

Solving DMSMS An Industry Perspective

11 July 2006

Scope of the Problem*



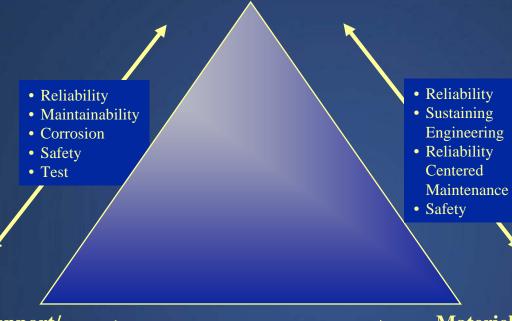
- Obsolete Number of Part Numbers Reported
 - 2005: Nearly 50,000
 - Increase of approx 15K from 2004 and 25K from 2003
 - Culmination of 325,000 parts numbers since 1997
- Potential Financial Impact: up to \$10B per year
- Average Microcircuit Life Span is about 10 years
 - Some components are as little as 18 months
 - Versus weapon system life cycle greater than 30 years
- Sporadic information flow between Government and Industry
 - Disaggregated governance

"Effective, Proactive DMSMS Mgt Process is critical to ... ready systems ... in line with TLCSM and PBL tenets" DMSMS Guidebook

The Life Cycle Triangle



Life Cycle Systems Engineering



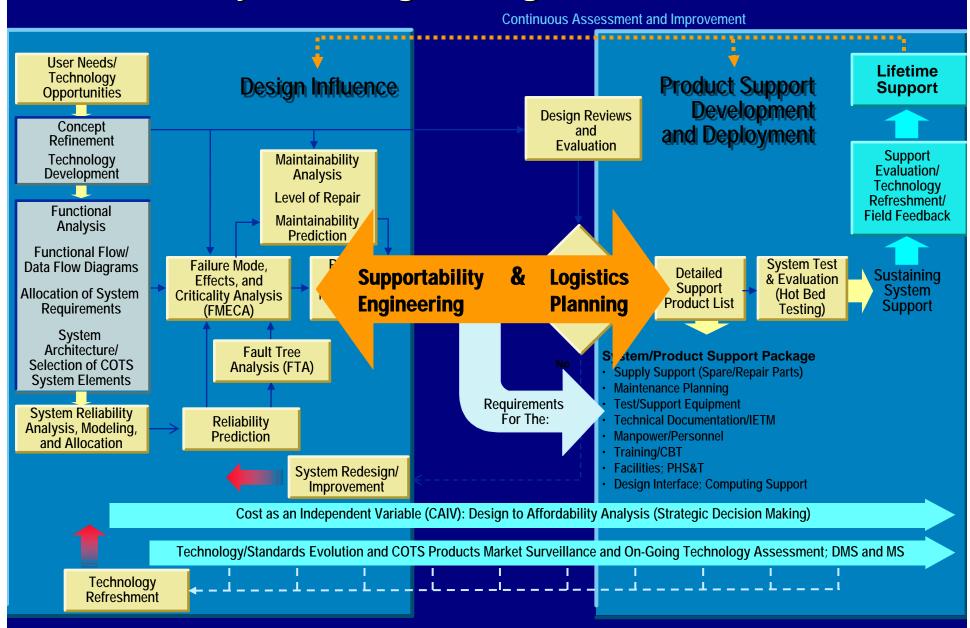
Integrated Logistics Support/ Performance-Based Logistics

- Condition-Based Maintenance
- Maintainability
- Level of Repair
- CORE
- Cycle Times

Materiel Readiness/ Continuous Process Improvement

Managing Performance Across the Life Cycle

SDOE Life Cycle Framework, linked to the Systems Engineering Process



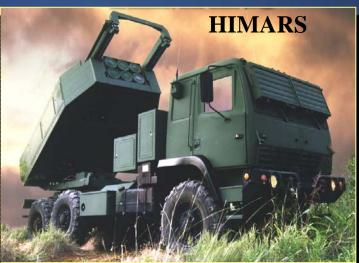
Performance Based Logistics











Delivering Capabilities NOW!

Acoustic Rapid COTS Insertion (ARCI)

Autonomic Logistics Model



System Parameters Monitored and Logged



Preplanned / On-Demand System Information Transfer (ROHMS)



LOCKHEED MARTIN

ngistics apability SILCTM

•Sunnly Re

Influence System Level Parameter Monitoring

USS LOS ANGELES SSN 688

Response Processes Initiated

- •Supply Requisition Generated
- Maintenance Action Identified
- Support Team Action Issued
- •Feedback to Operator
- Feedback to Design

LCI



Sense

Intelligent Agents and Response Process Triggers

Respond

Optimum and Timely Pier Side Support

Automating System Information Gathering, Transfer, Response and Feedback

We Need Your Help





Industry

- Proactively manage DMSMS
- Take responsibility for your platforms
- Employ GIDEP
- Government/Industry
 - Develop joint solutions
 - Build on consortium solutions

Government

- Demand performance
- Build contractual relationships that foster outcomes

Cultural Barriers

