Department of the Navy
Integrated Digital Environment (IDE) Plan

Presented by

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www.peoarbs.navy.mil

Purpose

- **Provide the Navy acquisition community an update on this initiative prior to the Navy's periodic status brief to USD(A&T)**

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What is IDE?

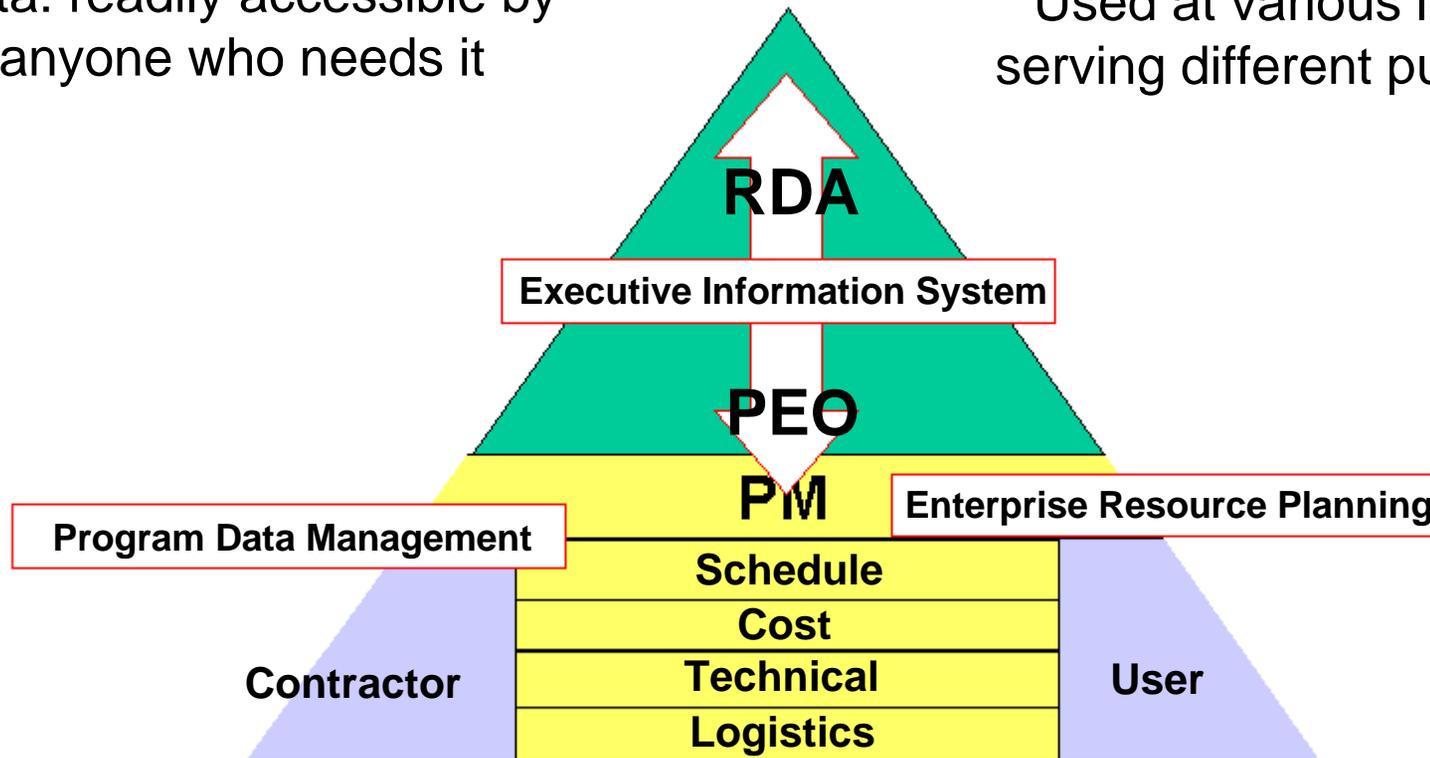A cross-functional integrated digital information infrastructure that supports a DoD acquisition program

Stakeholders

- Fleet
- Financial
- C3I
- Acquisition Mgt.
- Other Program Offices
- OPNAV/USMC Sponsors
- Contracts
- ILS
- Other DON Activities
- Construction
- Product
- Cost Estimating
- Vendors
- Procurement
- Test and Evaluation
- Industry
- Trading Partners
- Design
- Research and Development

PM Processes

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Another View

Data: readily accessible by anyone who needs it

Used at various levels; serving different purposes

RDA

Executive Information System

PEO

PM

Program Data Management

Enterprise Resource Planning

Schedule

Cost

Technical

Logistics

Contractor

User

Definitions of IDE Levels

- **Physical Exchange of Data**

- **Electronic Delivery of Data**

- **Shared Databases**

- **Local Workflow**

- **Integrated Workflow**

- **Target IDE**

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IDE Components

- **Processes**
  - **Acquisition Management**
  - **Financial Management**
  - **Procurement Planning & Contract Management**
  - **Engineering Management**
  - **Production Management**
  - **Test and Evaluation Management**
  - **Logistics Management**

- **Tools**
  - **Collaborative Tools**
  - **Document Management**
  - **Workflow Management**
  - **Project Management Tools**
  - **Data Bases**
  - **Stand-Alone Applications**
  - **Office Applications**
  - **Modeling, Simulation, and CAE/CAD/CAM**
  - **Video Teleconferencing**
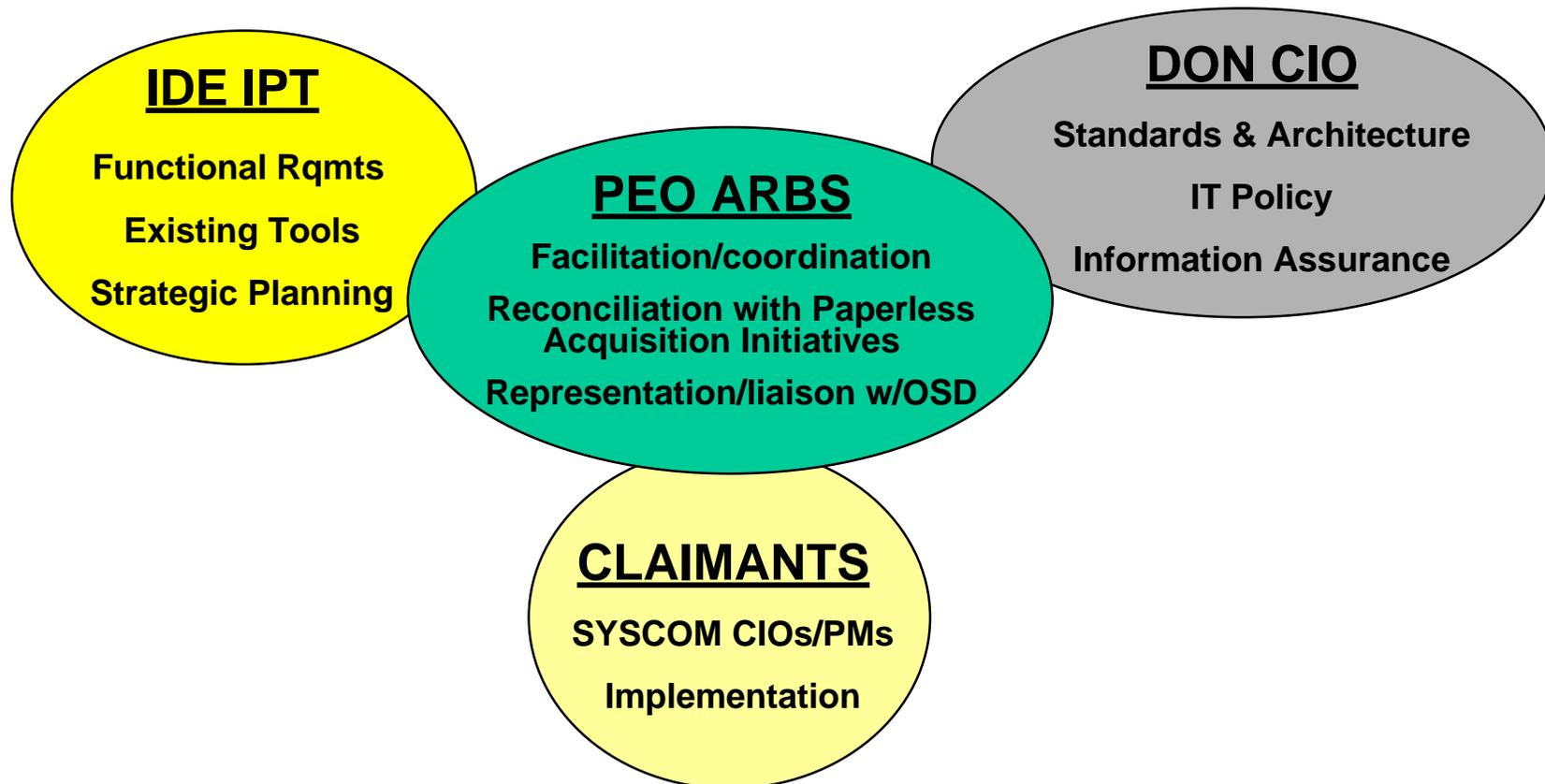 - **Action Item Trackers**

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Why IDE?

- **Directed**
  - DEPSECDEF (Dr. White) directed implementation (end of 2002)
  - **DOD 5000.2-R**
    - "The PM shall be responsible for establishing a data management system and appropriate IDE . . ."

- **Ability to do more with less; "It makes sense"**
  - Great potential for reducing Total Ownership Cost
  - Increase process and product coordination
  - Reduce redundancy in workload
  - Reduce manpower associated with status reporting

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Current DON IDE Roles

IDE IPT

Functional Rqmts

Existing Tools

Strategic Planning

DON CIO

Standards & Architecture

IT Policy

Information Assurance

PEO ARBS

Facilitation/coordination

Reconciliation with Paperless
Acquisition Initiatives

Representation/liaison w/OSD

CLAIMANTS

SYSCOM CIOs/PMs

Implementation

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Other Services' IDE Mgmt

- **Army**
  - **ASA (RDA)**
    - **CIO and IPT support**

- **Air Force**
  - **SAF/AQ**
    - **CIO and Installation and Logistics support**

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Last Gansler Meeting (Jan-98)

- **Navy approach**
  - Concentrate first on Paperless Contracting (MRM #2)
  - Fill in the voids under the IDE initiative

- **Rationale**
  - Paperless Contracting goal to modernize selected acquisition processes by 1 January 2000
  - IDE addresses all aspects of the acquisition process

- **Direction to Navy**
  - Get started now on IDE
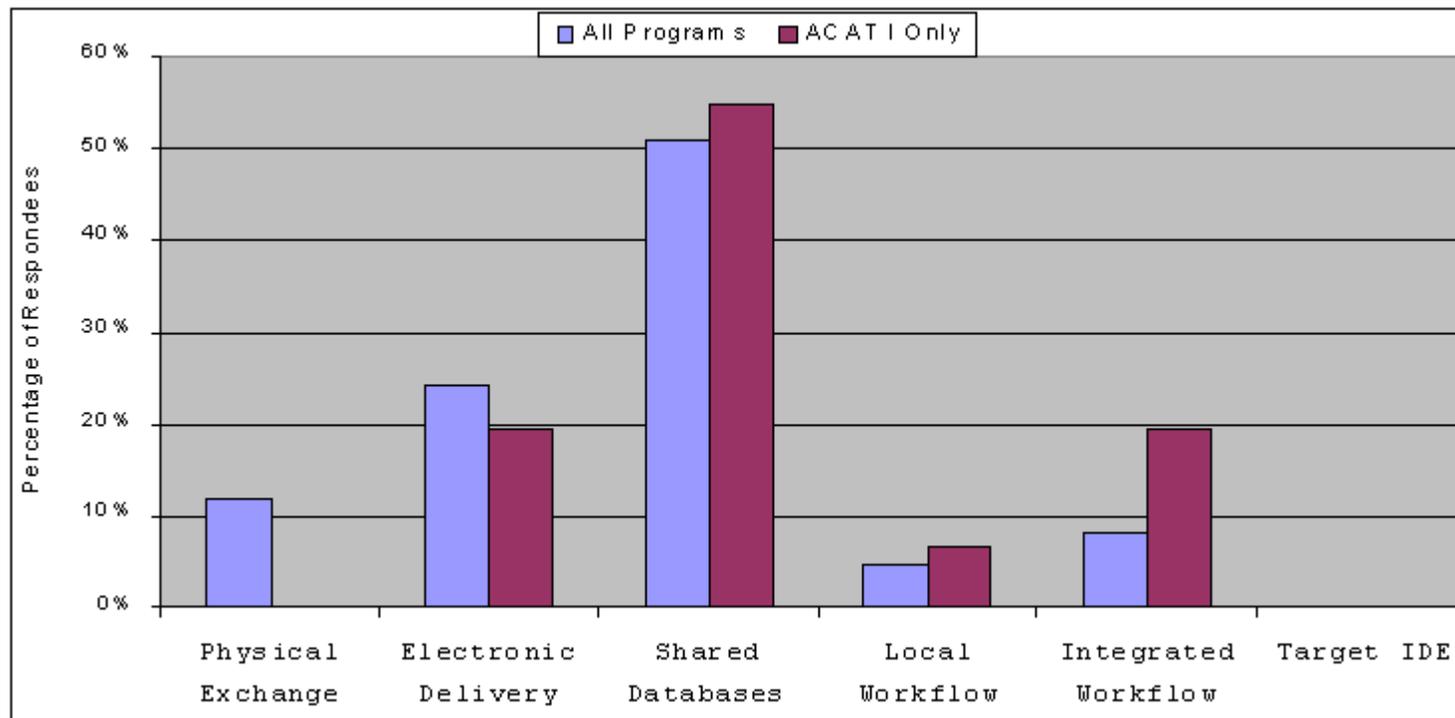 - Explore CMS-AAAV PMO interoperability

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Accomplishments

- **Paperless Contracting - a significant subset of IDE**
  - **Navy Plan developed**
  - **56 initiatives (12 Enterprise wide)**
  - **Fully funded (at ~ $196 million)**
  - **1 Jan 2000 deadline**

- **Integrated Digital Environment**
  - **Formed DON IDE Integrated Product Team**
  - **Completed survey of DON ACAT programs - May 98**
  - **Developed approach; detailed plan & schedule in process**
  - **Established DON IDE Web Site**
    - **www.peoarbs.navy.mil/ea21/ide/idedefault.htm**
    - **Share data and lessons learned with PMs**

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DON "Baseline" IDE

Good Sample Size:
- 145 of 424 DON active ACAT programs
- 31 of 49 DON active ACAT I programs
- Widespread responses; minimal to detailed

Conclusions:
- Majority at lower levels of IDE
- ACAT I programs slightly ahead
- DON IDE mirrors industry

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Current Status

- **IDEs pursued individually by PMs/PEOs**
- **BUT...**
  - **No common, enforced standards**
  - **No "game plan" for requirements and objectives for integrating a digital environment**
- **PMs looking for assistance**
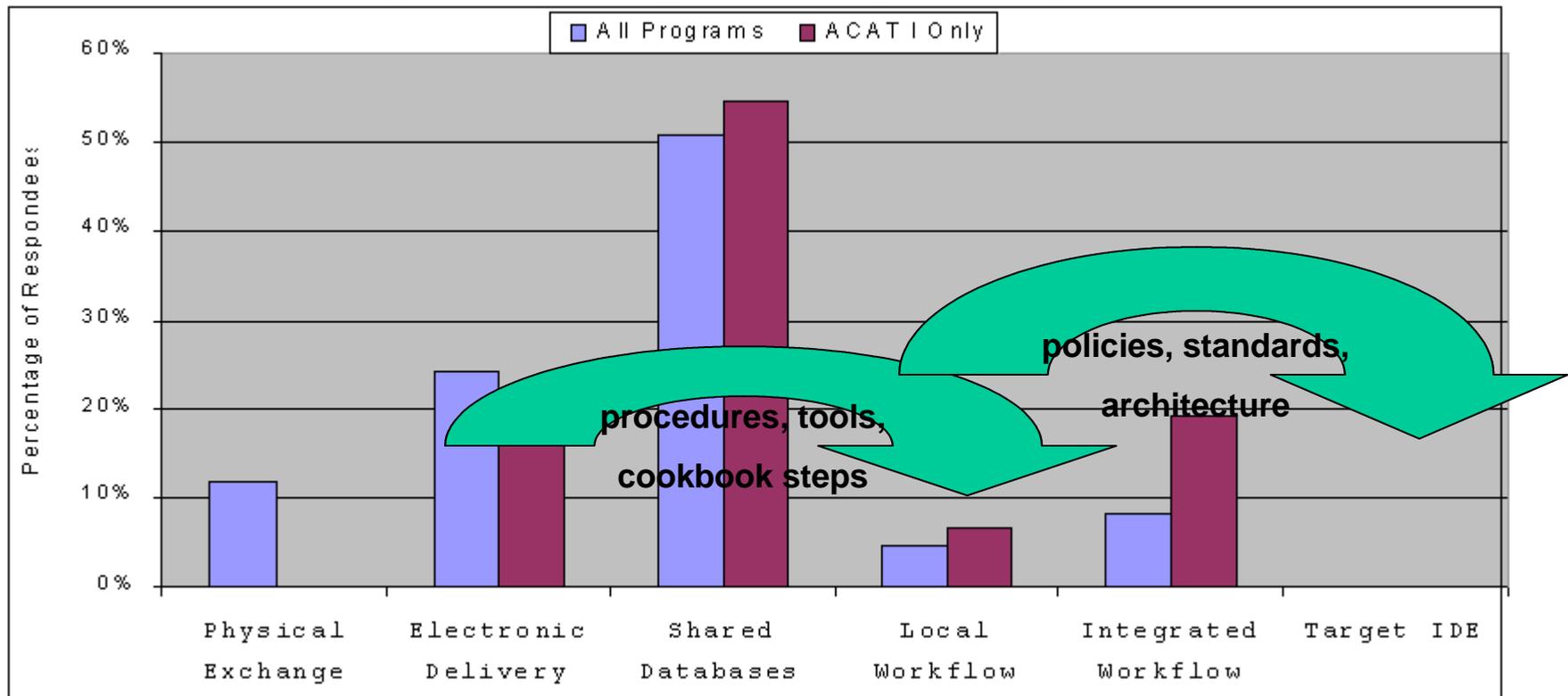
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What is Needed?

- **A coordinated effort with strong, high-level support; including:**
  - **Policies that support IDE**
  - **DON IDE Architecture**

- **PMs need:**
  - **common understanding of the tools available**
  - **common set of procedures**

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DON IDE Approach

Migration Strategy in two steps:

- **Near-term: Bring PMOs up to Local Workflow**

  •**Long-term: Bring PMOs up to Target IDE**

Implementation Schedule

ID	Task Name
1	Create Baseline
2	Initial Process Mapping
3	Benchmark
4	**Near-Term (2000)**
5	Define Minimum IDE Level
6	PEO's Implementation Plans
7	PM's Implementation Plans
8	PEO/PM's Implement
9	**Long-Term (2002)**
10	Define Target Environment
11	PEO's Implementation Plans
12	PM's Implementation Plans
13	PEO/PM Implement
14	**Awareness**
15	Develop Web Site
16	Populate/Update Web Site
17	**Metrics**
18	Develop Near-Term Metrics
19	Collect Near-Term Metrics
20	Develop Long-Term Metrics
21	Collect Long-Term Metrics

POM Issue

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Products Schedule

ID	Task Name	1999	2000	2001
		O N D J F M A M J J A S	O N D J F M A M J J A S	O N D J F M A M J J A S
33	**Near-Term Products (2000)**			
34	Procedures			
35	Tools			
36	PM IDE Cookbook Steps			
37	DON Min IDE Opnl Architecture			
38	PEO/PMO Impl Plans, incl:			
39	* Min Systems Architecture			
40	* Min Technical Architecture			
41	Min IDE Implementation			
42	**Long-Term Products (2002)**			
43	DON IDE Policies			
44	IDE Input for DON Tech Arch			
45	DON IDE Opnl Arch, incl:			
46	* BPR Plan for Processes			
47	PEO/PMO Impl Plans, incl:			
48	* Systems Architecture			
49	* Technical Architecture			
50	IDE Implementation			
51				
52				
53				
54				

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