ERP
4 Program Overview
reference guide

August 00  Version 2.0
Contents

• Integration Efforts
• Program Specific Information
  – Regional Maintenance
  – Program Management
  – Financial Management
  – AvSCM/MM
Integrating the Programs
Programs & Integration Teams

ESG

AvSCM/MM  NWCF

PM  REG. MAINT

Integration Teams

BCAT
Business Case Development

EDIT
Data Integration and Metadata

SME Groups
FIPT
Program Mgmt
Asset/ Maint. Mgmt

HAT
Architecture Coordination
## SAP Module Matrix

<table>
<thead>
<tr>
<th>Regional Maint.</th>
<th>Program Mgt.</th>
<th>Financial Mgt.</th>
<th>AvSCM/MM</th>
</tr>
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<tbody>
<tr>
<td>Materials Management (MM)</td>
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<tr>
<td>Plant Maintenance (PM)</td>
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<td>Industry Solutions (IS)</td>
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x = module to be included in SAP

o = module under consideration
## Integrators/Subcontractors/Bolt-Ons

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<th>Regional Maint.</th>
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<td>Abaco</td>
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SAP Terminology

• **Interface** - Data passing back and forth between a legacy system and SAP (or any COTS product). An interface solution passes data between two systems that have not been designed to work together. Data retrieved will not be “real time”. We will need to create interfaces for the following situations: external DOD mandated systems, internal systems not replaced by ERP software and external entities such as vendors or customers.

• **Bolt-on** - Any complimentary application designed to be compatible with another application. Bolts-ons are not a part of the SAP software, but are part of the suite of software that has been certified to work with SAP and to provide the functionality required. Bolt-ons do work off of the same database as the SAP core software, therefore bolt-ons are fully integrated and “real time”.

• **Integrated** - A seamless connection between data, the applications are running from the same database, eliminating duplication. Bolt-ons are an example of integrated data and systems.
Program Specific Information
Regional Maintenance

All R/3 Modules Are Integrated

Supply & Materials Management

Quality Management

Plant Maintenance (MRO)

Human Resources

BASIS Information Portal

Funds Management

Investment Management

Financial Accounting

Controlling

Asset Management

Project Systems

Workflow

### Regional Maintenance Phases - 6 Years

<table>
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<tr>
<th>Phase</th>
<th>Base Yr. One</th>
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<th>Third Year</th>
<th>Fourth Year</th>
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</table>

**Phase A:** I&D pilot  
**Phase C:** National systems  
**Phase D:** regional deployments  
**Phase E:** Supships  
**Phase E:** shipboard (may be in A)
Regional Maintenance
Org. Chart

Participants

EXCOMM

COMNAVSEA
SEA 04

NEMAIS Program Manager

Legacy AISr
GS-343/346-13/14

RMAIS
NDE
FMPMIS
OMMS-NG

Acquisition Manager
GS-343/346-14

ACO coord
Finance
EVMS
ACQ Doc/ CARS

Systems Integration Manager
GS-334-15

IV&V Team (Navy & Contractor)

Participants

NAVSEA PM Office Organization

NEMAIS BPR Decision Hierarchy

Navy Maintenance
Executive Leadership Group

Functional Deployments Manager
GS-343-14

Cross Deployment Enablers
Phase A Deployment Team Leader
Phase B Deployment Team Leader
Phase C Deployment Team Leader
Phase D1 Deployment Team Leader etc.

Phase A Deployment Team
Local Navy
Prime and Sub contractors
Other Fleet and NAVSEA

Participants

HIT Coordination
Other Pilot Rep and coordination
IV&V Corp/IF

Figure 5.1 NEMAIS Management Structure
The e-NMS Team Organization

Advisory Team
Karen Maddock
Bus. Mgr

Executive Steering Committee
Jim Kamel
Project Executive

QA Team

Implementation Team
Dick Darden
IT Infrastructure Manager
Andy Higgins
Implementation Manager
Sid Suarez
Deputy Project Exec
Bill Sadler
Business Integrator
Howell Thomas
Change Mgmt Manager

Executive Steering Group
Mike Petz
Program Director

Navy IT Infrastructure Manager

Integrated Product Teams
- Ops Logs
- Maint
  Configuration Mgmt, Production Planning, Scheduling, Preventive Maint., Corrective Maint., Overhauls, Mods Mgmt, Tech Docs
- HR
  Assignments, Availability, Qualifications, Security Clearance, Training History & Shortfall
- Supply
  Receiving, Issuing, Stock Control, Inventory Control, Purchasing, Procurement, Cataloguing
- Finance
  Center Accounting, Activity Based Costing, Fixed Assets Accounting, Life Cycle Costing, Ops Cost Budgeting

Program Management

R/3
Client / Server
ABAP/4

MM
Materials Mgmt.

SD
Sales & Distribution

FI
Financial Accounting

CO
Controlling

AM
Fixed Assets Mgmt.

PS
Project System

RP
Production Planning

QM
Quality Management

PM
Plant Maintenance

HR
Human Resources

WF
Workflow

IS
Industry Solutions

FIFI
Financial Accounting

COCO
Controlling

PSP
Project System

WF
Workflow

ISIS
Industry Solutions

HH
Human Resources

MM
Materials Mgmt.

SD
Sales & Distribution

R/3
Client / Server
ABAP/4
Each Team Member Was Chosen for a Specific Role
NAVAIR Proposed Solutions

MQ - Series (Interface Mgmt)

OROS (ABC)

ESRI (GIS - future waves)

Jet Forms (Forms Mgmt)

ABACO (Bar-coding)

Documentum (Document Mgmt)

ORACLE DB (DBMS)

NAVAIR Corporate Systems
## PM Pilot Schedule - 2 years

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Jan 00</td>
<td>Project Preparation: Define Objectives</td>
</tr>
<tr>
<td>Feb 00</td>
<td>Contract Award</td>
</tr>
<tr>
<td>Mar 00</td>
<td>Project Preparation: Define Success Criteria</td>
</tr>
<tr>
<td>Apr 00</td>
<td>Project Preparation: Develop Strategies</td>
</tr>
<tr>
<td>May 00</td>
<td>Project Preparation: Kick-Off Project</td>
</tr>
<tr>
<td>Jun 00</td>
<td>Business Blueprint: Project Team Training</td>
</tr>
<tr>
<td>Jul 00</td>
<td>Business Blueprint: Prepare System</td>
</tr>
<tr>
<td>Aug 00</td>
<td>Business Blueprint: Process Walkthroughs</td>
</tr>
<tr>
<td>Sep 00</td>
<td>Business Blueprint: Define Scope</td>
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<tr>
<td>Oct 00</td>
<td>Realization: Construct Interfaces, Conversions, Reports, Enhancements Integration Testing</td>
</tr>
<tr>
<td>Nov 00</td>
<td>Final Preparation: End User Training</td>
</tr>
<tr>
<td>Dec 00</td>
<td>Final Preparation: Prepare Production System</td>
</tr>
<tr>
<td>Jan 01</td>
<td>Final Preparation: Integration Testing</td>
</tr>
<tr>
<td>Feb 01</td>
<td>Final Preparation: Analyze Potential Benefits Analysis</td>
</tr>
<tr>
<td>Mar 01</td>
<td>Go Live &amp; Support: Productive System</td>
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<tr>
<td>Apr 01</td>
<td>Benefits Analysis</td>
</tr>
</tbody>
</table>

**Slide Source:** NAVAIR BCA Draft Date: 31 July 00
SSC-SD Proposed Solutions

- Mercury (Automated Testing)
- Mercator (Interface Mgmt)
- OROS (ABC)
- ORACLE DB (DBMS)
- JetForms* (Forms/Rpt Generator)
- Major Procurement (TBD-Future)
- Prologix (Bar-coding)
- BW (Future)

*Currently proposed to be coded in ABAP. Use of Jet forms better choice (leverage from NAVAIR)

"Achieves Short and Long Term Goals"
Scope Business Function to Software Mapping

- Human Resources
- Procurement
- Asset Management
- Financial
- Business Planning
- Program Management

SAP Modules & Complementary Software Products

- Human Resources (HR)
- Materials Management (MM)
- Asset Management (AM)
- Financial (FI)
- Controlling (CO)
- Project Systems (PS)

- "Major Procurement" Add-on (TBD – future)
- Bar Coding (Prologix)
- ABC (OROS)

Work Flow (WF)

Business Information Warehouse

= SAP Module  = Complementary Software Product
Financial Management - 1 year

**Project Preparation**
- Jun: Kickoff
- Jul: Install Dev. System
- Aug: Project Charter
- Sep: Detailed Project Scope
- Oct: Procedures
- Nov: Team Trng. #1
- Dec: Team Trng. #2

**Blueprint**
- Aug: Detailed Process Design
- Sep: Design Specs - Interface
- Oct: Design Specs - Conversion
- Nov: Design Specs - Reports
- Dec: Design Specs - Forms

**Realization**
- Oct: Configure/Prototype
- Nov: Install QA System
- Dec: Setup Production Environment
- Jan: Develop/Test Conversion Programs
- Feb: Develop/Test Interface Programs
- Mar: Develop/Test Report Programs
- Apr: Create End User Training
- May: Integration System Test
- June: Stress/Volume Testing

**Final Preparation**
- May: Data Conversion
- May: Cutover Plan
- May: Production Support Plan

**Go Live**
- May: Train End Users
- May: Go LIVE
Financial Management Team

**Business Process Lead**
Bob Frye/Bruce Alexander (SSC)
Dave Shanahan/Kevin Halbe (PwC)

**Financial Mgmt. Team**
Bruce Alexander (SSC)
Kevin Halbe (PwC)

**Finance Team**
Chester Wong (SSC)
Kevin Halbe (acting-PwC)

- General Ledger
- Accounts Payable
- Accounts Receivable

**Controlling Team**
Alyce Shivers (SSC)
Leslie Svensson (PwC)

- Cost Center Accounting
- ABC/ABM
- Budgeting/Planning
- Profit Center Accounting

**Asset Mgmt. Team**
Joe Espanol (SSC)
Rob Lohr (PwC)

- Property Tracking
- Property Management

**Navy Audit Service**
Sharon Thorne

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**Slide Source:** FINANCIAL MANAGEMENT at SSC SAN DIEGO
To: Executive Steering Group (ESG)  Given by: Bob Frye-Comptroller  Date: 13 June 00
Project Team Organization

Business Process Lead
Bob Frye/Bruce Alexander (SSC)
Dave Shanahan/Kevin Halbe (PwC)

Project Management Team
Greg Lawrence (SSC)
Steve Lewis (PwC)
- WBS
- Cost Estimating

Material Management Team
Cherri Broyles (SSC)
Ken Baker (PwC)
- Warehouse Management
- Purchasing
- Inventory Management

Human Resources Mgmt. Team
Hana Li-Torres (SSC)
Bill Heisch (PwC)
- Time & Attendance

CSC
Logicon/INRI
UII
SAP
Change Management Team

Change Management/Training Team
Randy Volker (SSC)
Tim Cleary (PwC)

Change Management Team
Dr. Gabe Lengua (SSC)
Laura Bonnett (PwC)

Training Team
Dr. Mel Moy (SSC)
Dr. Jeff Besser (SSC)
Catherine Tuck (PwC)

• Knowledge Transfer
• Communications
• Organizational Development & Change Mgt.
• Roles Development

• Project Team
• End user (Curriculum Dev)
AvSCM/MM

Enterprise-wide business process solutions

Open system

Client/server architecture

Comprehensive, fully integrated functionality

Designed or all types of business

Multinational

R/3
Client / Server
ABAP/4

FI
Financial Accounting

CO
Controlling

AM
Fixed Assets Management

PS
Project System

WF
Workflow

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Industry Solutions

MM
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Plant Maintenance

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Human Resources

SD
Sales & Distribution

Financial Accounting

Controlling

Fixed Assets Management

Project System

Workflow

Industry Solutions

Materials Management

Production Planning

Quality Management

Plant Maintenance

Human Resources

Sales & Distribution

Multinational

Enterprise-wide business process solutions

Open system

Client/server architecture

Comprehensive, fully integrated functionality

Designed or all types of business

Multinational
AvSCM/MM Phase II
Timeline

June 00 | July 00 | Aug 00 | Sept 00 | Oct 00 | Nov 00 | Dec 00 | Jan 01 | Feb 01 | Mar 01 | Apr 01 | May 01 | Jun 01 | Jul 01 | Aug 01 | Nov 01

Phase I Wrap up
Blueprint
Realization
Final Prep

Xelus/Manugistics Forecasting Process
SAP R/3 A&D Business Scenarios
SAP Gap ID
SAP Development and Unit Test
SAP Integration Test

Manugistics Transportation

Xelus/Manu: Data Load
SAP - Sample Data Load
SAP - Data Conversion
SAP - Data Load

EAG Training
Project Team Training
APS User Training
Navy To Develop Training Materials
User Training

“Go Live & Support”
Turn Over User Validation Thru November

Project Program Management Reviews

Slide Source: AvSCM/MM Pitch to ICP 04  Date: 16 Aug 2000
Organization

Program Officers
Ross Haines/Paul Peters

Dep Program Officer
CDR Migliore/Fred Tillack

Program Manager
David Borg

Integrated Project Team (IPT)

Supply Chain Maintenance
(Joe Catlett)

Maintenance Management
(CAPT Laszcz)

Financial
(CDR Ahern)

Change Mgmt
(Margaret Ely/Traci Maddox)

Info Tech
(Joyce Lerch/John Mishler)

Business Case
(Tim Curry)

Integrated Workstreams:
Process (Kelly Marchese)
Technical (Phil Hayes)
Legacy (Brian Keefer)

Extended Team

Slide Source: NAVSUP/NAVAIR AvSCM/MM
Given by: CDR Stephen Migliore
Date: 09 Nov 99
Core Team Organization

Program Management Office

Program Control
- BCA
- Pilot Integration

Change Leadership & Training

Business Operations
- Supply Chain
- Maintenance
- Finance Team
- Interfaces & Conversions
- Reports & Extensions
- IT Technical Team

Monitor project progress and budget. Ensure project integration, tracking, and administration. Ensure linkage with other initiatives and communicate issues.

Develop Phase II Change Readiness Assessment. Develop communication plan. Develop training materials and deliver training to end users.

Coordinate with other pilots. Understanding of each pilot's process/technical integration points and facilitate cross-pilot agreement.

Update Phase I BCA costs and benefits (creating the "Phase II BCA") to reflect further definition of Phase II and Phase III scope.

Gather and propose pilot design. Configure design decisions within the selected applications. Write test scripts and perform unit test. Define and implement application and process gap solutions. Team will prepare, execute and document the results of integrated scenarios. Deliver training to end users. Provide support to users during Go Live.

Determine existing interfaces. Complete build of data conversions. Write legacy and COTS interfaces. Conduct test of interfaces and conversions.

Reports and extensions. Develop approved reports and extensions based on IPT design reqmts. Test and support pilot.

Infrastructure: Coordinate logistics for pilot team. Manage hosting environment. Support desktops during Go Live.

Assist in the development of "to-be" design. Provide SME support. Participate in final integration testing.

Extended Team Members as Required

Slide Source: NAVSUP/NAVAIR AvSCM/MM ERP Pilot
Given to: NAVICP 04
Date: 16 Aug. 2000
Technical Support Roles

Interfaces & Conversions
- Inventory interfaces
- Prioritize and scope required interfaces
- Design data conversion specs
- Build data conversion
- Write legacy and COTS interfaces
- Conduct unit and integrated testing

Reports & Extensions
- Develop R & E standards
- Establish methods and prioritize
- Develop approved reports
- Develop approved extensions

IT Technical Team
- Coordinate IT infrastructure
- Support contractor hosting requirements
  - Connectivity
  - Communication
  - Security
  - Desktop support