EA-6B ALQ-99 LBT EA-6B ALQ-99 Band 9/10 EA-6B DFCS F/A-18A/B/C/D HORNET F/A-18E/F SUPER HORNET F/A-18 APG-79 ACTIVE ELECTRONICALLY SCANNED ARRAY (AESA) RADAR F/A-18 AIRBORNE TACTICAL RECONAISSANCE SYSTEM (ATARS) F/A-18 SHARED RECON POD (SHARP) F/A-18 ADVANCED TACTICAL FLIR (ATFLIR) ALR-67(V)3 ADVANCED SPECIAL RECEIVER (ASR) EA-18G AIRBORNE ELECTRONIC ATTACK APG-73 RUG PHASE II INTEGRATED DEFENSIVE ELECTRONIC COUNTERMEASURES (IDECM) ALR-67(V)2 COUNTERMEASURES WARNING AND CONTROL SYSTEM AAR-47 MISSILE WARNING SYSTEM APR-39AV2 RADAR DETECTION SYSTEM 	<p>PROGRAM:</p> <ul style="list-style-type: none"> AV-8B HARRIER REMAN AV-8B WEAPON SYS MODS AV-8B OPEN SYS CORE AVIONICS RQMTS (OSCAR) H-53 HELICOPTERS MODS CH-53K CH-53D SEA STALLION CH/MH-53E SUPER SEA STALLION HELO INTEGRATED MECHANICAL DIAGNOSTICS SYSTEM (IMDS) EXECUTIVE TRANSPORT HELICOPTERS (VH-71A, VH-3, VH-60) AIR ASW SYSTEMS SONOBUOYS AND SENSORS E-6A/B MERCURY E-6 AIRBORNE STRATEGIC COMMUNICATIONS JPATS (T-6A TEXAN II) T-45 GOSHAWK TRAINING SYSTEM T-44 T-34 T-2 TH-57 T-39 TC-12 MV-22, CV-22 AH-1W SUPER COBRA UH-1N HUEY USMC H-1 UPGRADES (AH-1Z, UH-1Y) EP-3E ARIES II P-3C ORION S-3B VIKING P-8A MARITIME MULTI-MISSION AIRCRAFT (MMA) AERIAL COMMON SENSOR (ACS) MH-60S MH-60S AIRBORNE MINE COUNTERMEASURES (AMCM) HH-60H SH-60B/F SEAHAWK SH-60B ARMED HELO MH-60R 	<p>PROGRAM:</p> <ul style="list-style-type: none"> JOINT DIRECT ATTACK MUNITION JOINT STANDOFF WEAPON CARTRIDGE ACTUATED DEVICE / PROPELLANT ACTUATED DEVICE STANDOFF LAND ATTACK MISSILE STANDOFF LAND ATTACK MISSILE-EXPANDED RESPONSE HARPOON PAVEWAY NAVY TARGETS AND DECOY SYSTEMS SUPERSONIC TARGETS SUBSONIC TARGETS ADVANCED ANTI-RADIATION GUIDED MISSILE HIGH SPEED ANTI-RADIATION MISSILE HELLFIRE GENERAL PURPOSE BOMBS (MK82, MK83, MK84) PRACTICE BOMBS ROCKETS (2.75 AND 5 INCH) ROCKET MOTORS (JATO) PENGUIN TOW MAVERICK AIR TO AIR MISSILE SYSTEMS AIM-9X SIDEWINDER AIM-120 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) PIONEER UNMANNED AERIAL VEHICLES VERTICAL TAKEOFF AND LANDING TACTICAL UNMANNED AERIAL VEHICLES SMALL UAVS UAV TACTICAL CONTROL SYSTEMS GLOBAL HAWK MARITIME DEMONSTRATION (GHMD) BROAD AREA MARITIME SURVEILLANCE (BAMS) TOMAHAWK CRUISE MISSILE TOMAHAWK THEATER MISSION PLANNING CENTER AFLOAT PLANNING SYSTEM TOMAHAWK WEAPON CONTROL SYSTEM ADVANCED TOMAHAWK WEAPON CONTROL SYSTEM TACTICAL TOMAHAWK WEAPON CONTROL SYSTEMS STRIKE PLANNING & EXECUTION SYSTEMS 	<p>PROGRAM:</p> <ul style="list-style-type: none"> COMMON EJECTION SEAT (NACES) JT PROTECTIVE AIRCREW ENSEMBLE (JPACE) (JPEO-CBD LEAD) JT HELMET MOUNTED CUEING SYS (USAF LEAD) AVIATION TRAINING SYSTEMS TACTICAL TRAINING RANGES KC-130J COMMERCIAL DERIVATIVE AIRCRAFT ADVANCED MISSION COMPUTER & DISPLAYS COMMON NAVIGATION SURVEILLANCE / AIR TRAFFIC MANAGEMENT COMBO RADIO (AN / ARC-210) TACTICAL A/C MOVING MAP CAPABILITY EMBEDDED GPS INERTIAL NAV SYS (EGI) H-46 ADVANCED ARRESTING GEAR ELECTROMAGNETIC A/C LAUNCH SYSTEM CONSOLIDATED AUTOMATED SUPPORT SYSTEM COMBAT SURVIVOR EVADER LOCATOR (CSEL) NAVY AIR NAVIGATION WARFARE (NAVWAR) <p>IN ADDITION:</p> <ul style="list-style-type: none"> 28 ACAT IVs 54 AAPs

NAVAIR MAJOR SITES



★ NAVAIR HQ ● NAVAL AIR WARFARE CENTER
▲ NAVAL AIR DEPOT ◇ LOGISTIC SUPPORT ACTIVITY

▲ NAPRA – ATSUGI, JAPAN

INTEGRATED CONCEPT OF OPERATIONS FOR LIFE CYCLE SYSTEMS MANAGEMENT

INTEGRATED PROGRAM TEAMS (TEAM STRUCTURE TO PERFORM WORK)

- MULTI-DISCIPLINED
- FLEET / PRODUCT FOCUSED
- FULL LIFE CYCLE SYSTEM SUPPORT

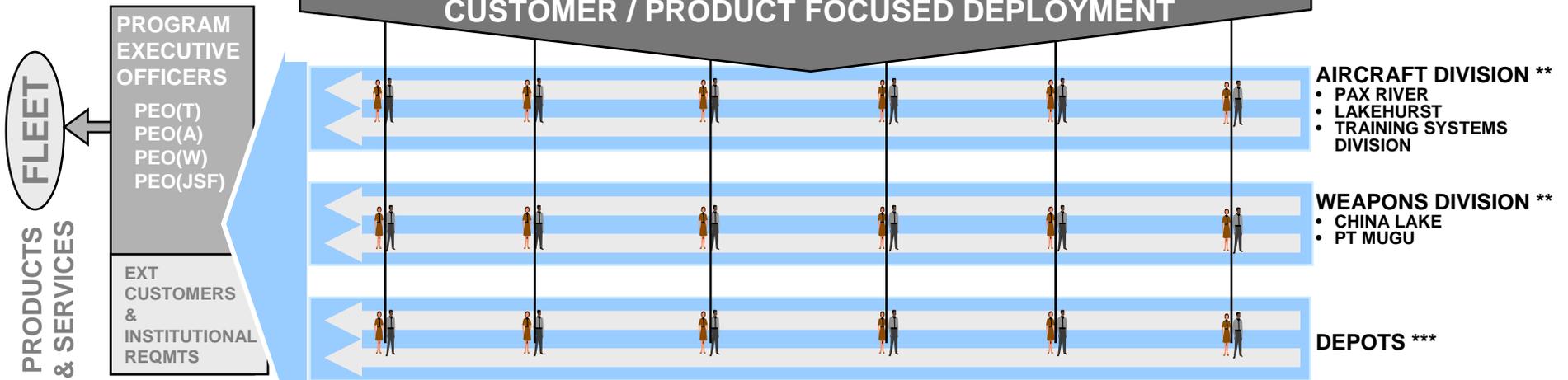
DEMAND



COMPETENCY ALIGNED ORGANIZATION (FORMAL STRUCTURE)

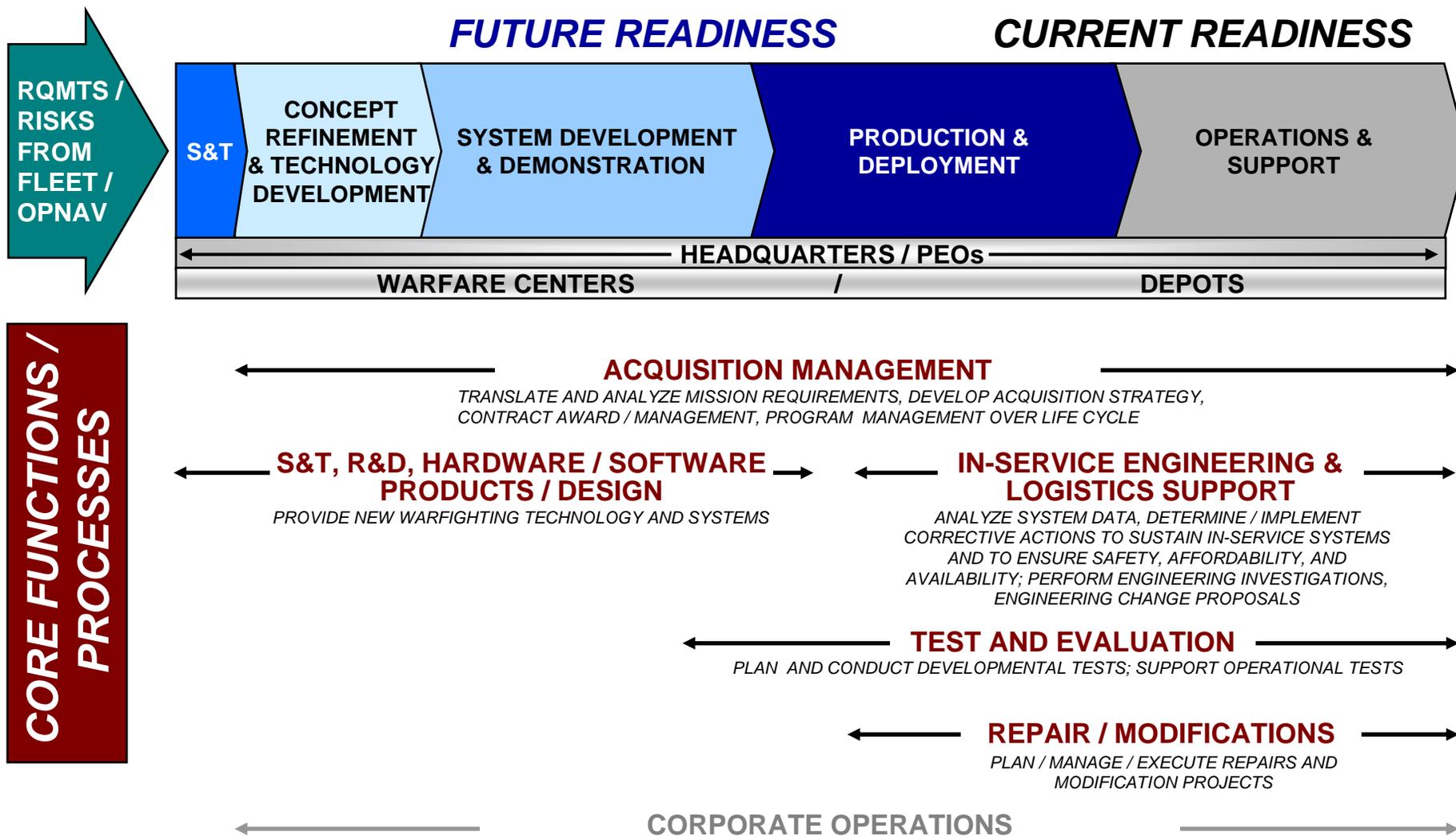
- COMPETENCIES SPAN ALL SITES
- LINKED BY COMMON ALIGNMENT & PROCESSES
- CAPABILITY / ASSET VISIBILITY

SUPPLY



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*** DEPOTS DIRECT REPORT TO AIR-6.0

VALUE STREAM LIFE CYCLE MANAGEMENT



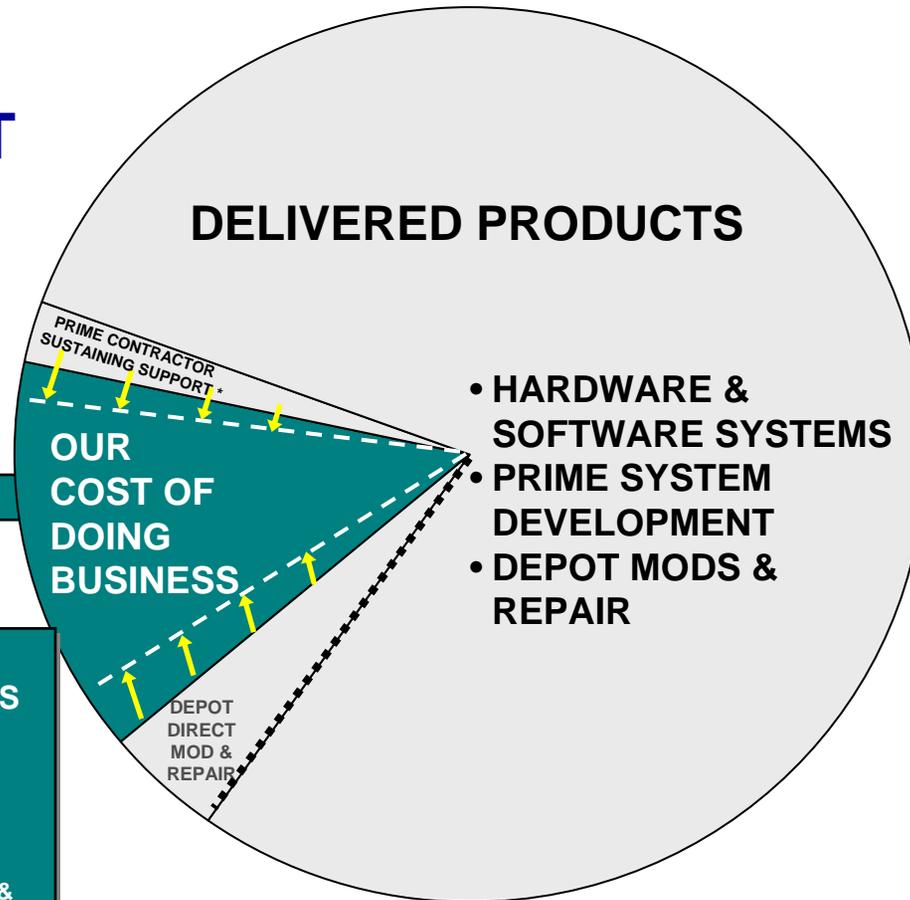
OUR OBJECTIVES AND ACCOUNTABILITIES

RETURN ON RESOURCES

REDUCE COST OF DOING BUSINESS

- RETURN SAVINGS TO NAVY

- INCLUDES ALL ORGANIC LABOR & MATERIAL COSTS
 - HQ / PEO SALARY & SUPPORT
 - NAVAL AIR WARFARE CENTERS (NAWCs)
 - DEPOTS (LESS DIRECT MOD & REPAIR)
- ALL CSS



MAXIMIZE VALUE

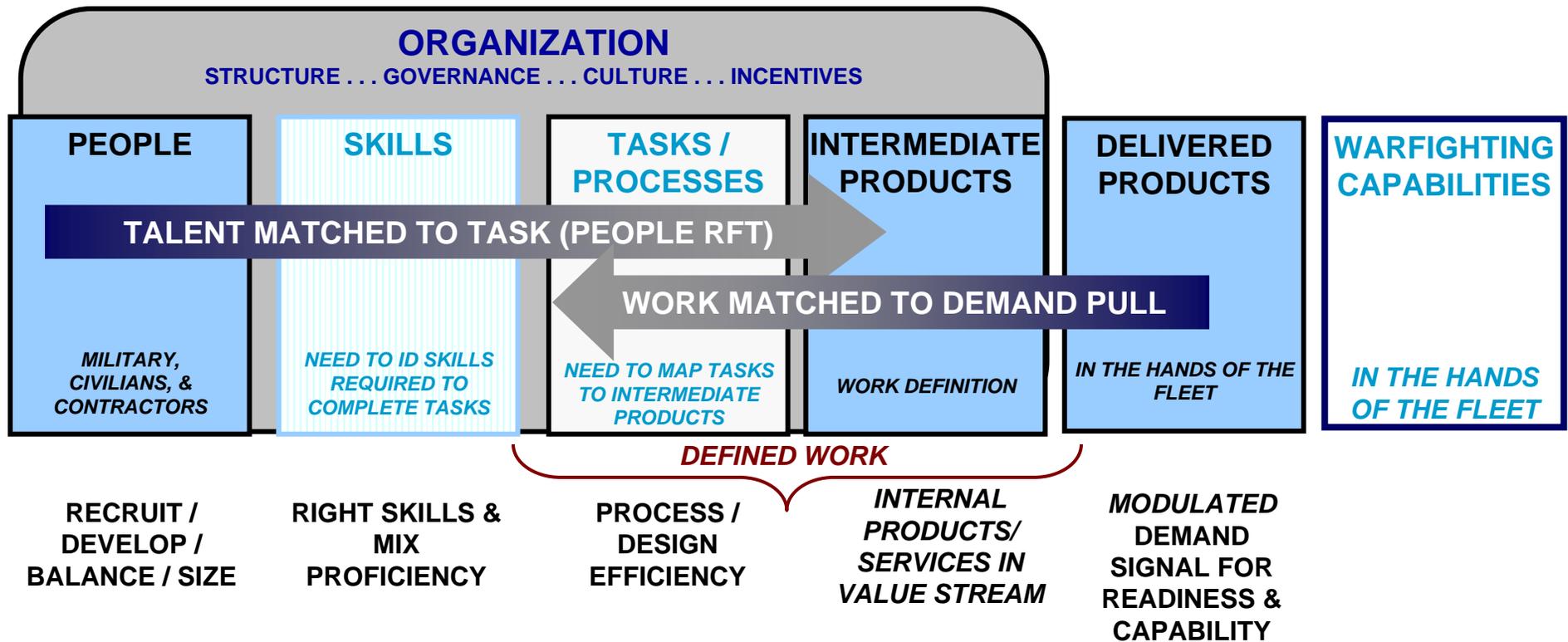
- INCREASE THE SHARE OF RESOURCES PROVIDING TANGIBLE CAPABILITIES TO THE WARFIGHTER
- MAXIMIZE VALUE FOR EVERY DOLLAR SPENT

* PRIME CONTRACTOR SUSTAINING SUPPORT
 EXAMPLES INCLUDE PRODUCTION LINE SUPPORT, ECPs, AND FLEET SUPPORT

BALANCE PRODUCTS, COST, AND RISK

ALIGNING WORKFORCE TO WARFIGHTING CAPABILITY MATCHING TALENT TO TASK

LINKING PEOPLE TO CAPABILITIES



Provide a Total Naval Workforce Capable and Optimized to Support the National Defense Strategy FY07 DON Objectives

NEED FOR SUPPLIER DIVERSITY

- **STRATEGIC PLANS PLACE VALUE ON INNOVATION, INGENUITY AND EFFICIENCY**
- **WORLD OF DIVERSE AND DYNAMIC THREATS**
- **FUTURE MORE DIFFICULT TO PREDICT WITH PRECISION**
- **REQUIREMENT FOR RAPID REACTION TO ADVANCES FROM POTENTIAL ADVERSARIES**
- **NEED FOR RAPID TECHNOLOGY DEPLOYMENT**

Small Businesses are Agile and Innovative