Contracting for DMSMS in a Total Life Cycle Systems Management (TLCSM) Environment

12 July 06

Life Cycle Logistics Roadmap
SYSCOM IMPLEMENTATION STRATEGY

• DMSMS is integrated and contracted for as part of our work processes
• Maintenance Planning/Engineering
• Supply Support/ Provisioning
• Performance Based Logistics
• Contracting process
• Using documented repeatable processes
Welcome to the MARCORSYSCOM EQUIPPING PROCESS

Command Core Processes

- Material Solution Determination
- Program Initiation
- Develop/Demonstrate
- Produce/Procure
- Fielding Process
- Operational Support

Requirements Analysis

**INPUTS**
- ICD / CDD / CPD
- COE
- Analysis of Alternatives
- Preliminary LCCE
- Initial Acquisition Strategy
- LOG IPT Members

**ACTIVITIES**
- Analyze Requirements Documentation for Supportability Requirements, Risks, & Cost Drivers
- Build POM

**OUTPUTS**
- Identification of Support Alternatives
- Identification of Supportability Risks/Cost Drivers
- Logistics Reqs & Funding Summary (LRFS)
- Supportability WBS
- Initial POM Build
**Support Planning**

**INPUTS**
- LRFS
- ICD / CDD / CPD
- Initial Acquisition Strategy
- COE
  - Identify Support Alternatives
  - Identification of Supportability risks & cost drivers

**ACTIVITIES**
- Analyze Support Alternatives
- Plan to Mitigate Supportability Risk
- Develop Supportability Requirements
- Update LRFS & Reconcile Budget Documents
- Independent Logistics Assessment Policy Letter
- Independent Logistics Assessment Process

**OUTPUTS**
- Supportability strategy/plan
- DMSMS Management Plan
- Revised LRFS
- Logistics / Supportability portions of the:
  - LCCE
  - DLSOR
  - Performance Spec, WBS & SOW / SOO input to RFP
  - Risk Mitigation Strategy

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**Welcome to the MARCORSYSCOM EQUIPPING PROCESS**
EFV DMSMS Contract Language

- **DMSMS Management**
  - DMSMS Management Team (DMT) Organization
  - DMSMS Data Management
  - Configuration Management Support to DMT
  - Product Development Support by Engineering to DMT
  - Procurement Support to DMT
  - DMSMS Reliability Engineering Support
  - DMSMS Industrial Base Analysis Support
  - Microcircuit Data Management
  - DMSMS Management Plan
  - Design Strategies for Engineering Life Cycle Support
DMSMS
Data Item Descriptions (DIDs)

- DI-SESS-81656, Source Data for Forecasting DMSMS (BOM from CM database)
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Command Core Processes

- Material Solution Determination
- Program Initiation
- Develop/Demonstrate
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- Fielding Process
- Operational Support

### Design for PEI Supportability

#### INPUTS
- Supportability strategy/plan
- TEMP
- RAM allocations
- Supportability Analyses
- LCCE
- Contract (DMSMS)
- ICD/CDD/ CPD
- COE
- DMSMS Mgmt Plan

#### ACTIVITIES
- Conduct SDR / PDR
- Influence design for supportability (DMSMS)

#### OUTPUTS
- Functional Baseline
- Allocated Baseline
- Supportability Plan/Strategy
- Updated LRFS / LCCE / POM
- Supportability Demonstration Plan
- DMSMS Mgmt Plan
Design/Develop Support Subsystem

**INPUTS**
- Quad Model
- RAM predictions
- DT Plans/Reports
- TEMP
- S-Demo Plan
- Contract (DMSMS)
- ICD/ CDD/ CPD
- COE
- Functional Baseline
- Allocated Baseline
- Supportability & DMSMS Mgmt Plans/Strategy
- Updated LRFS / LCCE / POM

**ACTIVITIES**
- Using RCM, analyze FMECA, LORA and MTA data to make supportability decisions
- Apply Quad Model to Maintenance Significant Items
- CDR

**OUTPUTS**
- Draft Fielding Plan
- Supportability & DMSMS Mgmt Plans
- Non-Validated System Support Package
- Test Support Package
- Configuration Baseline
- Updated Supportability Demonstration Plan
Welcome to the MARCORSYSCOM EQUIPPING PROCESS

Command Core Processes
- Material Solution Determination
- Program Initiation
- Develop/Demonstrate
- Produce/Procure
- Fielding Process
- Operational Support

Acquire Support Subsystem

**INPUTS**
- Draft Fielding Plan
- Contract (DMSMS)
- Supportability & DMSMS Mgmt Plans
- CPD
- Non-Validated System Support Package
- Test Support Package
- Configuration Baseline
- Updated Supportability Demonstration Plan

**ACTIVITIES**
- Conduct Supportability Demonstration
- Finalize Fielding Plan
- Prepare In-Service Management Plan
- Begin Crafting Performance Based Agreements (PBAs)
- Independent Logistics Assessment Policy Letter
- Independent Logistics Assessment Process

**OUTPUTS**
- Support Subsystem
- Final Fielding Plan
- Validated System Logistics Support Contracts & Agreements
- Support Package
- Supportability & DMSMS Mgmt Plans
- In-Service Management Plan (including DMSMS monitoring)
Field Support Subsystem

**INPUTS**
- Support Subsystem
- Fielding Plan
- Logistics Support Contracts / PBAs
- In-Service Management Plan (DMSMS)

**ACTIVITIES**
- Execute MCSC Fielding Process per Policy # 6-04
- Monitor DMSMS

**OUTPUTS**
- Warfighter Receives Total System
- Monitor contracts/PBAs
- Post Fielding Evaluation
Welcome to the MARCORSYSCOM EQUIPPING PROCESS

Command Core Processes

Material Solution Determination
Program Initiation
Develop/Demonstrate
Produce/Procure
Fielding Process
Operational Support

Operations & Support

INPUTS

Post Fielding Evaluation
Warfighter Receives Total System
In-Service Mgmt Plan (DMSMS)
Draft Phase-Out Plan

Activities

Monitor/Assess: Predicted against actual, RAMSD, OPTEMPO, Mission Profile, possible ILS changes & impacts (DMSMS)
Modify: change maintainability, update costs, ECPs, update ILS (DMSMS)

OUTPUTS

Refined Phase-Out Plan
Configuration changes/updates (DMSMS)
Revise DMSMS Mgmt Plan
Revise/Update In-Service Mgmt Plan (DMSMS)