



***Naval
Visibility & Management of
Operating & Support Costs
(VAMOSOC) Database***

**TOC/CAIV Conference
28 June 2000**

WWW.NAVYVAMOSOC.COM

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What is VAMOSOC?

- Relational database of **direct** O&S costs and operating, reliability and maintainability metrics for Naval systems
- Data collected annually from 125 data sources; some provide expenditure data, others provide obligation data
- Data organized by alternative hierarchical cost element structures (CESs)
 - VAMOSOC CES
 - OSD Cost Analysis Improvement Group (CAIG) CES
- Data presented by Fiscal Year (FY) and by quarter (for aircraft subsystem maintenance data)

- Mission Personnel
- Organizational Consumption
 - Petroleum, Oil, Lubricants (POL)
 - Training Munitions/Expendable Stores
 - Other (e.g., purchased services, TAD/TDY, etc.)
- Organizational Maintenance (i.e., labor/material/overhead)
- Intermediate Maintenance (i.e., labor/material/overhead)
- Depot Maintenance (i.e., labor/material/overhead)
- Modernization/Modification (i.e., labor/material/overhead)
- Software Maintenance (shipboard systems only)
- Engineering & Technical Services
- Training

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Operating & Maintainability Data

Ships

- # of ships in inventory
- Ship status (i.e., active, reserve)
- Percent of FY*
- Steaming hours
- Bbls of fuel by type of fuel
- # officers vs. enlisted
- # of corrective maint actions
- Depot avail type
- Start/end dates of depot avail
- Training course ID#, length & equivalent grads

Ship Subsystems

- # of systems
- # of corrective maint actions
- # of personnel required per system
- # of personnel assigned/trained
- Maintenance manhours

Missiles/Torpedoes

- # of training expenditures
- # of sections repaired

****Beginning with FY98 data, data for partial FY ships were collected. Previous years data only included data for ships in commission the full FY.***

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Coverage

	<u>Qty</u>	<u>FYs</u>	<u>Direct O&S Elements</u>
● Aircraft (<i>by Type/Model/Series</i>)	71	87-98	most
● Ships (<i>by hull</i>)			
– Active	304	84-99	most
– Naval Reserve Force (NRF)	28	89-99	most
– Military Sealift Command (MSC)	146	93-99	most
● Tactical Missiles	18	91-99	most
● Torpedoes	3	91-99	most
● MC Tracked/Wheeled Vehicles	17	92-98	some
● Aircraft Subsystems	1000s	95-99	depends*
● Ship Subsystems	63	86-99	most
	1000s	91-99	depends*

*most for mechanical; **some for electronics**

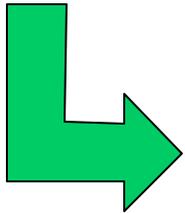
Ship & Ship Subsystem Data



Ship Data Visibility

Force

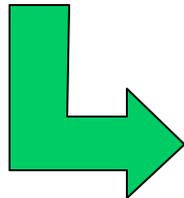
Navy total, and by fleet, type or class
(115 direct \$ elements)



Weapon
System

By hull

(115 direct \$ elements)



Subsystem

By radar, sonar, C⁴I, gun, launcher, etc.

- 31 direct \$ elements (63 subsystems only)
- O&I level man-hours & material \$ (all subsys)
 - Level 4 Equipment identification Code (EIC), e.g. AN/SPS-48 Radar
- Public shipyard depot man-days and labor/material/overhead \$ (all subsystems)
 - Level 5 Expanded Ship Work Breakdown Structure (ESWBS), e.g., AN/SPS-48 Radar
- Government access only

CLS reduces visibility

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SHIP SUBSYSTEMS

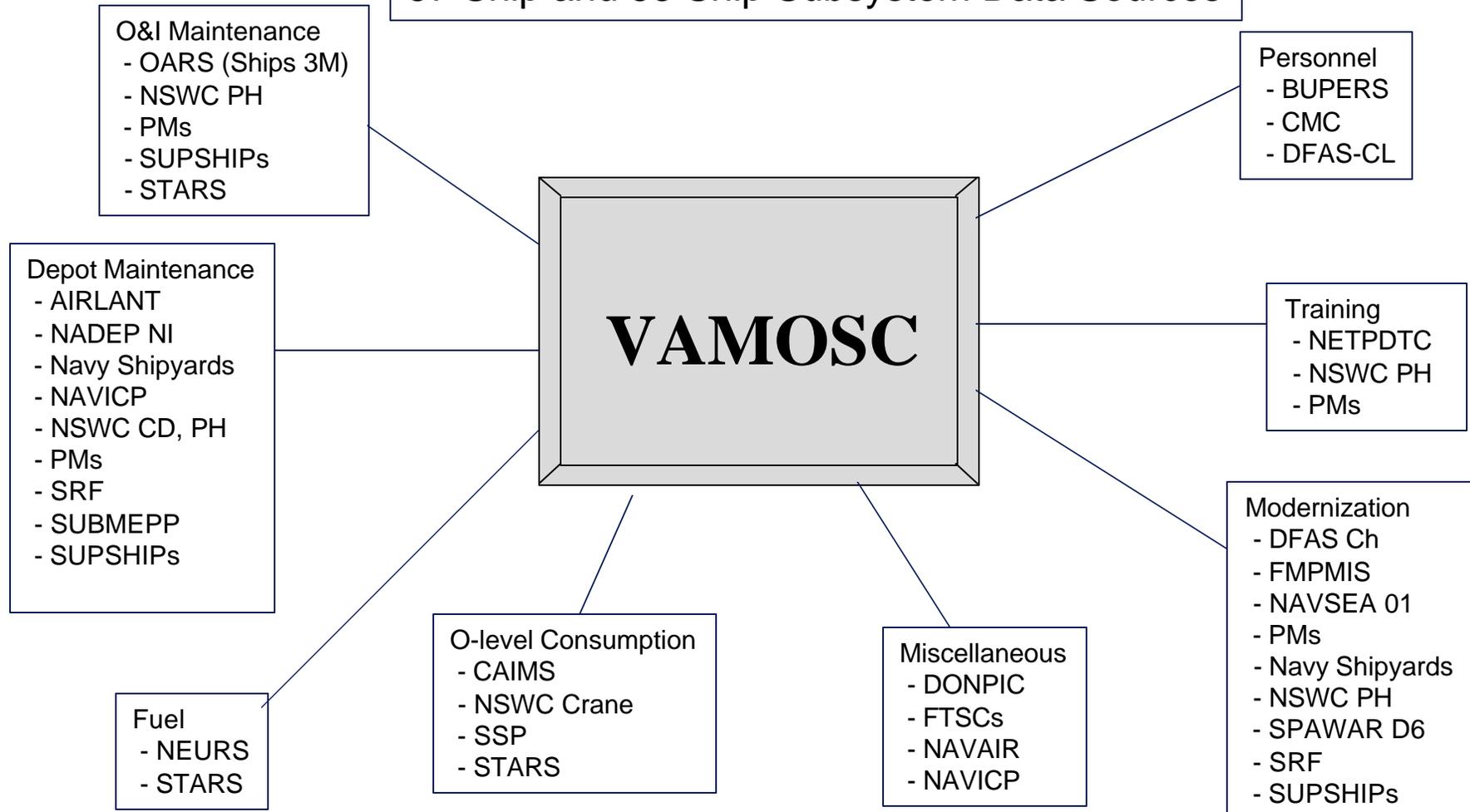
<p><u>FCS(15)</u></p> <p>Surface Ship Harpoon WS MK 7 AEGIS MK 15 CIWS MK 23 MK 31 RAM MK 57 MK 74 FCS MK 86 GFCS MK 92 FCS MK 116 SYQ 20 (ACDS)</p> <p>Submarine CCS MK 1 CCS MK 2 MK 117 MK 118</p>	<p><u>Radars(11)</u></p> <p>Surface Search SPS 55 SPS 64 SPS 67 (V) 1 SPS 67 (V) 3</p> <p>Air Search SPS 40B SPS 40E SPS 48C SPS 48E SPS 49</p> <p>Submarine BPS 15 BPS 16</p>	<p><u>Sonars(9)</u></p> <p>Surface Ship SQS 53A SQS 56 SQQ 89</p> <p>Submarine BQQ 5 BQQ 6 BQS 15 BSY 1 BSY 2</p> <p>Towed Arrays TB 23</p> <p><u>Advanced Display(1)</u> UYQ 70</p>	<p><u>EDTS(4)</u> MK 14 WDS SYS 2 IADTS URC 107 (JTIDS) USG 1/2 (CEC)</p> <p><u>EWS(6)</u> SLQ 25 SLQ 32 SRS 1 WLQ 4 WLR 1H WLR 8</p> <p><u>Mine Neutralization(2)</u> SLQ 48 SQQ 32</p>
<p><u>Communications(3)</u> BRD 7 USC 38 USQ 82</p>	<p><u>Guns(3)</u> MK 42* MK 45 MK 75</p>	<p><u>Engine(1)</u> LM 2500</p>	<p><u>Missile Launchers(3)</u> MK 16 ASROC* MK 26 GMLS MK 41 VLS</p>
<p><u>Elevators (2)</u> Aircraft Elevators Weapons Elevators</p>	<p><u>Meteorological & Oceanographic (METOC) (5)</u> Tactical Environmental Support System (TESS) Navy Integrated Tactical Environmental Support System Meteorological Satellite Data and Receiver Recorder Mini-Rawin System (MRS), Global Positioning System (GPS) Shipboard Meteorological & Oceanographic Observing System</p>		

* DATA NO LONGER COLLECTED FOR THESE SYSTEMS

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Ship & Ship Subsystem Data Sources

57 Ship and 53 Ship Subsystem Data Sources



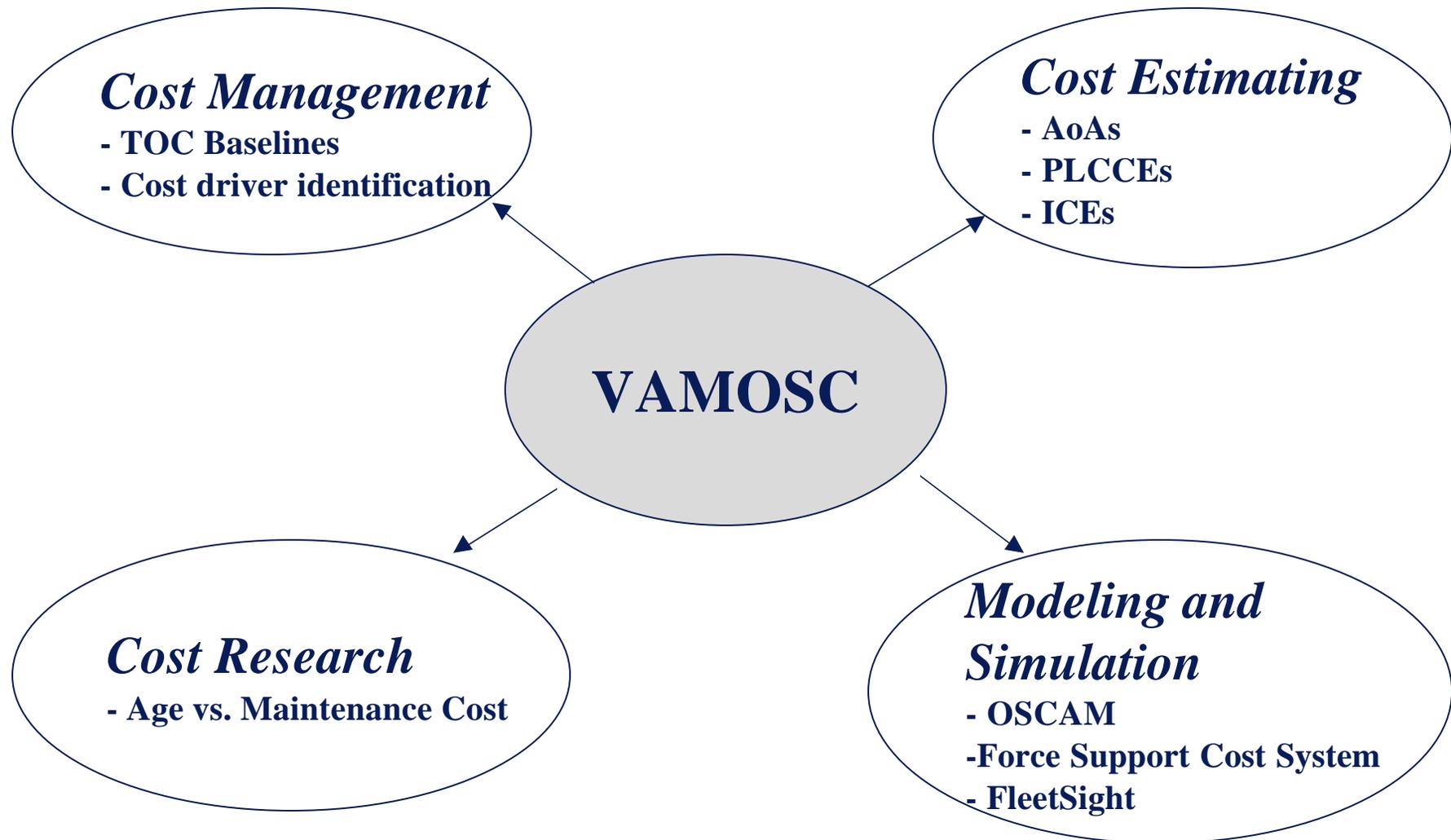
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Who Uses VAMOSOC Ship Data?

- NCCA
- NAVSEA (Program Offices, Cost Estimating Group, NSWCs)
- NPGS, MIT
- OSD PA&E
- Other Government offices
- Contractors

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What is VAMOSOC Used For?



Missile & Torpedo Data



Missiles

- AMRAAM
- Hellfire
- HARM
- Harpoon
- JSOW
- Maverick
- Penguin
- Phoenix
- RAM
- Sidarm
- Sidewinder
- SLAM
- Sparrow
- Standard
- Tomahawk
- TOW
- VLA
- Walleye

Torpedoes

- MK 46
- MK 48
- MK 50

Missile & Torpedo Data Sources

- **NAVAIR/PEOs**
 - Operations
 - Maintenance
 - Modification
 - ETS
 - Sustaining investment
 - Software maintenance
 - Other
- **CNO**
 - Weapon expenditures
 - Weapon inventories
- **NETPDTC**
 - Training
- **NAVORDCEN**
 - RSSI
- **NAVTRANSUPPCEN**
 - Second destination transportation

VAMOSC Improvement Plan



- “Best” centralized source for determining O&S cost baseline from which to establish & manage reduction goals
- **But** significant improvements required to increase
 - Breadth (i.e., system & cost element coverage)
 - Depth (i.e., cost element visibility)
 - Timeliness
- Goals
 - Breadth: include all direct & linked indirect O&S costs, regardless of color of money & funding source, for as many systems/subsystems as possible
 - Depth: provide visibility required to understand costs, if possible
 - Timeliness: post annual data by 1 March, quarterly data by close of following quarter

Vision: Reliable tool that enables all customers to understand DON O&S costs

- Conducted Independent Verification & Validation (IV&V) of entire system
 - Most of IV&V performed by PricewaterhouseCoopers (PwC)
 - Separate IV&V performed on aircraft maintenance subsystem data by Information Spectrum (ISI)
 - Looked at
 - Data sources
 - Data collection procedures
 - Data processing
 - Data presentation & distribution
- Moved VAMOSOC server to commercial location (UUNET)
 - Improved speed and connectivity

Data accuracy, precision, and availability are paramount

Ship/Ship Subsystems

- Little-to-no indirect/infrastructure costs included
- Limited visibility into DON appropriation/budget fields
- Reserve manning costs for active ships not included*
- Marine manning costs not included
- No visibility into # & cost of operators vice maintainers
- Nuclear fuel costs not included
- ESWBS problems often preclude visibility into public shipyard depot costs for subsystems
- No visibility into totals for private shipyard depot costs
- Some SCN-funded availabilities not included*
- Some double-counting of contracted depot service costs*
- Some incorrect availability type mapping exists for public shipyard data*
- Centrally Provided Material (CPM) costs are programmed costs, not actual costs
- Some training costs not included*
- PM funded costs for subsystems (e.g., SW maint, engr/tech services, others) not included in ship totals
- With a few exceptions, subsystem costs not identified by variant (e.g., AN/SQQ-89, not AN/SQQ-89(V)4)

Missiles/Torpedoes

- Some fleet training costs not included (e.g., range \$, target maintenance \$)

- Every element was rated based on three attributes
 - Accuracy - degree of conformity of a reported element to true value
 - Example: CG-60 O&S costs are accurate if within certain % of what was actually spent on O&S for CG 60
 - Precision - extent to which a reported element is accurate
 - Example: CG-60 O&S costs are accurate & precise if the lower level data are accurate
 - Coverage - degree to which all necessary elements are included
 - Example: CG-60 O&S costs that don't include manpower costs are lacking full O&S coverage

Rating Criteria

No Issue	
Minor Issue (when applicable, less than 10% discrepancy)	
Major Issue (when applicable, more than 10% discrepancy)	

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PwC IV&V Effort Individual Ship Report (ISR) Rating

ISR Report Element Groups	Accuracy	Precision	Coverage	% of Total \$
1.1.1.1 & 1.1.1.2 Officer & Enlisted Manpower - Navy & Marine				48.43%
1.1.1.3 Permanent Change Of Station (PCS)	N/A	N/A	N/A	0.46%
1.1.1.4 Temporary Additional Duty (TAD)				0.16%
1.2.1 Ship Petroleum, Oil And Lubricants (POL)				5.28%
1.2.2 & 1.2.3 Repair Parts/Repairables & Supplies				6.04%
1.2.4 Training Expendable Stores				3.58%
1.3 Purchased Services				1.86%
2.1 - 2.3, B.1 & B.2 I & O-Level Maintenance				1.89%
2.4 Commercial Industrial Services				0.00%
3.1.1.1 etc. B.3 - B.7 Public Shipyard				11.53%
3.1.1.2 etc. Private Shipyard				6.45%
3.1.1.3 etc. Ship Repair Facility				0.44%
3.1.3 & 3.2.3 Other Overhaul & Non Scheduled Repairs				0.07%
3.3.4 Centrally-Provided Material				5.34%
3.3.5 Other (FM)				1.36%
3.3.6 Outfitting And Spares				0.99%
3.4.1 Naval Aviation Depot (NADEP)				0.32%
3.4.2 Field Change Installation				0.01%
3.4.3 Rework				0.38%
3.4.4 Design Services Allocation				0.00%
3.4.5 Pera, Submepp Planning And Procurement				0.88%
3.4.6 Ship Program Manager (SPM)				1.13%
4.1 Training				2.70%
4.2 Publications				0.03%
4.3 Engineering And Technical Service (ETS)				0.58%
4.4 Ammunition Handling				0.08%
A.2.1 & A.3.1 No. Of Personnel - Marine Corps				N/A
A.2.2 & A.3.2 No. Of Personnel - Navy				N/A
A.4 Steaming Hours				N/A
A.5 Totals Barrels Of Fuel Consumed				N/A

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PwC IV&V Effort Ship Subsystem Report (SSR) Rating

SSR Report Element Groups	Accuracy	Precision	Coverage	% of Total \$
1001.1, 2104 Manpower, Total Personnel Assigned	Red	Red	Yellow	26.6%
1001.2 Fossil Fuel	Green	Green	Green	23.7%
1001.3 Expendable Ordnance	Green	Green	Green	4.3%
1002.1 Org Repair Parts	Yellow	Yellow	Green	1.2%
1002.2 Intermediate Maintenance	Yellow	Yellow	Green	0.5%
1002.3.1.1 Public Shipyards	Red	Red	Green	0.3%
1002.3.1.2 Private Shipyards	Yellow	Yellow	Green	0.3%
1002.3.1.3 Ship Repair Facilities	Red	Red	Red	0.0%
1002.3.2.1 Alterations (Program Manager Input)	Green	Green	Green	4.5%
1002.3.2.1.1 Public Shipyards (FMP)	Red	Red	Green	0.9%
1002.3.2.1.2 Private Shipyards (FMP)	Yellow	Yellow	Green	0.2%
1002.3.2.1.3 Ship Repair Facilities (FMP)	Red	Red	Green	0.0%
1002.3.2.2 Centrally Provided Material	Yellow	Red	Green	8.5%
1002.3.3 System Component Rework	Yellow	Yellow	Green	7.0%
1002.3.4 Other Depot Maintenance	Green	Green	Green	1.1%
1002.4 Engineer And Tech Services	Green	Green	Green	6.6%
1002.5 Embedded Cptr S/Ware Support	Green	Green	Green	2.0%
1003 Replenishment Spares	Yellow	Yellow	Green	4.2%
1004.1 PCS	Yellow	Red	Green	0.6%
1004.2, 2105 Training, Personnel Trained	Yellow	Yellow	Red	7.5%
2103 Personnel Required Per System	Green	Green	Green	N/A
2202 Org Corrective Maint Manhours	Yellow	Yellow	Green	N/A
2203 IMA Maint Manhours	Yellow	Yellow	Green	N/A
2204 Depot Maintenance Manhours	Red	Red	Green	N/A
2205 Number Of Corrective Maint Actions	Yellow	Yellow	Green	N/A

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PwC IV&V Effort Weapon System Report (WSR) Rating

WSR Report Element Groups	Accuracy	Precision	Coverage	% of Total \$
1001.1 Operational Training	Yellow	Yellow	Red	3.5%
1001.2 Weapon Expenditures	Red	Red	Yellow	49.9%
1002.1 Intermediate-Level Maintenance	Yellow	Yellow	Green	7.0%
1002.2.1 Depot Maintenance (Organic) – AUR Maintenance	Yellow	Yellow	Green	2.4%
1002.2.2 Depot Maintenance (Organic) – Section Repair	Yellow	Yellow	Green	3.2%
1002.3.1 Depot Maintenance (Contractor) – AUR Maintenance	Yellow	Yellow	Green	3.9%
1002.3.2 Depot Maintenance (Contractor) – Section Repair	Green	Green	Green	1.6%
1003 Second Destination Transportation	Green	Green	Yellow	1.1%
1004 Receipt, Segregation, Storage, and Issue (RSSI)	Green	Red	Green	1.0%
1005 Logistics/Engineering Support	Yellow	Yellow	Red	8.0%
1006 Sustaining Investment	Yellow	Yellow	Green	4.2%
1007 System Software Maintenance	Green	Green	Green	4.8%
1008 Demilitarization and Disposal Costs	Green	Green	Green	0.6%
1009 Modification Costs	Green	Green	Green	4.2%
1010.1 Training	Yellow	Yellow	Green	1.6%
1010.2 System Unique Costs	Green	Green	Green	0.7%
1010.3 Maintenance Management/Core Costs	Red	Red	Green	1.4%
1010.4 Quality Evaluation Program	Green	Green	Green	0.8%
1010.5 Gages	Green	Green	Green	0.02%

- Address limitations
 - Correct data anomalies
 - Interact with data providers to ensure quality of data
 - Review quality control procedures
 - Fully exploit current VAMOSOC data sources
 - Leverage new (to VAMOSOC) data sources
 - Automate statistical V&V procedures
 - Streamline data collection process via direct feeds from sources & exploitation of centralized sources (e.g., collect PM-funded costs from STARS and/or FMIS vice PMs)
 - Update user manuals & develop training curriculum/materials

- Option 1: Direct access via Internet (Web Intelligence)
 - Web Intelligence website: www.navyvamosoc.com
 - Links to NCCA/VAMOSOC website and VAMOSOC training manual
 - Request access via www.ncca.navy.mil
 - Access form on VAMOSOC webpage
 - Username/password issued within two working days
- Option 2: Request specific data via e-mail to NCCA
- Government users granted access to all data
- Contractors granted access to summary level data only
 - No visibility into business sensitive depot maintenance data
 - No breakouts of labor, material, overhead, ESWBS
 - SYSCOM's may waive restriction a case by case basis

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VAMOSOC POCs





Backup

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History of VAMOSOC

- Began as Congressional mandate in 1970s, based on GAO recommendation that DoD should accurately determine weapon system O&S costs
- DoD established VAMOSOC program and steering group to implement DoD directive 7220.33, 5/84
- Senate Appropriations Committee directed services to develop VAMOSOC capability in FY88
- Management of Navy VAMOSOC assigned to NCCA in 10/92 through SECNAVINST 5000.2A, 12/92
- VAMOSOC administration assigned to OSD CAIG in 11/92
- Naval VAMOSOC database converted to relational form and distributed on-line in FY97

Ship Cost Element Structure (CES)

1.0 Direct Unit Costs

1.1 Personnel

1.2 Material

1.2.1 Ship POL

1.2.2 Repair Parts/Repairables

1.2.3 Supplies

1.2.4 Training Expendable Stores

1.3 Purchased Services

2.0 Direct Intermediate Maintenance

2.1 Afloat Maintenance Labor

2.2 Ashore Maintenance Labor

2.3 Material

2.4 Commercial Industrial Service

Note: Slide depicts the top level of 140 total elements.

3.0 Direct Depot Maintenance

3.1 Scheduled Ship Overhaul

3.1.1 Regular Overhaul

3.1.2 Selected Restricted Availability

3.1.3 Other Scheduled Ship Overhaul

3.2 Non-scheduled Ship Repair

3.2.1 Restricted Availability

3.2.2 Technical Availability

3.2.3 Other Non-Scheduled Ship Repair

3.3 Fleet Modernization

3.3.1 Public Shipyards

3.3.2 Private Shipyards

3.3.3 Ship Repair Facility

3.3.4 Centrally Provided Material

3.3.5 Other

3.3.6 Outfitting and Spares

3.4 Other Depot

3.4.1 Naval Aviation Depot

3.4.2 Field Change Installation

3.4.3 Rework

3.4.4 Design Services

3.4.5 PERA, SUBMEPP Planning & Procurement

3.4.6 Ship Program Manager

4.0 Indirect O&S Costs

4.1 Training

4.2 Publications

4.3 Engineering & Technical Services

4.4 Ammo Handling

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Ship Subsystem Cost Element Structure

ELEMENT NO. DESCRIPTION

1001	DIRECT SYSTEM OPERATION
1001.1	MANPOWER
1001.2	FOSSIL FUEL
1001.3	EXPENDABLE ORDNANCE
1002	DIRECT SYSTEM MAINTENANCE
1002.1	ORG REPAIR PARTS
1002.2	INTERMEDIATE MAINTENANCE
1002.2.1	AFLOAT IMA REPAIR PARTS
1002.2.2	ASHORE IMA REPAIR PARTS
1002.2.3	IMA LABOR
1002.3	DEPOT MAINTENANCE
1002.3.1	SYSTEM OVERHAUL AND REPAIR
1002.3.1.1	PUBLIC SHIPYARDS
1002.3.1.2	PRIVATE SHIPYARDS
1002.3.1.3	SHIP REPAIR FACILITIES
1002.3.2	FLEET MODERNIZATION
1002.3.2.1	ALTERATIONS
1002.3.2.1.1	PUBLIC SHIPYARDS
1002.3.2.1.2	PRIVATE SHIPYARDS
1002.3.2.1.3	SHIP REPAIR FACILITIES
1002.3.2.2	CENTRALLY PROVIDED MATERIAL
1002.3.3	SYSTEM COMPONENT REWORK
1002.3.3.1	LOGCEN
1002.3.3.2	PM INPUT
1002.3.4	OTHER DEPOT MAINTENANCE
1002.4	ENGINEER AND TECH SERVICES
1002.5	EMBEDDED CPTR S/W SUPPORT
1003	REPLENISHMENT SPARES
1004	OTHER SYSTEM COSTS
1004.1	PCS
1004.2	TRAINING

ELEMENT NO. DESCRIPTION

2100	SHIPBOARD SYSTEMS OPERATING DATA
2101	NUMBER OF SYSTEMS
2104	TOTAL PERSONNEL ASSIGNED
2105	PERSONNEL TRAINED
2200	SHIPBOARD SYSTEM MAINT DATA
2201	MAINTENANCE PHILOSOPHY
2202	ORG CORRECTIVE MAINT MANHOURS
2203	IMA MAINT MANHOURS
2203.1	AFLOAT IMA MANHOURS
2203.2	ASHORE IMA MANHOURS
2204	DEPOT MAINT MANHOURS
2205	NUMBER OF CORRECTIVE MAINT ACTIONS

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Missile & Torpedo Major Cost Categories

- Operations
- Intermediate Maintenance
- Depot Maintenance
- Second Destination Transportation
- Receipt, Segregation, Storage, Issue
- Engineering & Technical Support
- Sustaining Investment
- Software Maintenance
- Other

1.0 Mission Personnel

1.1 Ship Personnel

2.0 Unit Level Consumption

2.1 Ship POL

2.2 Repair Parts/Supplies

2.3 Depot-Level Repairables

2.4 Training Munitions/Expendable
Stores

2.5 Purchased Services

2.6 Other (TAD)

3.0 Intermediate Maintenance

3.1 Maintenance Afloat

3.2 Maintenance Ashore

3.3 Repair Parts/Supplies

3.4 Commercial Industrial Services

4.0 Depot Maintenance

4.1 Scheduled Overhaul

4.2 Nonscheduled Overhaul

4.3 Fleet Modernization

4.4 Equipment Rework

4.5 Naval Aviation Depot

4.6 Other Depot

5.0 Contractor Support

6.0 Sustaining Support

6.1 Support Equipment Replacement

6.2 Centrally Provided Material

6.3 Sustaining Engineering Support

6.4 Software Maintenance Support

6.5 Simulator Operations

6.6 Other

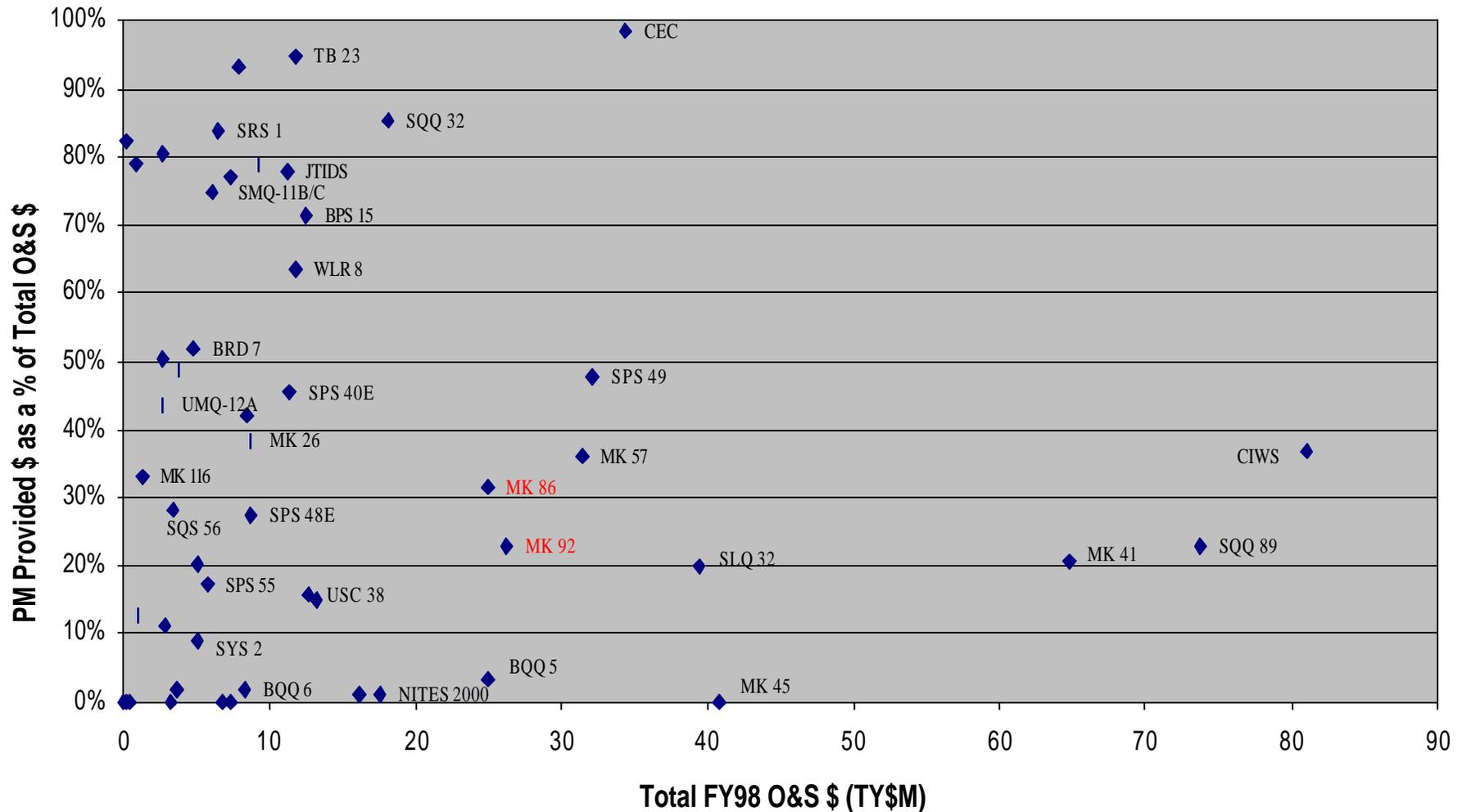
7.0 Indirect Support

7.1 Personnel Support

7.2 Installation Support

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Significance of PM Provided Cost Data for Ship Subsystems



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Cost Elements With All or Partially PM-Provided Data

- 1002.3.2.1 Alterations
- 1002.3.2.2 Centrally Provided Material (CPM)
- 1002.3.3 System Component Rework
- 1002.3.4 Other Depot Maintenance
- 1002.4 Engineering and Technical Services
- 1002.5 Embedded Computer Software Support
- 1003 Replenishment Spares
- 1004.2 Training

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3M Data Timeliness

TYCOM	30 Days	60 Days	90 Days	120 Days	150 Days	180 Days	210 Days
SUBPAC	74	87	91	93	94	95	96
SUBLANT	54	79	85	87	89	91	92
SURFLANT	92	97	98	99	99	99	99
SURFPAC	75	86	89	91	92	92	93
AIRLANT	43	73	87	92	95	96	96
AIRPAC	64	82	86	92	93	95	95

Table shows the % of total data that arrives at NAVSEALOGCEN beginning with 30 days after action was taken. This % is calculated based on the elapsed time between date action was taken and date record arrived at NAVSEALOGCEN. For example, NAVSEALOGCEN received 74% of SUBPACs records within 30 days of when they were created.

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Web Intelligence Universe Panel

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Search for: Refresh List Expand

Welcome

11 Available universes. This list was last refreshed: Jun 22 11:56:29 2000.

Name ▲	From	Date
AVIATION FLIGHT DATA (FLIGHT)	Universe	May 31 06:48:10 2000
AVIATION MAINTENANCE SUBSYSTEM DATA (AVIN2)	Universe	Jun 19 15:44:07 2000
AVIATION SUPPORT EQUIPMENT (SEQUIP2)	Universe	Mar 24 07:36:55 2000
AVIATION TYPE/MODEL/SERIES REPORT (AIRCES2)	Universe	Mar 30 08:37:08 2000
DETAILED SHIPS DATA (NCD2)	Universe	Jun 16 17:57:26 2000
MARINE CORPS GROUND SYSTEMS (USMC1)	Universe	Mar 24 11:04:19 2000
MARINE CORPS GROUND SYSTEMS FY 1995 (USMCNSN2)	Universe	Mar 24 08:03:36 2000
SHIP TRAINING DATA (TRAIN2)	Universe	May 04 15:43:40 2000
SHIPBOARD SYSTEM DATA (shipbrd1)	Universe	Jun 21 07:10:02 2000
SHIPS DATA (SHIP2)	Universe	May 05 07:59:46 2000
SHIPS DATA SUMMARY (SHIP4)	Universe	May 05 08:00:44 2000

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Inbox Documents

Scheduled Documents

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Start Inbox - Microsoft Outlook Microsoft PowerPoint - [VA... Universes available t...

12:01 PM

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Web Intelligence ISR Query Panel

The screenshot displays a Microsoft Internet Explorer browser window titled "Edit document: - Microsoft Internet Explorer provided by DoN INPO". The address bar shows a complex URL: `bPanelFrame&context=c0&UniverseName=SHIP2&RepositoryId=12&UniverseId=16&DocumentName=&WithContext=Y&Type=N`. The main content area is titled "SHIPS DATA" and features a left-hand navigation pane with a tree view of objects including Ship Name, Ship Class, Ship Fleet, Ship Type, Ship Unit Identification Co, Hull Number (highlighted), Ship Status, and various dollar amounts. The main workspace is divided into sections: "Section" with a "Hull Number" field, "Details: Crosstab Table" with fields for "Fiscal Year", "Element Number", "Element Description", and "Constant FY 00 Dollars", and "Scope of Analysis" with a descriptive text box. At the bottom, there are buttons for "Results", "Conditions", "Settings", "Apply Format", and "Run Query". The Windows taskbar at the bottom shows the Start button and several open applications: Microsoft Outlook, Microsoft PowerPoint, and the current Internet Explorer window. The system clock indicates 12:02 PM.

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Web Intelligence ISR Results Panel

Document Results - Microsoft Internet Explorer provided by DoN INPO

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Last refresh: 6/22/00 11:56:28 AM

CG-0047

		1984	1985	1986	1987	1988
		Constant FY 00 Dollars	Constant FY 00 Dollars	Constant FY 00 Dollars	Constant FY 00 Dollars	Constant FY 00 Dollars
1.0	DIRECT UNIT COSTS	46,333,880	23,700,474	23,282,901	20,876,482	22,223,
1.1	PERSONNEL	10,522,070	10,641,787	10,997,290	10,972,006	10,736,
1.1.1	MANPOWER	10,484,136	10,573,638	10,921,616	10,915,894	10,700,
1.1.1.1	MANPOWER-NAVY	10,484,136	10,573,638	10,921,616	10,915,894	10,700,
1.1.1.1.1	OFFICER MANPOWER-NAVY	1,591,922	1,533,300	1,600,045	1,536,195	1,587,
1.1.1.1.2	ENLISTED MANPOWER -NAVY	8,892,214	9,040,338	9,321,571	9,379,699	9,113,
1.1.1.2	MANPOWER-MARINE	0.00	0.00	0.00	0.00	0
1.1.1.2.1	OFFICER MANPOWER - MARINE	0.00	0.00	0.00	0.00	0
1.1.1.2.2	ENLISTED MANPOWER - MARINE	0.00	0.00	0.00	0.00	0
1.1.2	PERMANENT CHANGE OF	0.00	0.00	0.00	0.00	

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