

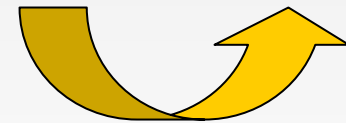
# NAVAIR DMSMS Program

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## The World of DMSMS

13 November 2007



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# NAVAIR Issues

## 1. Program Support

## 2. Standardized Process Non-Existent

- Case Management
- Data Tracking

## 3. DMSMS Plan

## 4. Training



# NAVAIR Issues Continued

## 5. Lack of Funding

- Multiple DMSMS Tool-Sets
- Experienced, Trained Personnel

## 6. Difficulty acquiring Bill of Materials (BOMs) and maintaining Configuration Management

## 7. No Cross Talk between Programs for Common Solutions



# 1. Program Support

## NAVAIR DMSMS Working Group

### Goal #1: Standardized Streamlined Proactive DMSMS Policy and Procedures

NAVAIR Specific Guidance **(In Work)**

Create a Common Model **(Complete)**

Intermediary between PMAs and DASN(L) **(In Work)**

-Metrics Repository

### Goal #2: Coordinate Local Training and Resources

More Resources and Tool Availability **(Complete)**

Sharing Database Tools and Resources **(Ongoing)**

### Goal #3: Synergy / Networking

Sharing: **(Ongoing)**

-Information and Ideas

-Lessons Learned

-Problems, Solutions, and Implementation Plans

### Goal #4: Funding

Help PMA's POM for DMSMS **(Complete)**

-Acquiring Funding

-Funding Process

•1<sup>st</sup> Meeting September 2007

•Meets Monthly for 2 & 1/2 hrs

•Approx. 50 people attend

•Distribution 40 to more than 300

•NAVAIR DMSMS Reference Book

•DoD, Industry, & FMS





# 1. Program Support

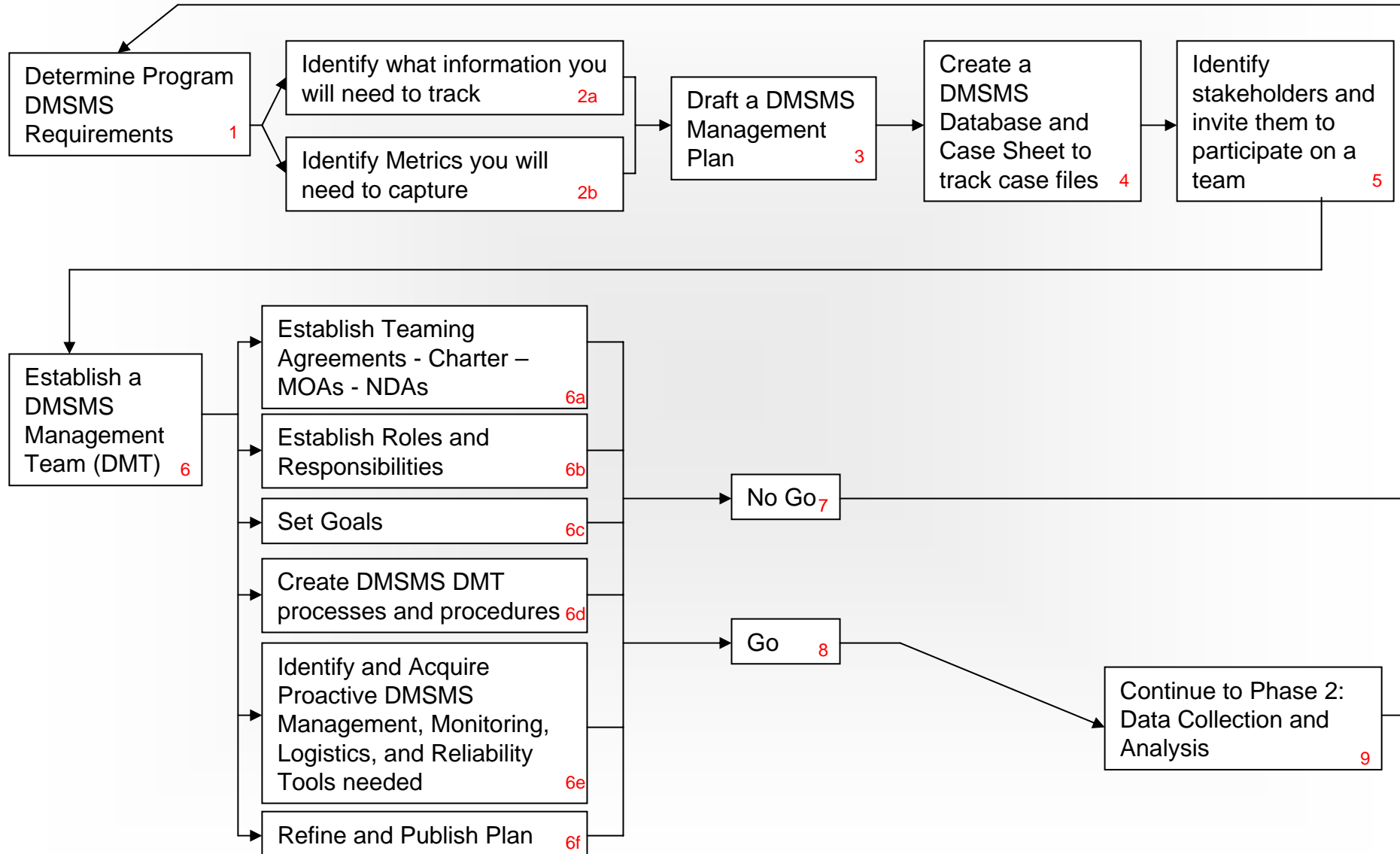
## NAVAIR DMSMS Team Capabilities

- Provide “3<sup>rd</sup> Party” Oversight
- Reviewing Program DMSMS Plans
- Providing DMSMS Training
- Access to Numerous DMSMS Subscription Tools / Data Sources
- Formatting and Loading BOMs into Predictive Tools
  - Statusing Components:
    - Cleaning up Unknowns
    - Researching Obsolete, Sole Source, Aftermarket, etc.
- Determining and Providing Program with Proposed Solutions
- Assisting in Creation of a DMSMS Database / Case Sheet and Metrics Collection
- Monitoring all Program Systems, WRAs, SRAs, Piece Parts
- Health Assessments and Reports
- Performing Business Case Analyses (BCA), as required

<b>System</b>	<b>Plan</b>	<b>Training</b>
76%	76%	90%

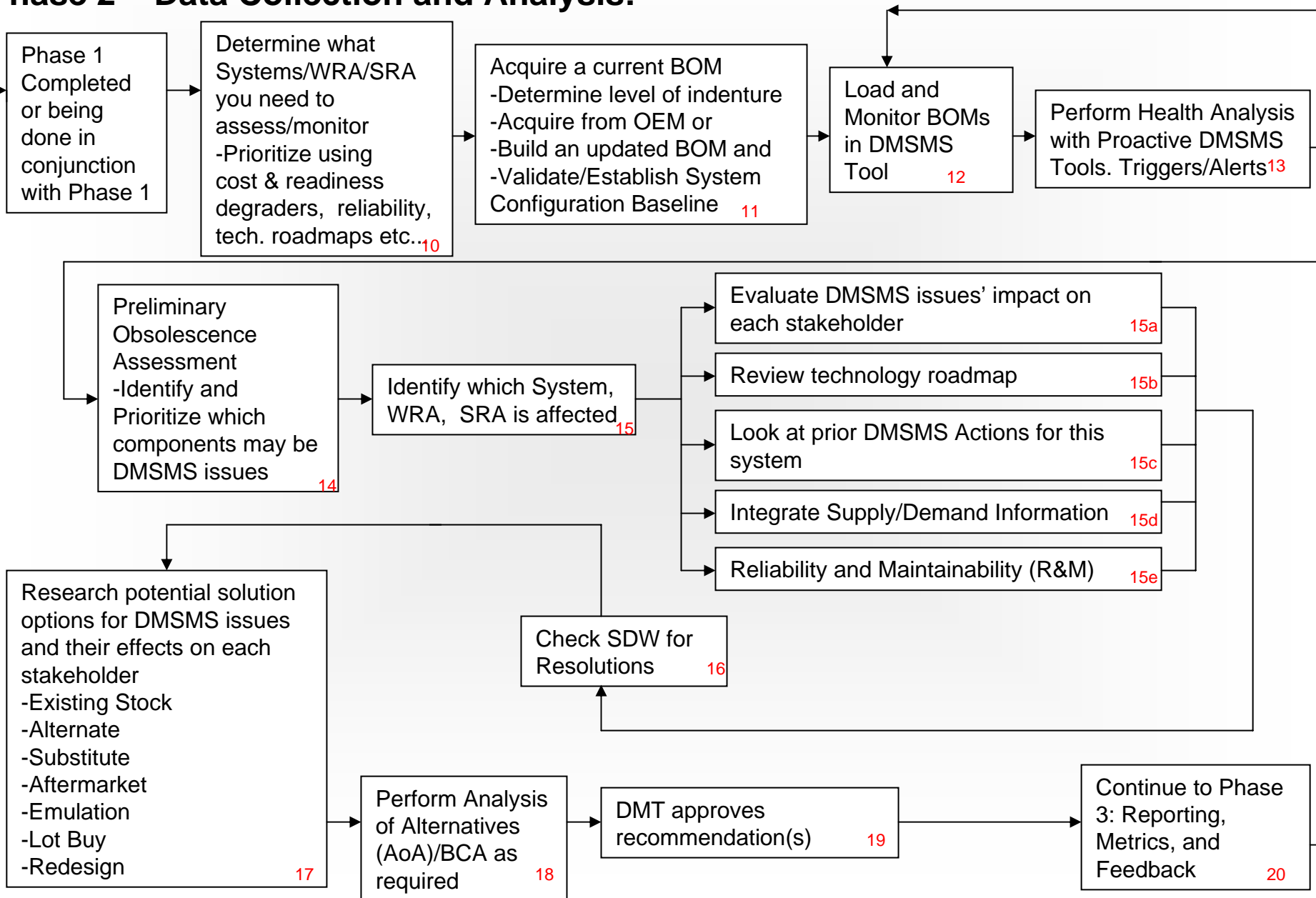
## 2. Common Process - Integrated Product Team DMSMS Process

### Phase 1 – Program Establishment:



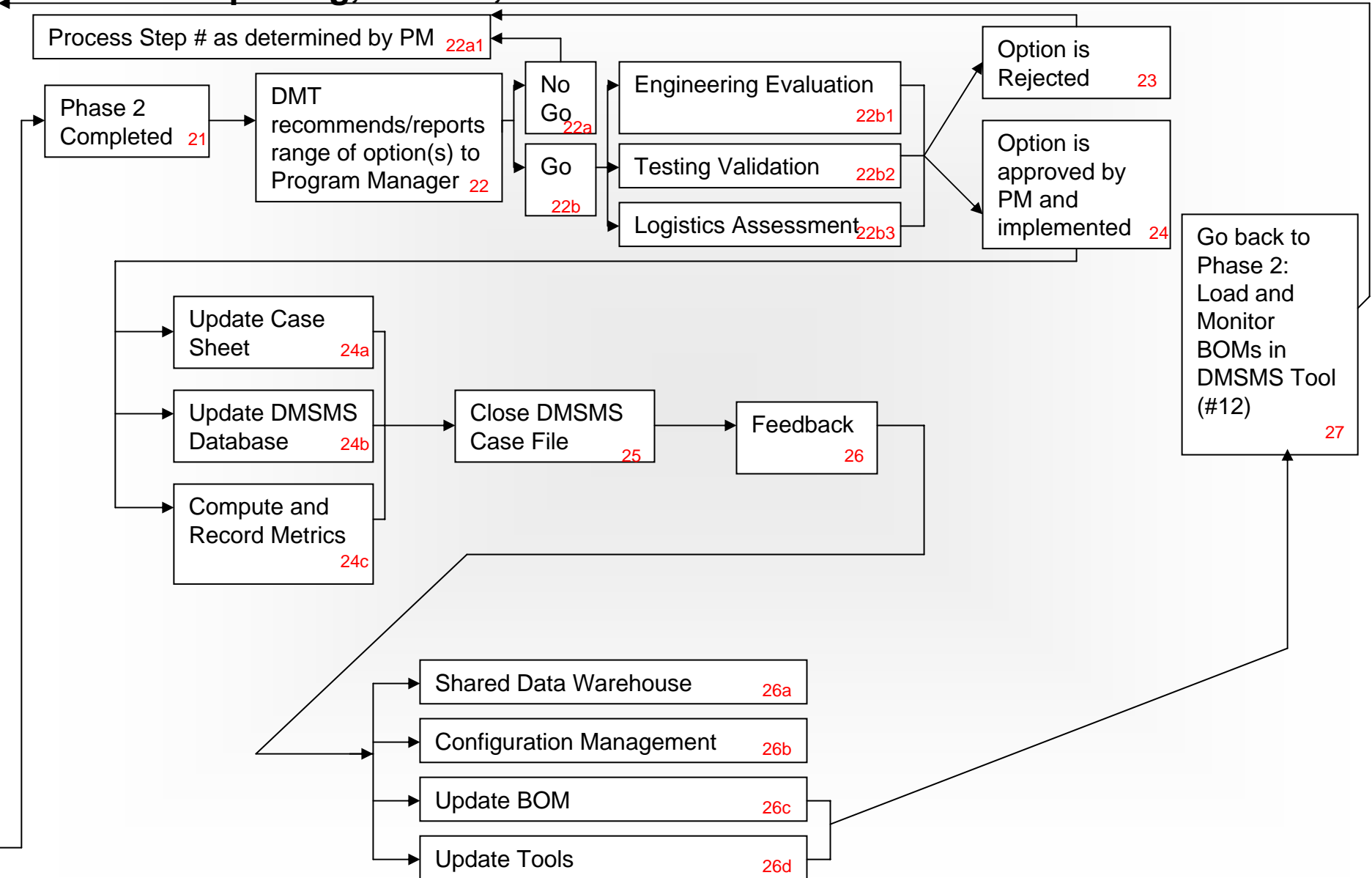
## 2. Common Process - Integrated Product Team DMSMS Process

### Phase 2 – Data Collection and Analysis:



## 2. Common Process - Integrated Product Team DMSMS Process

### Phase 3 – Reporting, Metrics, and Feedback:







# 3. DMSMS Plans NAVAIR Status

## DASN(L) DMSMS Plan Ratings:

Good (Rating of 3)
Acceptable (Rating of 2)
Unacceptable (Rating of 1)

## Common Deficiencies:

- Metrics
- Technology Roadmaps
- DMSMS Management “Tutorial”
- Plan for Obtaining Proprietary Data
- Draft vs Signed

## Updates:

- DMSMS Plan Builder (SYSPARS)



# 4. Training

## 2006 Training Provided

Training Title	Training Date	Location	Hours	Number of Participants	Percentage of PMAs (out of 29)	Man Hours
PMA-299 H-60 Lead DMSMS Training	6-Jun-06	PAX	2	1		2
PMA-276 H-1 DMSMS Training	6-Jun-06	PAX	4	2		8
IHS	21-Jun-06	PAX	8	14		112
IHS	22-Jun-06	PAX	8	4		32
PMA-263 Fire Scout DMSMS Training	6-Jul-06	PAX	2	1		2
IHS	1-Aug-06	PAX	8	13		104
IHS	2-Aug-06	PAX	8	14		112
IHS	3-Aug-06	PAX	8	12		96
PMA-213 DMSMS Training	6-Aug-06	PAX	2	2		4
PMA-274 DMSMS Training	6-Aug-06	PAX	2	1		2
PMA-281 DMSMS Training	6-Aug-06	PAX	2	1		2
Boeing DMSMS Training	7-Sep-06	MO	2	46		92
NAVAIR DMSMS Working Group	14-Sep-06	PAX	3	67	62%	201
DMSMS Background						
DASN(L) Requirements, Feedback, & Metrics						
Working Group Goals						
NAVAIR DMSMS Policy						
Common Approach						
DMSMS Training and Resources						
<b>25 Trainings</b>			<b>85</b>			<b>1238</b>

# 1,238 Man-Hours





# 5. Funding

## DMSMS Program Cost Estimation Work Book

### DMSMS COST Estimating Worksheet

#### NON RECURRING

##### Initial Loading of VRA BOM Data

1.0			Total Hrs	# of BOMs	Hrs/BOM	Tech	Engineer	DB Manager	PM
	1.1	Obtain BOM	0	67					
	1.2	Format Bill of Material (BOM) for Loading into DMSMS	0	0	22	22			
	1.3	QA BOM	268	67	4	2	2		
	1.4	Load BOM into the DMSMS Predictive Tool	67	67	1	1			
	1.5	Clean Gray Components	2680	67	40	32	8		
	1.6	Additional Research and Analysis of Alternatives, as	1608	67	24	12	10		2
	1.7	Establish Database and Tracking System	40					40	
		<b>TOTAL HOURS</b>	<b>4663</b>		<b>69</b>	<b>3149</b>	<b>1340</b>	<b>40</b>	<b>134</b>

#### RECURRING

##### Triage Efforts

2.0			Hrs/Yr	# of BOMs	Hrs/BOM	Tech	Engineer	DB Manager	PM
	2.1	Monitor Bill of Material	134	67	2	2		0	
	2.2	Evaluate effect of alerts on BOM's	201	67	3	2	1		
	2.3	Additional Research and Analysis of Alternatives, as	201	67	3	1	2		
	2.4	Cost Analysis	201	67	3	1	1	1	
	2.5	Update BOM Files	201	67	3	2		1	
		<b>TOTAL HOURS</b>	<b>938</b>		<b>14</b>	<b>536</b>	<b>268</b>	<b>134</b>	<b>0</b>

##### Analysis of Alternatives (AoA)

3.0			Total	# of BOMs	Hrs/Yr	Tech	Engineer	DB Manager	PM
	3.1	Assemble Health Data	150.75	16.75	9	6		3	
	3.2	Assemble Trend and Reliability Data	201	16.75	12	9	3		
	3.3	Perform Health Evaluation	134	16.75	8	2	6		
	3.4	Perform Trend and Reliability Evaluation	251.25	16.75	15	3	9		3
		<b>TOTAL HOURS</b>	<b>737</b>		<b>44</b>	<b>335</b>	<b>301.5</b>	<b>50.25</b>	<b>50.25</b>

# EXAMPLE

Discipline	Tech	Engineer	DB Manager	PM	Totals
Hours	4,020	1,910	224	184	6,338
Man Years	1980	2.0	1.0	0.1	3.2
Man Years	2080	1.9	0.9	0.1	3.0
Man Years	1740	2.3	1.1	0.1	3.6

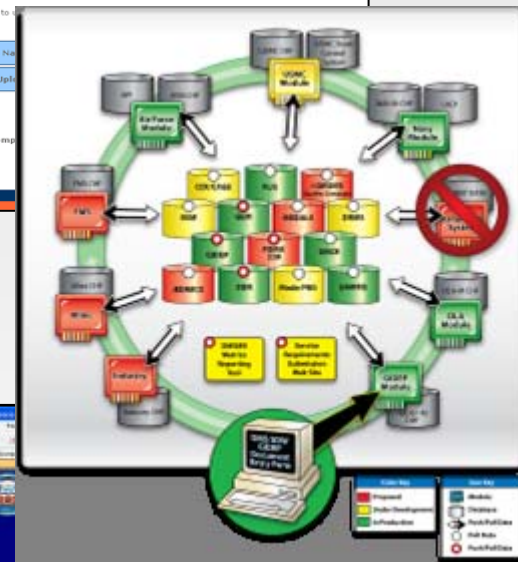
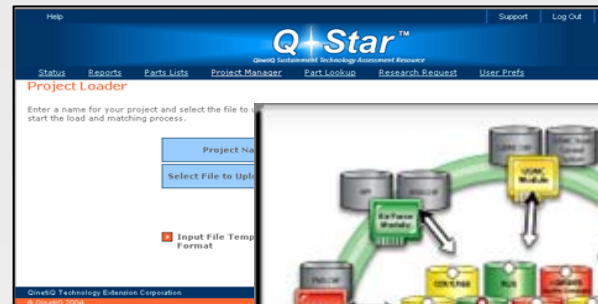




# 5. Funding Tools & Data Sources

- DKSP
- LOGPARs
- Q-Star
- OMIS
- Total Parts Plus
- IHS
  - COMET
  - Haystack
  - CatalogXpress
  - Specs and Standards
- FEDLOG
- WEBCATS
- MEDALS
- JEDMICS
- GIDEP
- Log Tool
- Part Miner
  - CapsExpert

- NALDA
  - LMDSS
- NAVICP
  - Asset Visibility
- NATEC
- Aftermarket
  - Rochester
  - Lansdale
- DSCC
  - Standard Microcircuit Cross-Reference
  - GEM Program
- Industry





# OMIS - Web Based Obsolescence Management



Obsolescence Management Information System

## Air



- BOM LOADING SECTION (AIR)
- ATCLS RADAR SYSTEMS
- AV-8B HARRIER
- C-2A GREYHOUND
- COMMON EQUIPMENT
- E-2C HAWKEYE
- E-2D ADVANCED HAWKEYE
- EA-6B PROWLER
- F-14 TOMCAT - ARCHIVED

- F-15 EAGLE
- EA-18 HORNET / SUPER HORNET
- GROUND SUPPORT
- H-53
- SH-60 SEA HAWK
- P-3 ORION
- P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)
- AIR SUPPORT EQUIPMENT
- V-22 OSPREY



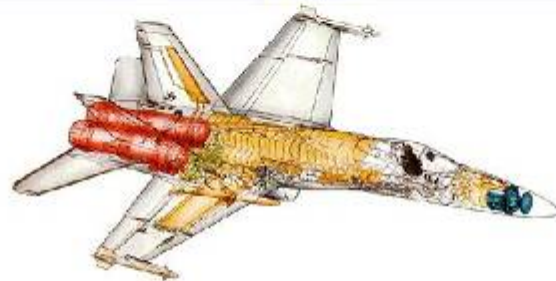
Click on Platform of interest



# Drill Down to System



F/A-18 Hornet



- 12. Crew Station
  - DEPLOYABLE FLIGHT INCIDENT RECORDER
- 13. Alighting/Launching System
  - RECEIVER-TRANSMITTER-PROCESSOR, RT-1379A/ASW
- 42. Elec Pwr Supply/Distribution/Lighting System
  - GENERATOR CONVERTER UNIT, VSCF, WUC = 4211000
- 57. Integrated Guidance/flight Control Systems
  - AN/ASW-14 FLIGHT CONTROL ELECTRONIC SET (FCES)
- 74. Weapons Control Systems
  - AN/ARS-28: DETECTING SET
  - AN/ARQ-65 - ALL WEATHER, MULTIMODE, PULSE DOPPLER RADAR SYSTEM
  - AN/ARQ-73 - ALL WEATHER, MULTIMODE, PULSE DOPPLER RADAR SYSTEM
  - AN/AVQ-23
  - AN/AVQ-31 HEAD-UP DISPLAY UNIT QUOTE ID # 119400

- 74. Weapons Control Systems
  - IP-1317A/A - 39000-69
  - IP-1318/A (DDR1); WUC=7468300; 39500-49
  - IP-1318A/A - 14900-19
  - IP-1556/A DIGITAL DISPLAY INDICATOR
- 76. Countermeasures Systems
  - AN/ALR-67(V) 3, COUNTERMEASURES RECEIVING SET
  - AN/ALR-67F(V) 2, COUNTERMEASURES RECEIVING SET
  - DT-612/ASQ-173 LASER DETECTOR

Click on system of interest





# Drill Down To WRA

OMIS  
Obsolescence Management Information System

NAVSEA  
TRAINING CENTERS

3525011-160 - T-1077/APG-66(7); WU Ch7425-001; TRANSMITT...

3525028-110 - R-2000/APG-73(5) Receiver, WRA2

3525028-120 - R-2000/APG-73(5) Receiver, WRA2

3525031-160 - AS-4490/APG-73(V) Antenna

3525048-110 - T-2465/APG-73(V) Radar Data Processor, ...

3525048-120 - D1-4624/APG-73 (V) Radar Data Processor, ...

3525048-130 - D1-4624/APG-73(V) Radar Data Processor, ...

3525083-110 - P1-0101/APG-73 Power Supply Assembly, WRA...

**AN/APG-73 - All Weather, All-Mode, Pulse Doppler Radar System**

Unit/WRA	Current	2 Yr	5 Yr
3525011-160			
3525028-110			
3525028-120			
3525031-160			
3525048-110			
3525048-120			
3525048-130			
3525083-110			

Click on WRA of Interest





# IHS Product Package

- **Specs and Standards**
- **Haystack Gold**
- **COMET**
- **Catalog Express**



- **4D Online Parts Universe**
- **Fasteners eCatalog**
- **GEIA**





# 6. Obtaining BOMs

## NAVICP Project

- **NAVICP-OMIS-NAVAIR**
  - Developing Process to Auto Load NAVICP Provisioning Data for each Weapon System into OMIS Database.
  - Provide cross NAVAIR Monitoring
  - Single Solutions for NAVAIR
  - Use the CMIS to fill in the holes

**Synergy**



# 7. Cross Talk

## Knowledge Management System DMSMS Community

**DMSMS-WG (Proto Type)**  
**KMS Community of Practice**

NAV AIR

Search the DMSMS-WG (Proto Type) Community  Search  
Search Techniques and Information

My Desktop Site Map Help FAQ Feedback Logout  
Community Home Community Success Stories Community Announcements KMS Announcements Logistics Handbook ELC

Hello BROWNR. **Status:** Logged In  
**Currently Working In:**  
AIR 6.0-Under Development  
AIR 6.7 Leadership  
DMSMS-WG (Proto Type)

[Click the arrow to expand a menu item]

▼ DMSMS-WG (Proto Type) Community Menu  
**DMSMS-WG HOMEPAGE**  
**COMMUNITY DIRECTORIES & ELC**  
**DMSMS-WG CALENDAR**  
**DISCUSSION FORUMS**  
**DMSMS-WG WORKING ISSUES**  
**ACTION ITEM TRACKER**  
**DMSMS RESOURCE BOOK**  
**DMSMS-WG MEETING MINUTES**  
**DMSMS-WG KNOWLEDGE EXCHANGE**  
**EXTERNAL RESOURCE LINKS**  
**MEMBER ASSISTANCE**  
**DMSMS HOT TOPICS**  
DMSMS-WG Site Updates

▷ KMS Core Menu

▷ My Communities  
▷ All Communities

**DMSMS-WG HOMEPAGE:**

### NAVAIR DMSMS WORKING GROUP

(DIMINISHING MANUFACTURING SOURCES & MATERIAL SHORTAGES)

**The 2007 DMSMS Co**

The NAVAIR DMSMS Working Group (DMSMS-WG) is responsible for the following:

- Acts as a centralized focal point for DMSMS mitigation planning, policy, and guidance for NAVAIR.
- Minimizes the impacts of DMSMS through coordinated sharing and teaming on DMSMS solutions, information, processes, tools, and practices within NAVAIR.
- Provides subject matter expertise for NAVAIR Program offices and program managers when dealing with obsolescence issues.
- Promotes the utilization of efficient DMSMS management practices through education, training, awareness, and facilitating DMSMS data exchange and synergy.
- Develops and documents a pro-active process to identify and resolve potential DMSMS problems in NAVAL aircraft.
- Serves as a DMSMS problem and solution set asset for NAVAIR.
- Identifies, defines, and establishes DMSMS activities and functions as required, to enhance the efficacy and cost-effectiveness of obsolescence mitigation throughout NAVAIR.
- Identifies, prioritizes and recommends solutions to the barriers and gaps that prevent NAVAIR from being pro-active in dealing with obsolescence issues.
- Conducts ongoing selected assessments of adequacy and effectiveness of obsolescence risk mitigation efforts of Programs.
- Coordinates with other DoD initiatives and/or functions as appropriate.
- Meets on a monthly basis to plan and execute its responsibilities.



# KMS DMSMS Cases

## DMSMS-WG WORKING ISSUES:

### DMSMS Working Issues

The DMSMS Working Issues menu documents open and closes cases for the purpose of capturing lessons learned, use by programs confronted with the same DMSMS case, support cost estimating efforts for DMSMS resolution activity and to support technology trend analysis. The archives contain all data collected or developed during the resolution process and are maintained to support follow-on analyses and to assist others in conducting related DMSMS investigation efforts.

- [DMSMS Open Cases](#): A case is opened when a Program identifies that an item (e.g., piece part, LRU, etc.) is obsolete due to DMSMS or projected to be obsolete. If a PMA wants the NAVAIR DMSMS Team to provide assistance, they will go to the "Open Cases" and request our assistance. We will then do the research and respond back. In return, the PMA will provide feedback as to whether or not they implemented our recommendations and what their cost avoidance was. A case will not be closed until their feedback is received so that we can calculate our Metrics.
- [DMSMS Closed Cases](#): A case is closed when the solution has been implemented and no further actions are required. Closed cases will be archived.

## Active Team Topics List

Forum: TEAM TOPIC LIST

No new posts. New posts.

	Topic	Reporting POC	Responses	Last Post
	<b><a href="#">DSCC Alert 2007-410</a></b> (Created on: 10/12/2007 10:37 AM) This alert affects the following platforms: F-18 E2C H46 H53 H60 AV8 Marine Air Traffic Control General Test Equipment	ROBIN BROWN	0	
	<b><a href="#">DSCC Alert 2007-416</a></b> (Created on: 10/04/2007 10:27 AM) On 13 SEPT 07 we received DSCC alert number 2007-416 along with GIDEP alert number B2N-D-07-0031A for mil SPEC part# M38510/32002BCA and SMD part# 7601501CA. The MIL Spec part effects the followi ...	ROBIN BROWN	0	



# KMS DMSMS References

## DMSMS Resource Book

The DMSMS Resource Book is a compilation of DoD and DoN DMSMS Directives, Policies, Procedures, Guidebooks and Resources, providing DMSMS practitioners with a desktop reference to quickly locate key documents required in managing DMSMS issues and concerns.

[Section 1  
NAVAIR DMSMS Plan Ratings](#)

[Section 2  
DMSMS Process](#)

[Section 3  
DMSMS Tools & Aids](#)

[Section 4  
DMSMS Website Links](#)

[Section 5  
DMSMS Courses](#)

[Section 6  
DMSMS Guidance](#)

[Section 7  
Strategic Management](#)

[Section 8  
Evaluation Criteria](#)

[Section 9  
Management Guidance](#)

[Section 10  
DoD DMSMS Working Group](#)

[Section 11  
DMSMS Planning Guidance](#)

[Section 12  
DMSMS Plan & Metrics](#)

[Section 13  
Bill of Materials Data Item Description](#)

[Section 14  
DoD Strategic Plan](#)

[Section 15  
Contracts Guidance](#)

[Section 16  
DMSMS Acronyms](#)



# KMS Meeting Minutes & Action Items

Folder Name: DMSMSWG\_Meetings [ [Back One-level](#) ] [ [Search this folder](#) ]

Folder Description: Minutes from the DMSMS-WG Meetings

Current Sort Order: Name

Sort Option: [Name](#) [Date\(Ascending\)](#) [Date\(Descending\)](#)

Folder Or File Name	Description	File Type	Files in Folder	Sub-folders in Folder	Last Modified	Actions
<a href="#">Meeting Minutes 2006</a>	DMSMS-WG Meeting Minutes 2006	-	4	0	09/27/2007	<a href="#">Delete</a>     <a href="#">Rename</a>
<a href="#">Meeting Minutes 2007</a>	DMSMS-WG Meeting Minutes 2007	-	8	0	10/12/2007	<a href="#">Delete</a>     <a href="#">Rename</a>

All Issues (sorted by Last Update Date, descending)									
No	Issue	Status	Priority	Assigned To	Submitted	Last Update	Due Date	On Schedule	Proj
1039	<a href="#">NADEP's Information</a>	Open	Normal	<a href="#">ROBIN BROWN</a>	10/04/07 10:53AM		12/30/07 00:00AM	Green	
1040	<a href="#">NAV/AIR Instruction</a>	In Progress	High	<a href="#">ROBIN BROWN</a>	10/04/07 10:55AM		03/01/07 00:00AM	Red	
1041	<a href="#">CMIS &amp; OOMA Training</a>	In Progress	Normal	<a href="#">ROBIN BROWN</a>	10/04/07 10:56AM		06/14/07 00:00AM	Yellow	
1042	<a href="#">DMSMS CORE Concept</a>	In Progress	High	<a href="#">ROBIN BROWN</a>	10/04/07 10:59AM		10/01/08 00:00AM	Green	
1043	<a href="#">Technology Refresh Training</a>	Open	Normal	<a href="#">ROBIN BROWN</a>	10/04/07 11:00AM		12/30/07 00:00AM	Yellow	
1044	<a href="#">MARCORSYSCOM Collaboration</a>	In Progress	Normal	<a href="#">ROBIN BROWN</a>	10/04/07 11:01AM		12/30/07 00:00AM	Green	
1045	<a href="#">ModePro Training</a>	Open	Normal	<a href="#">ROBIN BROWN</a>	10/04/07 11:02AM		12/30/07 00:00AM	Green	
1046	<a href="#">Shared Data Warehouse</a>	Open	High	<a href="#">ROBIN BROWN</a>	10/04/07 11:05AM		10/01/08 00:00AM	Green	
1052	<a href="#">DSPO Presentation</a>	Open	Normal	<a href="#">ROBIN BROWN</a>	10/12/07 10:34AM		04/01/08 00:00AM	Green	

[Add New Issue](#)

**MEETINGS ARE RUN FROM THIS SITE**





# KMS Knowledge Exchange

## DMSMS Knowledge Exchange

- [Briefs and Presentations Gallery](#): The Briefs and Presentations Gallery provides community members with an area to post briefs and power point presentations that are relevant to the community. A desktop form is provided for posting the presentation in the Gallery.
- [Success Stories](#): Submitted by a NAVAIR professional who feels he/she has had a successful experience using KMI tools, methods, or techniques to locate relevant knowledge or experience in order to help him/her more effectively address a business issue, problem, or opportunity.
- [Knowledge Management](#): This module is intended to provide a central repository for sharing a Community's knowledge. Users can search across all menus by title, date, author, subject, category, or document type. Searches can also be expanded across more than one community.
- [NAVAIR Logistics Handbook](#): The information presented in the NAVAIR Logistics Handbook (formerly the APML Handbook), is a compilation of acquisition and logistics information and processes from existing government sources including various instructions, guidebooks, guidelines and subject matter presentations, with references and links identified in each of the subject matter appendices.
- [Defense Acquisition Guidebook](#): The Defense Acquisition Guidebook is designed to complement policy documents by providing the acquisition workforce with discretionary best practices that should be tailored to the needs of each program. Acquisition professionals should use this Guidebook as a reference source supporting their management responsibilities.
- [NAVAIR & DAU Communities of Practice](#): Links to supporting NAVAIR-6.0 Communities of Practice and the Acquisition Community Connection (ACC), which features over 30 Defense Acquisition University Communities of Practice and Special Interest Areas.

## Title

[PMA POM Planning For DMSMS](#)

[AvCIP Introduction](#)

[Budgeting for DMSMS](#)

[Counterfeiting - It is worse than you think!](#)

[Aging Aircraft Conference Outbrief \(2007\)](#)

[V-22 DMSMS Lessons Learned](#)

[DMSMS Lessons Learned  
\(Funding/Contracts/Legal\)](#)

[PMA-280 TCEWG and DMSMS/COTS  
Management](#)

[PMA209 Hardware Obsolescence  
Management](#)

[Lockheed Martin \(Owego\) DMSMS Lessons  
Learned](#)



# DASN(L) IPT

- **BOM Data Item Description**

- ✓ Adopted by DoD

- **Contracts Language Guidance**

- ✓ For all Types

- **DMSMS Plan Guidance**

- ✓ Guidebook

“The NAVAIR DMSMS Team” has been a leader in the DoN’s efforts in implementing ASN(RD&A) policies and guidance in mitigating the risk of DMSMS. Their efforts in providing direct support to NAVAIR program offices to proactively manage DMSMS, as well as providing DMSMS awareness and mitigation training have undoubtedly resulted in significant cost avoidance throughout NAVAIR as well as the entire Navy Department”

-Capt. Joe Spruill, Chief of Staff for DASN-L