Navy Enterprise Resource Planning (ERP)

27 October 2004

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Briefing Outline

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  - Scope of Navy ERP Systems
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  - Scope Of Navy ERP Templates
- MARITIME SOLUTION
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Evolution of Navy ERP

Efforts That Established Mission Need

Mandate

- Revolution In Business Affairs & JV 2020 Vision
- Commercial Best Practices (CBP) ESG established
- Give priority to investments that will cut our operating or business costs, such as Enterprise Resource Planning (ERP)

Pilots

- Pilots established 1998
- Directed use of commercial approach
- Goals:
  - Standardize DoN processes
  - Provide an Integrated Enterprise solution that seamlessly supports end-to-end capability
  - Demonstrate ability to provide accurate, consistent, timely financial information from a single source
  - Manage and track cost drivers

One Navy Solution

- ASN (RDA) directed convergence of Navy ERP Pilots
- CNO & SECNAV declared support for Convergence to proceed
- Navy ERP PMO Established
- Requirements letter signed by ASN (RD&A) and N4
- Operational Requirements Document Development Initiated

ERP Enables The Navy To Realize Leadership Vision

Scope Of Navy ERP Systems

Pilot	Sponsor	Area(s) of Focus	# of Geographic Sites	# of Users	Stand-Up Date
SIGMA	NAVAIR	Program Management, including linkage among Contracting, Financial, and Workforce Management	5	6200	Oct 02
			4	14300	Jan 03
CABRILLO	SPAWAR	Warfare Center Management	5	3500	Jul 01
SMART	NAVSUP	National & Local Supply Management, Intermediate-Level Maintenance Management Interface to Aviation Depots	4	440	Jan 03
NEMAIS	NAVSEA / FFC	Regional Maintenance, including Intermediate-Level Maintenance Management, Project Systems, and Workforce Management	3	5400	Jun 02 – Nov 03
			2	4500	FY 04/05

What The Pilots Proved

- **ERP can be used to:**
  - Operate and manage a major Echelon 2 acquisition command and Echelon 3 subordinate commands (PM, Workforce Management, FM, Procurement)
  - Integrate Maintenance and Supply in performance of aviation and ship maintenance, provide visibility of resources across activities and optimize supply chain management
  - Validate compliance with the CFO Act and provide significant reductions in legacy IT and data base systems with resultant cost reductions and data quality / timeliness benefits

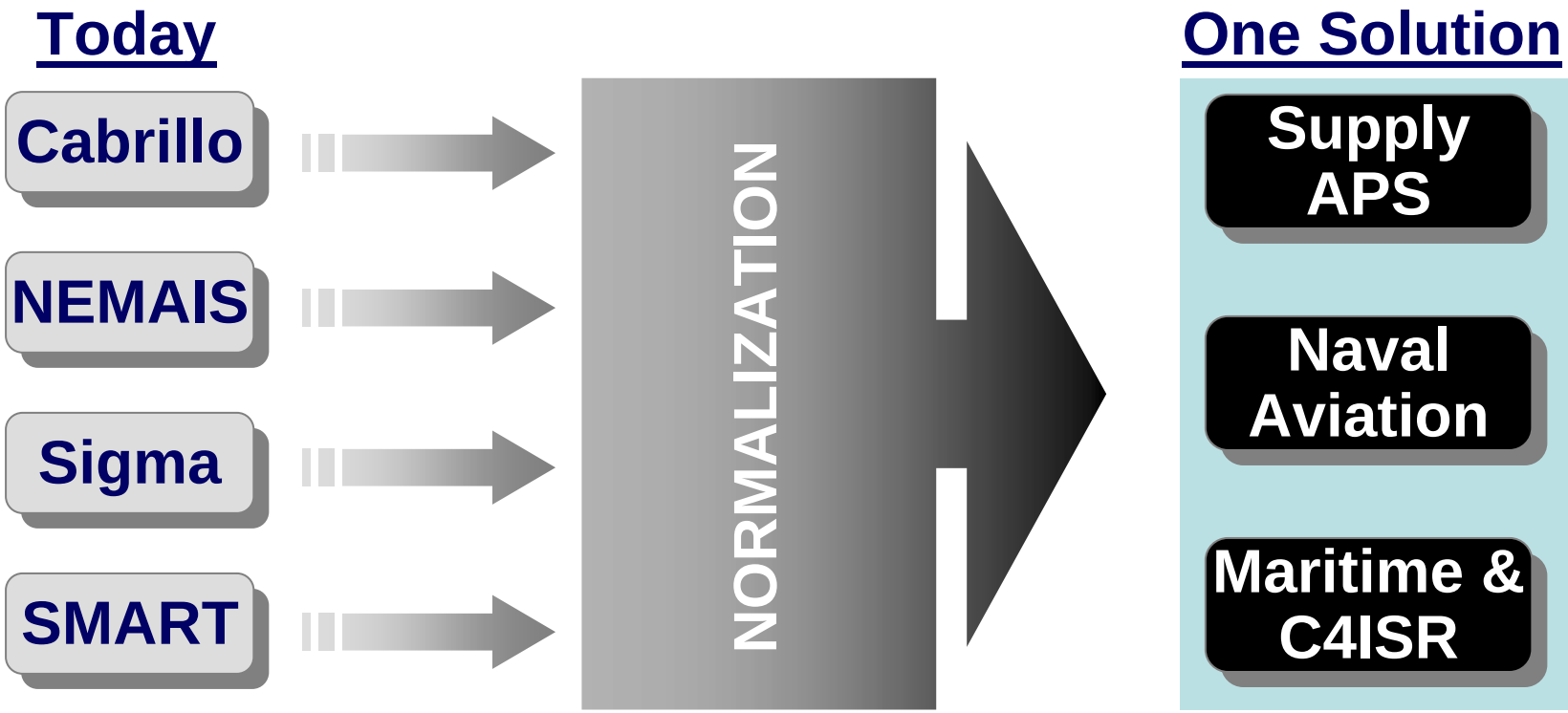
No Longer A Question Of "Can We?"

One Program With One Mission

- Navy ERP Mission
  - To reinvent and standardize Navy business processes for acquisition, financial and logistics operations
- Program's Key Objectives
  - Build an integrated financial system
  - Optimize end-to-end value chains across functional and organizational boundaries
  - Collapse the pilot programs to produce a single product for the Navy
  - Maximize ROI through effective deployments and sequencing of functionality

Convergence Strategy

Common Solutions Centrally Developed & Managed – Drives Process & Data Standardization



Global Accelerated SAP Approach:

- Recommended by industry and SAP for Large Global Organizations
- Allows development of solution for Navy ERP that has both common (global and locally development components)

Scope of Navy ERP Templates

Template 1.0

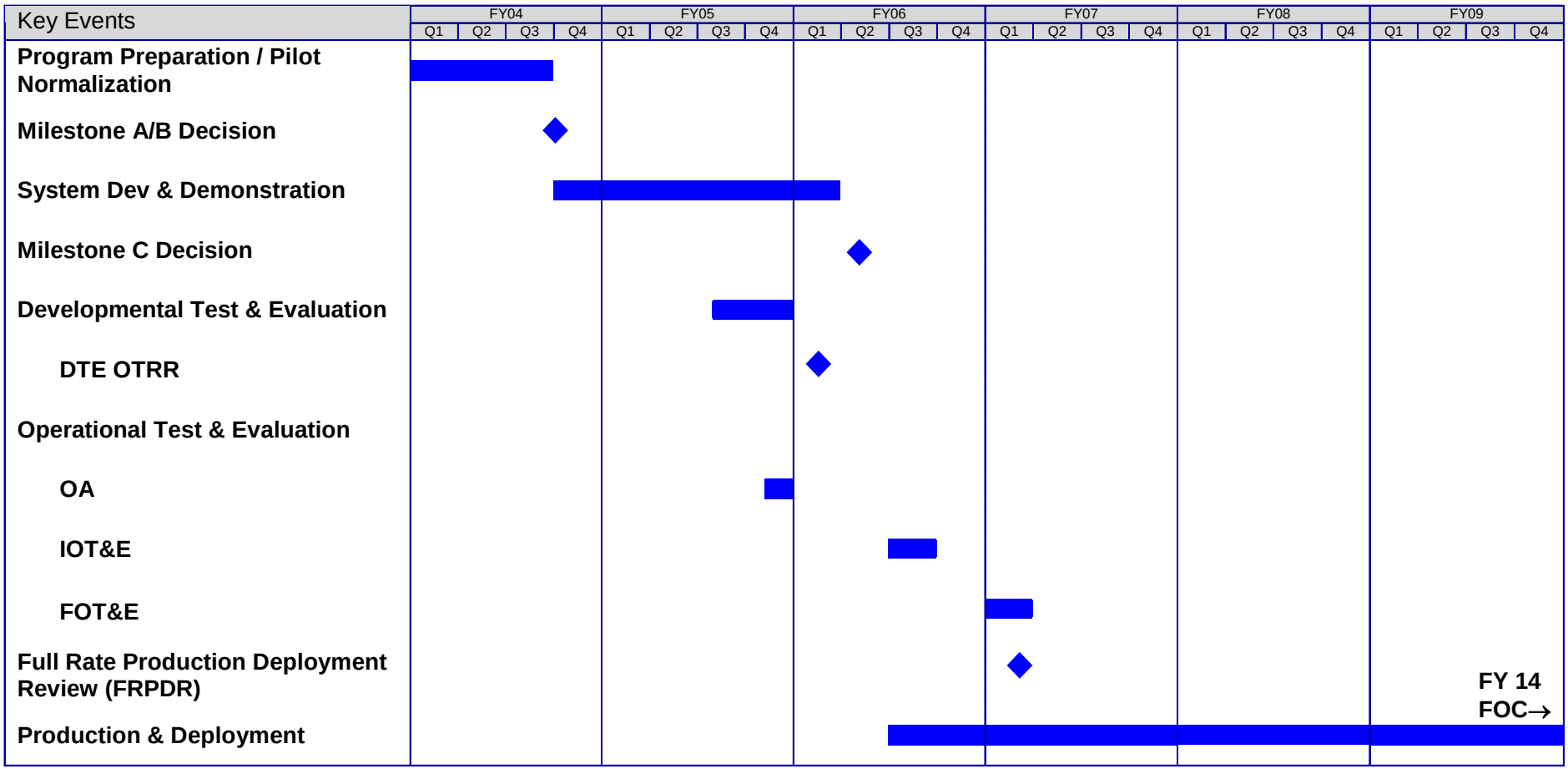
- Finance
- Program Management
- Workforce Management
- Wide Area Work Flow (Interface)
- Defense Travel System (Interface)
- I-Level Maintenance
- Plant Supply
- Wholesale Supply / APS

Potential Future Requirements

- Afloat Solution
- Weapon System Asset Management
- O-Level Maintenance
- Depot Level Maintenance (Aviation & Maritime)

Spiral Development Driven by Operational Realities and the Business Case

Program Schedule



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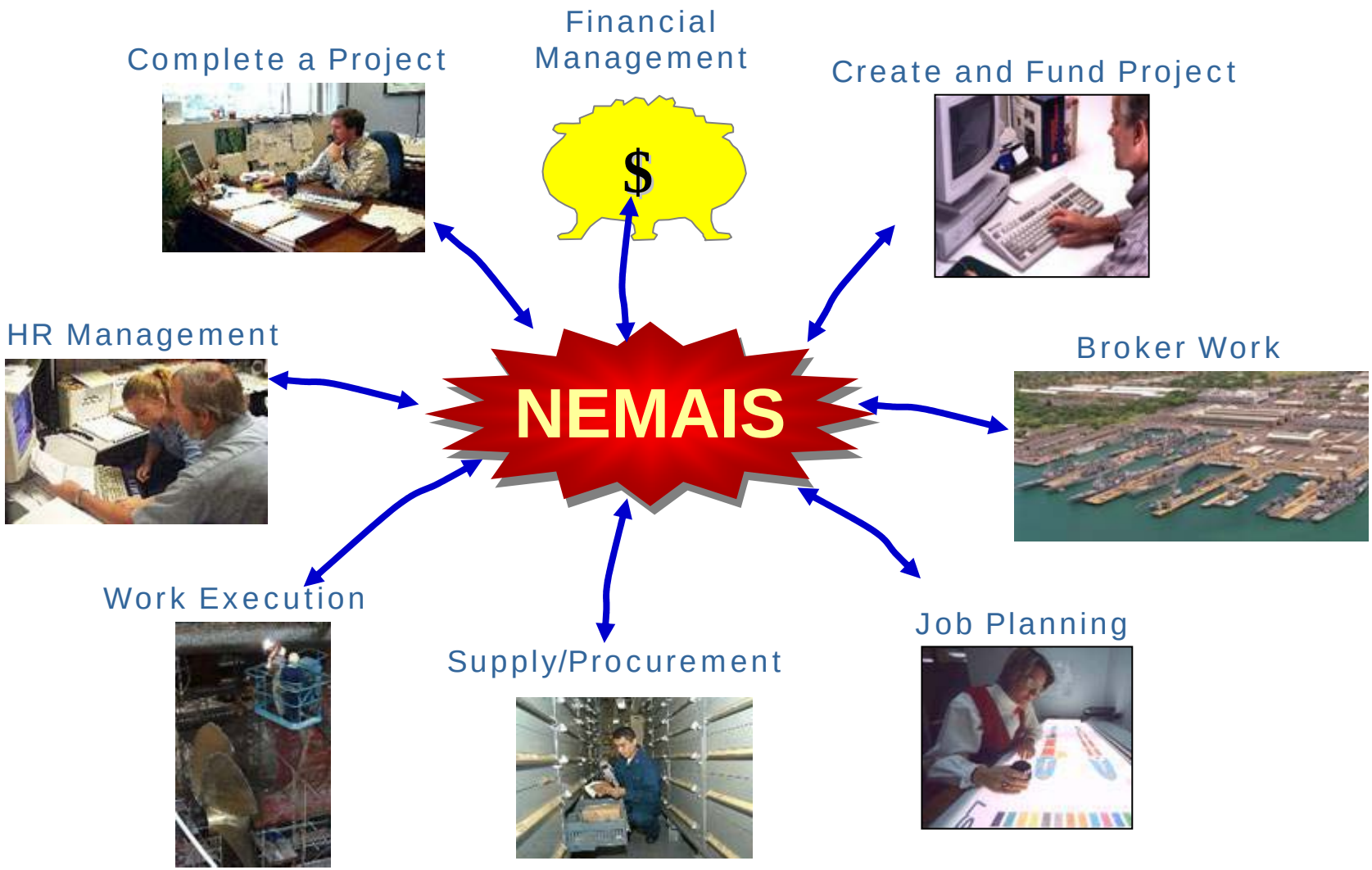
MARITIME SOLUTION

NEMAIS

NEMAIS Functionality Overview

- **Financial Management**
  - ✓ Financial/Budgeting
  - ✓ Managerial Acct
  - ✓ Financial Acct
    (Includes OPTAR Fin Mgt)
- **Program Management**
  - ✓ Program / Proj Mgt
  - ✓ Planning, Prog & Budgeting
- **Human Resources Management**
  - ✓ Workforce Planning & Admin
  - ✓ Training & Development
  - ✓ Time & Attendance
  - ✓ Organization Mgt
- **I-Level Maintenance**
  - ✓ Notification Generation
  - ✓ Maintenance Planning (Shop)
  - ✓ Maintenance Control
  - ✓ Work Planning & Prep
  - ✓ Material Rqmts Planning (MRP)
  - ✓ Maintenance Execution
  - ✓ Inspection & QA
  - ✓ Maintenance Completion
  - ✓ Configuration Mgt
  - ✓ Scheduling
  - ✓ Content Management
  - ✓ Work Load Forecasting
- **Plant Supply**
  - ✓ Requisition Processing
  - ✓ Inventory Management
  - ✓ Material Rqmts Planning (MRP)
  - ✓ HAZMAT Management
  - ✓ Non-Std Procurement
  - ✓ Asset Management (Plant Property)

NEMAIS Functionality



NEMAIS Status as of 20 Oct '04

Flt.Comptroller — **Provide Repair Activity $** — FM

397 *Ships in SAP (includes Navy and Non-Navy)*

RBO — **Create a Project** — PS

381 *Active (Budgeted) Projects*

RBO — **Broker Work** — PS

104,461 *Jobs Inducted*

RBO/ Comptroller — **Fund & Release Project** — FM/PS

SIMA:
Planner/Engineer
Project Manager
Scheduler

Job Planning
- •Procedures
- •Materials
- •Schedule

PS/PM

20,329 *Brokered & Working*

Supply — **Supply/Procurement** — MM

Shop Supervisor/ Project Manager — **Work Execution** — PM

84,132 *Jobs Completed*

Supervisor Timekeeper — **Time-Keeping** — HR

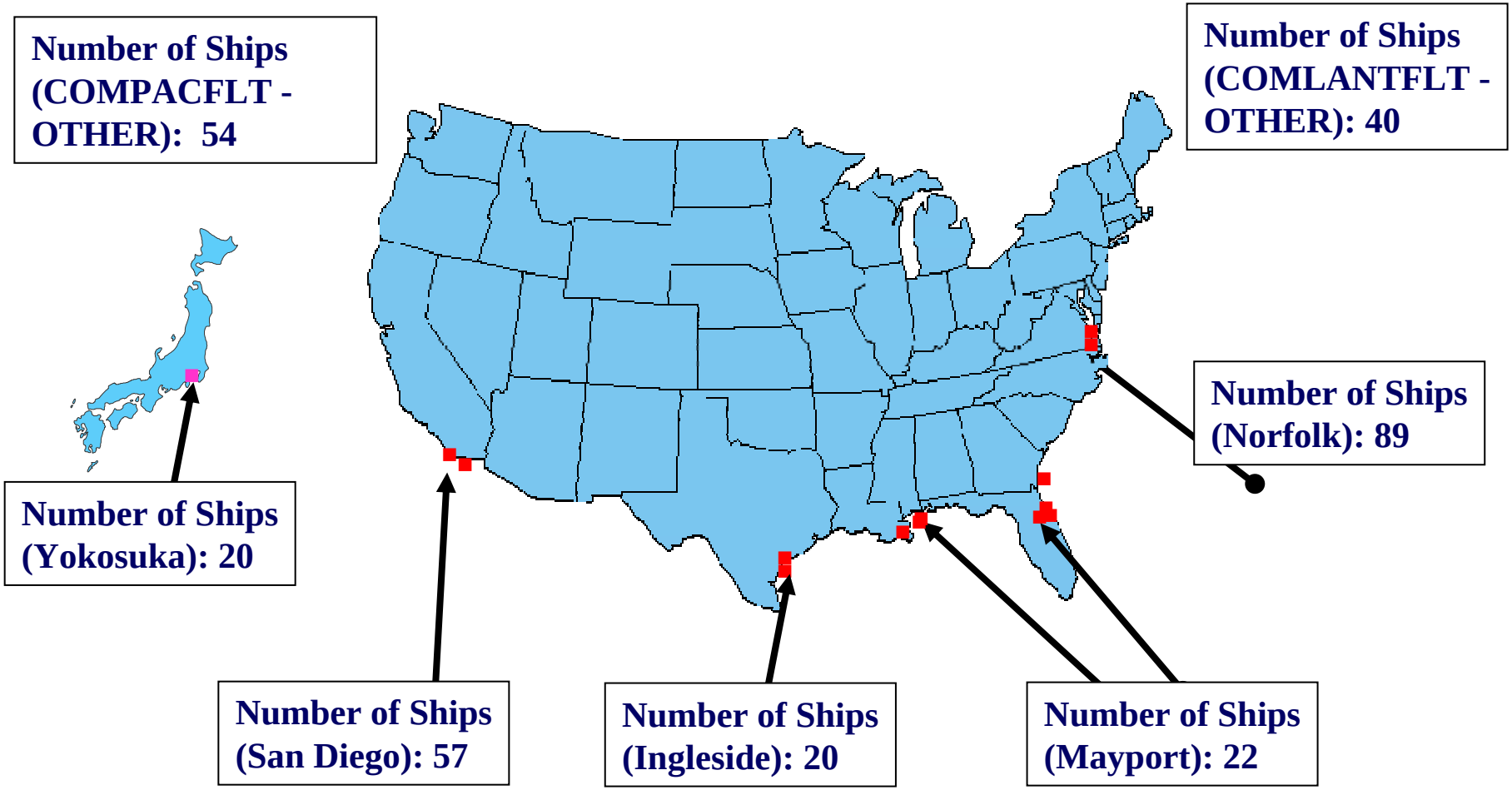
AMDCO/Project Manager

Close-Out Project
- •Technical Close
- •Business Close

PS/PM/FM/HR

72 *Projects Closed*

Geographic Rollout Scope



Summary

- NEMAIS and ERP will be the organizing force for all ship maintenance
  - Aligned with leadership goals and objectives
  - Harmonizes processes across the enterprise
  - Provides fundamental data for decision makers at all levels
- Navy Pilots have proven COTS implementation in a DoD environment
- Baselining complete / Pilot Interoperability phase on schedule
- Navy ERP maximizes efficiency of war-fighter business processes to support critical decision making
  - Integrated solution
  - Aligns with external architectures
  - Common data and business processes
  - A lean architecture