A Warfighter’s View of DMSMS

Presented by: Col Ed Mays AC PS

August, 2011
Report Documentation Page

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE
AUG 2011

2. REPORT TYPE

3. DATES COVERED
00-00-2011 to 00-00-2011

4. TITLE AND SUBTITLE
A Warfighter’s View of DMSMS

5a. CONTRACT NUMBER

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

6. AUTHOR(S)

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
Marine Corps Systems Command, 2200 Lester Street, Quantico, VA, 22134-6050

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

10. SPONSOR/MONITOR’S ACRONYM(S)

11. SPONSOR/MONITOR’S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution unlimited

13. SUPPLEMENTARY NOTES
Presented to: DMSMS and Standardization Conference, Hollywood, FL Aug. 29-Sept 01, 2011

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:

<table>
<thead>
<tr>
<th>a. REPORT</th>
<th>b. ABSTRACT</th>
<th>c. THIS PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>unclassified</td>
<td>unclassified</td>
<td>unclassified</td>
</tr>
</tbody>
</table>

17. LIMITATION OF ABSTRACT
Same as Report (SAR)

18. NUMBER OF PAGES
19

19a. NAME OF RESPONSIBLE PERSON

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18
“To a Marine, the term ‘Expeditionary’ is more than a slogan; it is our state of mind. It drives the way we organize our forces, how we train, and what kind of equipment we buy.”

- Gen. Amos, Commandant’s Planning Guidance 2010

Priorities of the 35th Commandant of the Marine Corps

- We will continue to provide the best trained and equipped Marine units to Afghanistan. This will not change. This remains our top priority!

- We will rebalance our Corps, posture it for the future and aggressively experiment with and implement new capabilities and organizations.

- We will better educate and train our Marines to succeed in distributed operations and increasingly complex environments.

- We will keep faith with our Marines, our Sailors and our families.

“The future security environment requires a mindset geared toward increased energy efficiency and reduced consumption, thus allowing us to operate lighter and faster.”

- Gen. Amos, Commandant’s Planning Guidance 2010
A Primer On The New Way of Doing Business: Acquisition Policy Changes

Target affordability and control growth of costs

- Require affordability.
- Increase productivity using “will cost/should cost” management.
- Eliminate redundancy in war fighter portfolios.
- Make production rates economical and hold them stable.
- Set shorter program timelines and manage according to them.

Create incentives for productivity and innovation in industry

- Reward contractors for successful expense management.
- Increase use of “fixed-price incentive firm” contract type where appropriate, using 50-50 share line and 120 percent ceiling as a point of departure.
- Adjust progress payments to create performance incentive.
- Extend Navy’s Preferred Supplier Program to a department-wide pilot program.
- Reinvigorate industry's independent research and development, and protect defense technology base.

Promote real competition

- Present a competitive strategy at each program milestone.
- Remove obstacles to competition.
- Increase the dynamic small business role in defense marketplace competition.

Improve tradecraft in services acquisition

- Create a senior manager for services acquisition in each component.
- Adopt uniform classification for different types of services.
- Address the causes of poor tradecraft.
- Increase small business participation in providing services.

Reduce non-productive processes and bureaucracy

- Reduce number of Secretary of Defense office-level reviews to those needed to support major investment decisions or to uncover and respond to significant program execution issues.
- Eliminate low-value-added statutory processes.
- Reduce by half the volume and cost of internal and congressional reports.
- Reduce non-value-added overhead imposed on industry.
- Align processes in agencies for contract management and audit to ensure work is complementary.
- Increase use of “forward pricing rate recommendation” to reduce administrative costs.
“Product support, also referred to as system sustainment, is the package of support functions required to maintain the readiness and operational capability of weapon systems, subsystems, software, and support systems. It encompasses materiel management, distribution, technical data management, maintenance, training, cataloging, configuration management, engineering support, repair parts management, failure reporting and analysis, and reliability growth. Product support considerations, germane to both acquisition and logistics, are necessary throughout the DoD life cycle framework, beginning with early requirements determination and continuing through system design, development, operational use, retirement, and disposal.”

- OSD WSAR Product Support Assessment of Nov 2009

Note: The term weapon system product support will be used routinely in this report. The authors acknowledge that all DoD systems are not weapon systems. Many are business, information technology, command and control, and other types of materiel systems. The scope of this report is applicable to the product support of all such systems.
Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System

Oversight & Review

Contracting

Major Products

Logistics/Sustainment

Defense Acquisition System (Joint-driven)

Technical Systems Engineering (Joint-driven)

Cost

Cost Estimation

Cost Baseline

Type of Funds

Planning, Programming, Budgeting & Execution Process (Joint-driven)

Acquisition Oversight

Joint Capabilities Integration & Development System

System Development

Operation/Support

Inception

Concurrent Engineering

Engineering Design

Production/Deployment

Operations & Support
Sgt. Joshua A. Elliott

Maj. Megan McClung

Sgt. Joseph M. Perez
Muskets of the Revolutionary War
Mini Ball

Rifled Barrels
M1903

Springfield M1903 Cal. .30-06 Rifle

Springfield M1903A1 Cal. .30-06 Rifle

Springfield M1903A3 Cal. .30-06 Rifle
M1 Turbine Engine

TRC-170

For the lack of a bolt…
Contracting Strategy

1. Incremental delivery of the source data or Bill of Material (BOM).
2. Identification and development of the program’s technology roadmap.
3. Configuration management of the BOM to the piece part level unless otherwise supported by a Business Case Analysis (BCA).
4. Continuous monitoring of the BOM with feedback to the Program Office on an established periodic basis.
5. Continuous proactive identification and forecasting of DMSMS impacts and mitigations for all configurations.
6. Continual tracking and management of DMSMS Cases.
7. Determination of cost effective solutions based on the “Hierarchy of Cost Avoidance Methodology” identified in the DASN(L) DMSMS Management Plan Guidance, dated 12 April 2005, as long as it is consistent with the technology roadmap.
8. Reporting and tracking of performance and cost metrics.
9. Insight into the prime contractor’s management of its subcontractors’ DMSMS programs.
Exit clauses that include delivery of the above as required.
What is BCL?

• A holistic acquisition approach that emphasizes rigorous analysis of requirements to enable rapid delivery of business capabilities to the warfighter in a compressed timeframe
  – Focuses on incremental capability delivery, rapid decision making, reduced documentation, and flexibility
  – Uses an integrated governance and management capability to eliminate Department- and Service-level oversight redundancy
  – Improves capability definition process by emphasizing rigorous analysis of capability gaps or needs
  – Provides decision authorities greater insight into program risks and mitigation strategies through independent risks assessments
Replenishment Parts Purchase Or Borrow Program

1. Design replication, product improvement or modification, and alternate sourcing through product identification or reverse engineering practices;

2. Development of data packages and submission to obtain approval to sell like parts to the government; and,

DMSMS Success Story
Full Circle?

Mass Production

Assembly Line

Hand Made

DMSMS

Accelerated Technology

Made to Order
Summary
It’s all about the WARFIGHTER!
QUESTIONS?