Purpose

• Summarize SPS Version 4.2 Increment 3 Progress and Capabilities From a Program Perspective
Agenda

• Background
• Single Baseline Goal
• Program Strategy
• Increment 3 Schedule
• Architecture Characteristics
• PM Assessment
Moving to a Single Baseline

- Moved multiple versions to a single baseline across DoD
- Made user satisfaction a guiding principle
- Linked solutions to overall BMMP business architecture
- Competed requirements wherever possible
- Opened application to support modular, web-based solutions
- Capitalized on DoD investments through logical reuse principles
- Scaled product to various DoD business environments

Wynne Initiatives

Adaptive Technology

BMMP

3-Tier Test Process

Acquisition Domain

Users: 30,000

Incr.: ALL 2007

Reus.: 3

In 1996 - 2000, there were versions v3.1, v4.1a, v4.1b, v4.1c, v4.1d, and v4.2.1. The chart shows a transition from v4.1 to v4.2.1 with increasing users from 10,000 to 15,000 to 30,000.
SPS JPMO fully anticipates supporting DPAP letter to have full Deployment of Increment 2 by 30 April 2005.
# Plan Comparisons

<table>
<thead>
<tr>
<th>Original Plan</th>
<th>FY04</th>
<th>FY05</th>
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<td>Q3</td>
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<td>Progress concept Builds</td>
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<td>PRUNING</td>
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<td>JPMO progress testing—GTF</td>
<td>JRB Participation</td>
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Decentralized Remote testing

SAT

MS
# Increment 3 Development Schedule

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<tr>
<td>Deployment &amp; Training</td>
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</table>

- Build 1: Baseline
- Build 2: Design & Develop
- Build 3: Design & Develop, GV&V
- Build 3a: Design & Develop, GV&V
- Build 4: Design & Develop, SAT
- Build 5: Design & Develop
- Deployment & Training

TODAY
Governance Structure

Acquisition Governance Board (AGB)

- Vision
- Conflict Resolution

Joint Acquisition Electronic Business Oversight Board (JAEBOB)

- Approve Requirements
- Validate Priorities
- Coordinate Cost/Schedule

Joint Requirements Board (JRB)

- Clearly Define Requirements
- Assign Priorities

Functional

PMO

Acquisition

ASD NII
- OIPT Lead
- MDA

AAE
- Acquisition Oversight

CIO/G-6
- Acquisition Management

PEO EIS
- Acquisition Management
Increment 3 - BMMP

- Completed PM Self-Assessment
- Completed Acquisition Domain Review
- Completed USD (C) Review
  - Authorized to Obligate up to $8M in support of Increment 3 effort
    - Limited to $5 million for development
    - Limited to $3 million for application server licenses
  - Successful completion of accounting and finance requirements shall be part of the acceptance criteria
    - Must satisfactorily support the accounting and finance requirements and related controls or shall not deploy Inc 3 until the problems are fixed
  - Independent third party assessment of Federal Financial Management Requirements must be obtained and results sent to Acc/Fin Domain owner and BMSI office
    - Army Audit Agency to perform assessment on Build 5
Increment 3 Functional Improvements

• Enables Archiving
• Provides Full Offer-Evaluation Capabilities
• Greater Workload Visibility
• Provides Document Copying Capabilities
• Provides a Configurable Output
  ▪ Based on PDF format
  ▪ Eliminates reliance on MS Word
• Enables full spectrum of contracting – P/C/S, MWS, and ICP communities

• Improved Contract Modification Process
  ▪ Moves to a delta centric model
  ▪ Allow workflow for post-award activities

• System Administration Improvements
  ▪ Reference data maintenance capabilities
  ▪ Configurable password standards
  ▪ System security model can align with organizational hierarchy
Inc 3 Technical Overview

• Scalability
  ▪ Supports Thousands of Complex Transactions a Day from Users and Integrated Systems

• Usability
  ▪ Web-Delivered
  ▪ Increased Support for Advanced Automated Processing

• Interoperability
  ▪ Provides Automation Entry Points throughout the Procurement Process to Enable Inputs and Outputs from other Systems throughout the Process
  ▪ Open API Provides for both Event-Driven and Data-Driven Processing
  ▪ Published XML Standards-Based Interface Transactions Increase Opportunities of Integrating Inc 3 into Larger Enterprise Solutions

• Security
  ▪ Role-Based Authorization Controls Access to Information and Functions in Inc 3
  ▪ PKI-Enabled Application
  ▪ Enables Single Sign-On Capability

• Extensibility
  ▪ Built on a Framework which allows for Easy Customization and Extension
  ▪ Fields can be Modified or Added with no Programming whatsoever
Inc 3 Technical Capabilities

- **Leverages Standards**
  - J2EE, XML, Web Services, PKI, x.509, WebDAV

- **Increase User Productivity**
  - Fewer Screens, Fewer Mouse Clicks, Improved Usability and Navigation

- **Improve Performance**
  - Scalability, Distribution of CPU Workload Across Many Boxes

- **Facilitate Reporting / Business Intelligence**
  - Improved Enterprise enabled BI Capabilities
  - Faster, more Robust Query Capability “Out of the Box”

- **Enable Archiving**
  - Solutions to Reduce Database Size / Records Management Options

- **Supports Server Consolidation**
  - Regionalization of Service - Reduction in Sustainment
Inc 3 Architecture

Presentation Layer
- Web Browser
  - HTTPS
  - Web Server
  - HTML
  - JSP
  - CSS
  - Script
  - Momentum User Interface Server (WebLogic)

Integration Layer
- External Systems
  - Momentum Enterprise Integration Frameworks (webMethods)

Application Layer
- Momentum Interface
  - Momentum API
  - Momentum Naming Service (WebLogic/ J2EE)
  - Momentum Business Components (WebLogic/ J2EE)
  - Momentum Tuxedo Services (Tuxedo/ C++)
  - Momentum Workflow Engine (WebLogic/ J2EE)

Data Layer
- WebDAV Server
- OLTP Database
- Reporting Database
  - ETL Process
  - Reporting Database
Inc3 Architecture

Characteristics

• Component Based
  □ More Readily Adopt and Insert New Technologies
  □ J2EE Components Introduced for New Modules

• Secure
  □ DCID-6/3 Certified
  □ LDAP Support
  □ PKI Support (future)
  □ Robust Access Control Framework

• Extensible
  □ Site Defined Layout
  □ Add New Fields Through Configuration

• HTML Based User Interface
Inc 3 Architecture

Characteristics, cont.

• Performance
  - High Performance Transaction Processing
  - C++/Tuxedo Based for Throughput and Scalability

• Document Management
  - Internal DMS Ships with Product
  - Support for Plug-able External DMS Solutions

• Integration
  - Service Oriented Architecture
  - Open XML Based APIs
  - webMethods Embedded within Inc 3 Suite
  - Leverages External Components and Best-of-Breed Solutions through EAI
Integration Capabilities

- **webMethods Integration Server**
  - Required for Intra-Suite Integrations
    - Connects CCR Connector
    - Links to External Systems (FedBizOps, FPDS-NG)
  - MOMAPI Adapter
    - Connects Software written with wM Tools to Inc 3
    - Point and Click Discovery of MOMAPI Services/Domains
    - Adapts Legacy Systems for Inc 3 (SPS-I Replacement)
  - Enterprise Integration
    - Synchronization of Data Throughout the Enterprise
    - Publication/Subscription to/from Enterprise Level Events
  - Advance Workflow
    - Optional
    - Business Process Flows written Using wM Designer
    - Executed by wM Workflow Engine
Army Standard Interface

Transactions

PD2

- Award Data - Line Item Description
- Modified Awards
- Hand Carried Purchase Request
- Purchase Request Status
- Vendor Information
- Purchase Request
- Attachment - Unapproved PR

- Payment Record
- Receipt Record

- Award by Fiscal Station
- Statistical Summary of Award

- Request Record
- Stock Record

- AMCISS Award (Award and Vendor)

- Request Transaction
- Payment File

- Award File
- Award Line File
- Award Clause File
- Vendor File
- PR Status File
- Award Status File
- Agent File

- Award Record
- Cancelled Request Record

- Normal Stock Record
- Normal Receipt Record
- Normal Request Record
- Normal Report Record

AI RS
CAPS
AMCISS
CEFMS
TAMMIS
Army Non-Standard Interface Transactions

PD2

TFMS
- Purchase Request Record
- Purchase Request Modification
- Funds Certification
- Sticky Notes / Alerts
- Government Organizations
- Award Record
- Award Modification Record
- Purchase Request Status
- Vendor Data

RMS
- Update Modification
- Agent

eDARTS
- Award Record
- Change Purchase Request
- Modification
- Users Record
- Purchase Request Status
- EDI Transaction
- CAPS Transaction
- Option Expiration Record
ERP Interface Transactions

PD2

MSC ORACLE
- Purchase Request Rejection and Status
- Funds Certification
- Award - Award Modification
- Purchase Request - Modification
- Cancel Purchase Request
- Contract Closeout
- Vendor Data

PICATINNY SAP
- Purchase Request

NAVAIR SAP
- Purchase Request
- Purchase Request Modification
- Cancel Purchase Request
- Cancel Line Item
- Funds Acknowledgement
- Vendor Data

Award

Award Modification
Program Manager’s Assessment

• Increment 3 is On Track to Meet the FOC Requirements
• Additional Requirements Resulting From a Gap Analysis Must Be Identified Immediately To Retain Deployment Efficiency