DMSMS Management:

Planning, Implementation, Assessment, & Metrics

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Aegis DMS Background

- **1991 -** Requests for increased funding of $3M by Original Equipment Manufacturers (OEMs) for redesign efforts, due to obsolescence issues.

- **1992 -** Aegis Program forms Diminishing Manufacturing Suppliers (DMS) Working Group to support Aegis Weapon Systems (AWS) Production Programs

- **1994 –** Implementation of AWS DMSMS Management Plan

- **1995 -** AWS DMS Working Group expands to include support for fielded equipment and life cycle support activities.
Aegis DMS Working Group

• Aegis DMS Working Group
  – PEO IWS 1AQ - Chair
  – Lockheed Martin – Maritime Systems & Sensors
  – Raytheon Integrated Defense Systems
  – General Dynamics - Armament and Technical Products
  – L3 Communications
  – Naval Surface Warfare Center (NSWC) – Crane, IN
  – NSWC - Port Hueneme, CA
  – NSWC – Corona, CA
  – Defense Supply Center Columbus (DSCC)
  – Navy Inventory Control Point (NAVICP)
DMS Management Methodology

AWS DMSMS Management Plan recognized as “Best of Breed” by DASN Logistics in January 2006

AWS DMSMS Management Plan establishes:

• Procedures developed for component DMS and COTS equipment obsolescence management

• Continuous monitoring of alerts and announcements from a variety of sources.

• Assessing of impact to production and post production configurations.

• Sharing and communicating status on all DMS cases via bi-weekly telephone conferences and quarterly face to face meetings
DMS Case Management Process

DMS NOTIFICATION

Suppliers, Government / Industry Alerts, purchased DMS tools and services, Sourcing, etc.

IDENTIFICATION

Determine affected items & assess impact

DMS DATABASE

Assign DMS Case for tracking

EVALUATION

Analyze alternatives and recommend possible resolution path to PEO IWS through Business Case Analysis (BCA) to support lowest cost & lowest technical risk

IMPLEMENTATION

Implement Recommendation/ Procure Material

CASE CLOSURE

Update database when all requirements are complete
**DMS Management Tools Used in Aegis DMSMS**

- Parts Control System (PCS)
- GIDEP
- Q-Star
- CAPS Expert
- COTS Database
- Total Parts Plus
- I2 TAC TRAC
- SMART
DMS Case Resolutions

Most desired, typically least costly

Excess Stock
Replacement Supplier
Replacement Part
Repair (LC only)
Re-Package
NHA Re-Layout
Emulation
Replace on Failure
Reclamation
Life-of-Type Buy (LTB)
Class 2 Redesign
Class 1 ECP

Least desired, typically most costly

Bridge Buy

Bridge Buys provide interim support until Tech Refresh/Tech Insertion Cycle Completion
Aegis DMS Metrics

- DMS Caseload
- COTS/MilSpec Caseload Trends
- Methods of DMS Case Identification
- DMS Case Resolution by Type
- Aging of Open Cases
- Cost Avoidance
DMS Metrics – Caseload

*As of 6/01/06
Historical Aegis Production DMS Caseload (all OEMs)

Note: The entire history would extend back to 1992.
Aegis Production COTS and MIL SPEC Caseload Trends (all OEMs)
Aegis Production FY06
Methods of DMS Case Identification

- Other: 1726-1, PHD notification of DMS issue
- Note: Period covered - 10/05 through 3/06. FY06 does not represent Aegis FY06 contract cases
Aegis Production
FY06 DMS Case Resolutions

Note: Total number of cases resolved during this period (10/05 to 4/06) was 74 and does not represent the Aegis FY06 contract cases.

N/A resolutions:
- 1515-2, RAVE quantities support profile
- 1695-1, 1696-1, 1702-1, Raytheon opened in error
- 1699-1, 1700-1, 1701-1, 1705-1, RCR resistor cases closed to original case number
- 1725-1, duplicate of previous case
Aging of Open Aegis Production DMS Cases

94.5% - less than 18 months
As of 4/1/06

- 18 months or older
- 1536-1 P/N 7012220, LM - Redesign NHA
- 1589-1 P/N 20516299-1, LM - Replacement Part
- 754-2 P/N 2902230-1, Raytheon - LTB

# of cases

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Historical FMS Caseload

- F100 caseload: 307
- J1 caseload: 296
- Korea caseload: 228
- J2 caseload: 188