



Obsolescence and Post Production Support

14 November 2007



Our History



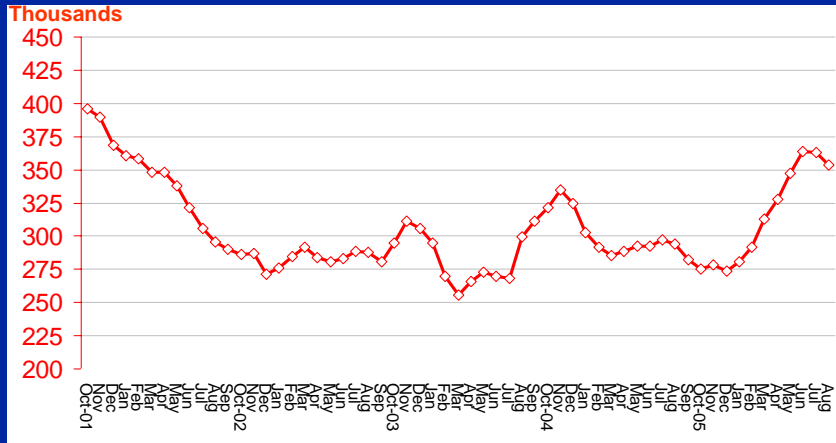
- MIL-SPEC / MIL-STD
- Acquisition reform
- Controlled chaos
- Enlightened despot?



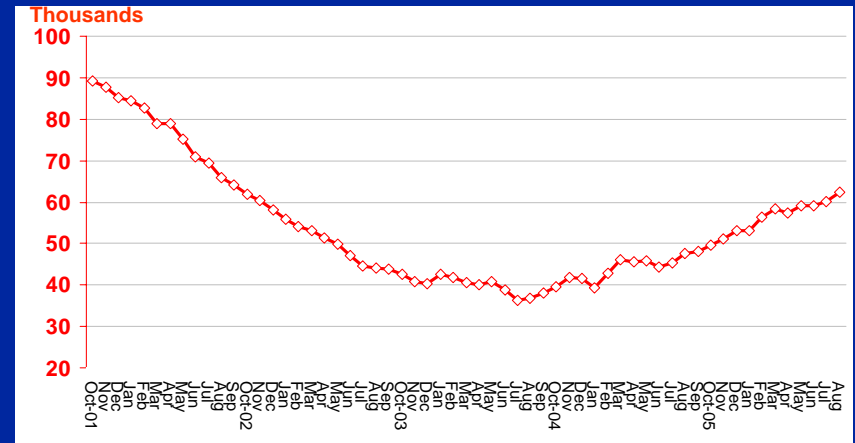
The Problem



Backorders



Backorders >180 days



Directly impacting warfighter readiness

Scope of the Problem



- **Obsolete number of parts reported**
 - **Nearly 50,000**
 - **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”

Contributing Factors



- Unanticipated demand
- Extended manufacturing lead times
- Obsolescence
- Requalification





- **Document best practices**
- **Codify practices in enterprise solutions**
- **Openly share data/solutions with DoD**



- **Strategic supplier management**
- **Integrated production / sustainment supply chains**
- **Performance-based business relationships**



Codifying Practices

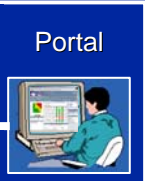


Lifetime Supportability

Engineering	<ul style="list-style-type: none"> Logistics Management Information Problem / Issue Management Change Management Configuration Baselines, Design Support Performance Metrics
Supply	<ul style="list-style-type: none"> Supply Chain Optimization Forecasting, Modeling, Simulation Inventory Management PHS&T, Facilities Total Asset Visibility
Maintenance	<ul style="list-style-type: none"> Diagnostics, Prognostics Health and Usage Monitoring Maintenance Planning/Mgmt Technical Manuals Configuration Management
Training	<ul style="list-style-type: none"> Training Course Content, Delivery Training Management Certifications and Qualifications



Customers



Single Point of Entry

Net-Centric Integration



Suppliers



- Common IT architecture across BAs
- Enables BIC performance
- Mitigates redundant investment
- Scalable, SOA
- Enterprise Services

Operational View

Logical Architecture

Logistics Application Framework

Maintenance Planning	Support & Test Equipment	Design Interface
Supply Support	Training & Training Devices	Manpower & Personnel
Computer Resources Support	Packaging, Handling, Storage & Transportation	Technical Data
		Facilities

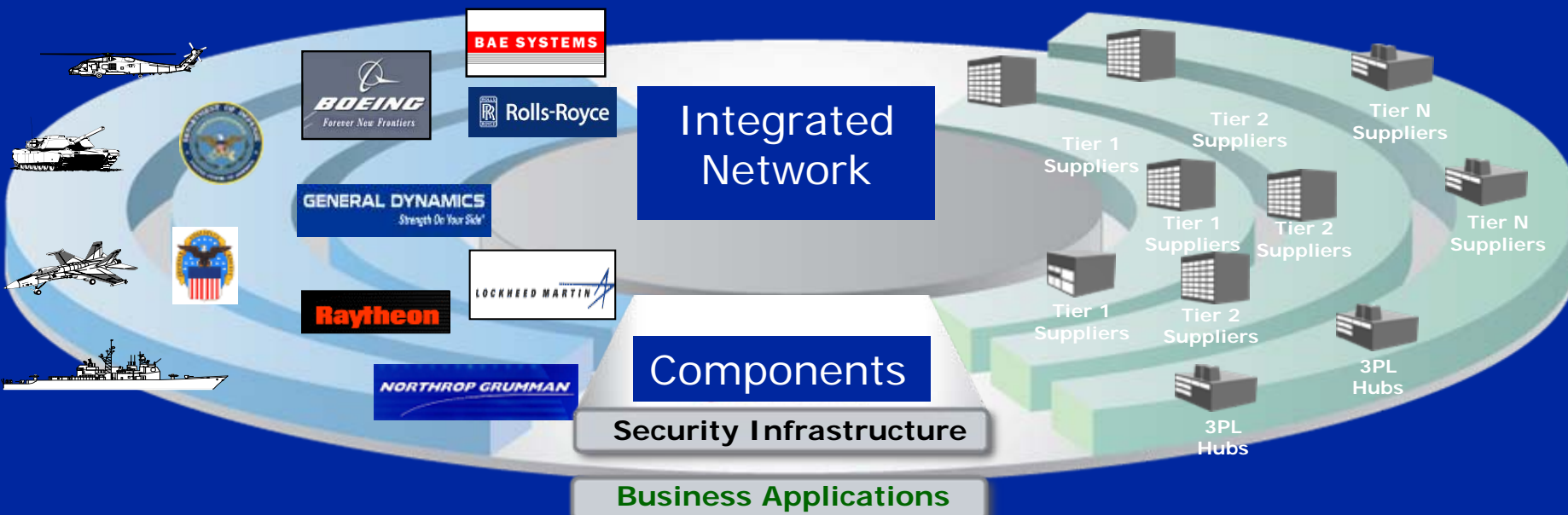
Logistics Key Functional Elements

Logistics Integration Framework

Security	Data Services	Discovery	Collaboration
Portal	ESB	App Hosting	

Core Enterprise Services & Infrastructure

Open Data Sharing



Key Architecture Rqmts

- **Secure**
- **Scalable / SOA**
- **Netcentric**
- **Data integration / transformation**
- **Support 3rd Party solutions**

Key Processes

- **Total info / asset visibility**
- **Transactional**
- **Inventory**
- **Logistics**
- **Technical documentation**



- **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