Visibility and Management of Operating & Support Costs (VAMOSC)

- **Web-enabled** management information system that collects and reports historical **Navy** and **USMC Operating and Support (O&S) costs** on an **annual** basis
  - $96+B annual weapon system specific costs including DON Pers
  - ~ 140 financial and non-financial data sources
  - ~ 1200 **O&S** cost and non-cost elements
  - Weapons systems **direct** and **linked indirect** costs
  - Costs in Then Year and Constant Year dollars
- Data presented in alternative hierarchical formats
  - VAMOSC cost element structure
  - OSD CAIG cost element structure
History of Naval VAMOSC

- **1975** Deputy Secretary of Defense directed Services to collect actual weapon system O&S costs
- **1976** CNO initiated Navy and Marine aircraft data system managed by Naval Air Systems Command
- **1984** DoD established VAMOSC program and steering group
- **1988** Senate Appropriations Committee directed Services to develop VAMOSC capability
- **1992** Management of Naval VAMOSC assigned to NCCA, and OSD CAIG identified to provide executive oversight
- **1997** Naval VAMOSC moved to electronic database environment
- **2002** Major Naval VAMOSC re-engineering completed, significant enhancements and improvements delivered
- **2003** Military Personnel database released
- **2008/09** Infrastructure, Ships Depot, CIVPERS databases and updated manpower model released
Naval VAMOSC Data Sources

Military Personnel
- NAVPERSCOM
- CMC
- DFAS-CL (STARS)
- DMDC
- HQMC
- MSC (N11, N82)

Depot Maintenance
- AIRLANT
- COMPACFLT (SRF data)
- MSC (N82)
- FRC SW
- NAVAIR
- NAVICP
- Navy Shipyards
- Program Offices
- SSP
- SUBMEPP
- SUPSHIPs/RMCs
- USMC (MSC data)
- USMC LOGCOM

Fuel
- NETC FHP
- CNO N43 (FHP)
- DFAS-CL (STARS)
- MSC (N7, N82)
- NAVSEALOGCEN (NEURS)
- USMC P&R

Civilian Personnel
- DFAS
- CPMS

Infrastructure
- CNIC
- INFADS

Modernization
- COMPACFLT (SRF data)
- DFAS Charleston
- MSC (N82)
- NAVAIR
- NAVSEA 04 (FMPMIS)
- Navy Shipyards
- Program Offices
- SPAWAR D6
- SSP
- SUPSHIPs/RMCs

O&I Maintenance
- NETC
- CNO N43 (FHP)
- DFAS-CL (STARS)
- MSC (N82)
- NAVAIR (AV-3M)
- NAVSUP
- NAVSEALOGC EN (Ships 3M)
- Program Offices
- SUPSHIPs/RMCs
- USMC (MSC data)
- USMC LOGCOM

O-level Consumption
- NETC
- CNO N43 (FHP)
- DFAS-CL (STARS)
- MSC (N82)
- NOLSC (OIS)
- NSWC Crane
- SSP
- USMC (MSC data)
- USMC LOGCOM

Training
- MSC (N82)
- NETPDTC
- Program Offices
- SSP
- USMC T&E

Miscellaneous
- DONPIC
- RMCs
- MSC (N11, N82)
- NOLSC
- NATEC
- NAVAIR
- Naval Logistics Library
- NAVSUP 51
- NAWC TSD
- Program Offices
- USMC SYSCOM

>320 Data Sets
VAMOSC Process Flow

1. Collect Raw Data
2. Evaluate, Test, and Load (ETL) Raw Data
3. Test & Evaluate ETL’ed Data
4. Process Data
5. Test & Evaluate Processed Data
6. VAMOSC
Naval VAMOSC Users

- **Cost communities**
  - Analysis of current systems
    - SYSCOMs, Other Services
  - Estimates for emerging systems
    - NCCA, SYSCOMs, OSD Cost Assessment and Program Evaluation (CAPE)
- **Navy maintenance, readiness, logistics communities**
  - SYSCOMs (Program Offices, Naval Warfare Centers)
  - Naval Aviation & Surface Warfare Enterprises
  - OPNAV, Fleet staffs
- **Cost research**
  - NPS Monterey
  - Other government offices
    - Congressional Budget Office
    - Government Accountability Office

Approx 800 current registered VAMOSC users plus 100’s of ad hoc users
Obtaining Data

Custom Queries
User Support Documentation

- BusinessObjects Quick Reference Guide
- CAC/PKI FAQ
- CAC User Guide
- User Manuals
  - Updates and improvements
  - Definition of cost & data elements
  - Usage tips - obtaining data
  - Appendices
  - Acronyms, escalation indices, data flow diagrams, valid values
- Anomalies Documents
  - Changes in data sources, structures
  - Abnormally high or low values
    - Data provider explanations
- Deficiencies Documents
  - Lists specifics on missing or incomplete data
- On-line training videos
  - General “how-to” and database-specific videos
# Naval VAMOSC Components

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<tr>
<th>Aviation</th>
<th>Navy Infrastructure</th>
<th>Ships</th>
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<td>NAVFAC Property Records</td>
<td>FY93-10 (MSC)</td>
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<thead>
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<th>USMC Ground Systems</th>
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<tr>
<td>FY1995 - 2010</td>
<td>FY1990 - 2010</td>
<td>FY02-10 DON Military</td>
</tr>
<tr>
<td>474 Ground Combat Systems</td>
<td>17 Air-Launched Missiles</td>
<td>FY04-10 DON Civilians</td>
</tr>
<tr>
<td></td>
<td>10 Surface-Launched Missiles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 Torpedoes</td>
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</tr>
</tbody>
</table>

[Naval VAMOSC Overview](https://www.vamosc.navy.mil)
Recent Enhancements and Improvements

• Quarterly Updates
  – Refresh data that’s easily retrieved
  – Add source data not previously available
  – Take advantage of gains in data / business processes

• Annual Updates
  – Fourteen databases updated annually
  – Third consecutive early release
Recent Enhancements and Improvements (Cont.)

MILPERS

• Fixed data deficiencies:
  o FY02-09 bonus data
  o FY04 Reserve Component Incentive Program Pay
  o FY07/08 Active Duty Separation Pay (USMC/Navy)
  o FY02/07 PCS data (USMC/Navy)
  o FY03-10 Marine PCS allocation rate differentiated between officers and enlisted
  o FICA recalculated to be based on Base Pay only

• Updated UIC descriptions with supplemental data source

• Added ‘RUC Description’, ‘RUC/MCC Code’ and ‘RUC/MCC Description’ elements to USMC subfolders

• MILPERS and CIVPERS - developed a standardized Data Element “Count Who Received Dollars” as a way to count numbers if individuals receiving base pay

CIVPERS

• Added capability to query in constant year dollars and by descriptions of 'Major Occupation Group Code-Functional Occupation Group Code', 'DoD Occupation Group Code', and 'Occupation Code'
Recent Enhancements and Improvements (Cont.)

Aviation

- Added Flying Hours folder to NAMSR
- Added Aircraft Category and PEO as data measures to improve query capabilities
- Added FY02-09 Personnel counts
- Fixed data deficiencies:
  - FY10 non-personnel costs due to aircraft inventory updates
  - FY03-09 FHP fuel consumption factors
  - FY00-09 FHP costs for C-130T, previously misreported as TC-130G
  - FY03-09 Operational Training costs to better map certain devices to the appropriate aircraft TMS
  - FY04-07 Modification Kits and Installation Costs to capture previous years’ obligations
Recent Enhancements and Improvements (Cont.)

Ships

- Added new element L.0: Days - Steaming Underway
- Added new element M.0: Ship Age to the Class Averages Folder
- Updated FY02-09 Ships O and I level maintenance costs
- Added FY02-09 Ships O and I level maintenance dimension elements to Detailed Ships
- (MSC) Added the breakout of material and labor costs for Intermediate Level maintenance for FY96-09
- Fixed data deficiencies:
  - FY09-10 Program Office data for submarine EW systems
  - FY10 FMP Other data for ships
Recent Enhancements and Improvements (Cont.)

Infrastructure

- Updated INFADS with USMC facilities data and 'Maintenance Responsible UIC' for 30 Sept 2006
- Added Plant Replacement Value (PRV) at the Utilization level in INFADS
- Added "Other Unit of Measure" (3rd measure to supplement 'AREA' and 'ALTERNATE') in INFADS
- Included new element derived from NAVFAC P72:
  - DoD Facility Analysis Category Codes and Descriptions for each Facility’s Prime Use Category

USMC Ground Equipment

- Added 70 new systems
- Consolidated folders to query by RAC for Parts and Labor
- Added parts nomenclature to NSNs and added ERO counts to O and I maintenance
- Realigned ammunition process to capture data otherwise lost due to TAMCN/DODIC mapping
- Removed Fuel and OPTEMPO data