Operating in an Affordability Driven Life Cycle Management Enterprise
Keynote Messages

Enterprise Thinking

Life Cycle Management

Affordability Mandate

Standards

S1000D
Enterprise – a Definition

• The Framework (Almost Unconstrained) of Industrious, Systematic Activity, Especially When Directed Toward Integration, Outcomes, Relationships, and Mutual Benefits

• An Enterprise Is Not Just What Is Inside Your Fence-Line . . . That Is Your Province
Enterprise Example – Pentagon Policy Maker

**PROGRAMS**

- Defense Acquisition Board
- DAES Reviews
- Services’ Program Reviews
- Weapon Sys Life Cycle Mgt Board

**POLICY**

- Defense Logistics Board
- Joint Logistics Board
- Product Spt Executive Committee
- Maintenance Exec Steering Committee
- Supply Chain Management Committee
- Services’ Logistics Policy Bodies
- Defense Matl Readiness Board

**DOD OPERATIONAL ENTERPRISE**

- JROC
- FORCE PROVIDERS
- COCOMs
- OTHER
Life Cycle Management Enterprise View

Army
- ASA (ALT)
- PEO
- Army G4
- AMC

Navy
- ASN (RDA)
- PEO
- Navy N4
- NAVSUP

Joint Staff
- J8
- J4

AT&L
- ARA
- SE
- PSA
- DCMA
- DTE
- IP
- Int’l
- DPAP

OSD
- MR
- SCI
- MPP
- TP
- PS
- L&MR
- DLA

COCOMs
- TRANSCOM
- JFCOM

Industry / Assn
- NDIA
- AIA
- Primes
- Sub-Tiers

Academia
- NDU
- DAU
- UMD
- UT
- MCLEP
- LOG TECH

Other
- GAO
- Congress
- DODIG
- Media
S1000D in the Enterprise Life Cycle Management System

**PLM**
- CRM-Options and Configurations
- Parts
- Products
- Change and Configuration Management

**ERP**
- Systems, Software, and Hardware Engineering
- Parts & BOMs
- Design & CAD
- Change and Configuration Management

**RMT**
- Reliability, Maintainability, Availability
- Lifecycle Cost Analysis
- FMEA
- FMECA
- RCMA

**Provisioning**
- Spares Requirements
- Maintenance Task Definition
- IPC/IPD
- Maintenance Manuals
- Operations Manuals
- IETM/IETP

**Reliability Engineering**
- Maintenance Procedures
- Maintenance Tasks
- IPC/IPD
- Maintenance Manuals
- Operations Manuals
- IETM/IETP

**Tech Pubs**
- Training Data
- Fault Isolation and Characterization
- Corrective Action
- Performance Analysis
- Failures and FRACAS

**Training**
- S1000D
- SCORM
- IPC/IPD
- Maintenance Manuals
- Operations Manuals
- IETM/IETP

**MRO**
- Scheduling and Execution
- Equipment Management
- Service Procedures and Records
- Valid Configuration and Utilization
- As Maintained BOM Mgmt
- Performance Analysis
- ECPs and Retrofit Requirements

**S1000D**
- Preventive Maintenance Schedules
- MSG 3 Reports
- Recommended Service Plan
- Structural Analysis
- Zonal Analysis
- LHFR Analysis
Life Cycle Management Advocacy

Worse Than Acquisition Professionals Ignoring Logistics Is Logisticians Ignoring the Significance of Effective Acquisition Influence

60-75% of Life Cycle Cost!
Operating at the Intersection of Acquisition and Logistics
Which Intersection Is It?
Affordability on the Table
Like Never Before

- The #1 National Security Challenge Is Not an Adversary of the U.S. It Is the Budget
- In Civil Aviation, Sequestration Would Have a Crippling Impact on the FAA Next Gen Air Transportation System
- FY13-17 DoD Budget Reduction Was $487B. Sequestration Will Be an Additional $530-550B Reduction (Over 10 Years.) Further Cuts FY14-20 Could Be Another $500B. That’s $1.5T!
- $15.5T Deficit – This Affects Everything We Do, Rightly or Wrongly
- The Issue Is Cost Imposition. This Is How We Defeated Previous Adversaries. Now, We’re Doing It to Ourselves
Affordability Emphasis

Better Buying Power Tenets

1. Target Affordability
2. Incentivize Productivity
3. Promote Competition
4. Improve Tradecraft
5. Reduce Bureaucracy

Government – Industry Alignment Is a Major Objective of Better Buying Power Initiatives

Dr. Ashton Carter
Deputy Secretary of Defense
Standards and Affordability in General

• Standards Provide a Predictable, Repeatable Approach To Accomplishing Something
  – Allows Standard Processes – Deviation Drives Cost
  – Allows Trained Capable Performers
  – Allows for COTS Tools
  – Allows for Information Exchange

Facilitates: Cost Reductions, Cost Management
Results in: Improved Affordability
The S-Series Standards

S1000D
International Specification for Technical Publications Utilizing a Common Source Database

S2000M

S3000L
International Procedural Specification for Logistics Support Analysis

S4000M
International Procedural Handbook for Developing Scheduled Maintenance Programs for Military Aircrafts

S5000F
Specification for Operational and Maintenance Data Feedback
S1000D and Affordability

- Maximizes Common Data Management
  - Lowest Level To Across the Enterprise
- Creates a Minimum Revisable Unit – Allows Real Time Update
- Lowers Infrastructure Costs
  - Use of Common Tools – COTS
- Data Exchange
  - Predictable Means of Transferring Information
- Interoperability
- User Performance Enhancements Available Through IETMs

Harmonization With S-Series for Life Cycle Management
Be Bigger Than Where You Came From