## New US Program Management Model – Role of the Lead Systems Integrator

**An Industry Perspective** 

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Ground-based Midcourse Defense Program

The Boeing Company

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## **Evolving A Management Model**

# Historic Model Prime

- Long Development Cycles
- Tends to Build Everything
- Premature Configuration Lockdown
- Capital Intensive and slow to adjust

#### **Transition Point**

#### LSI

- Somewhat Decreased Cycle Times
- Prime Builds Products
   Deemed "Important"
- Select Subcontracting
- More Flexibility for Configuration
- Early Lockdown
- Multiple Dem-Val / Development Phases

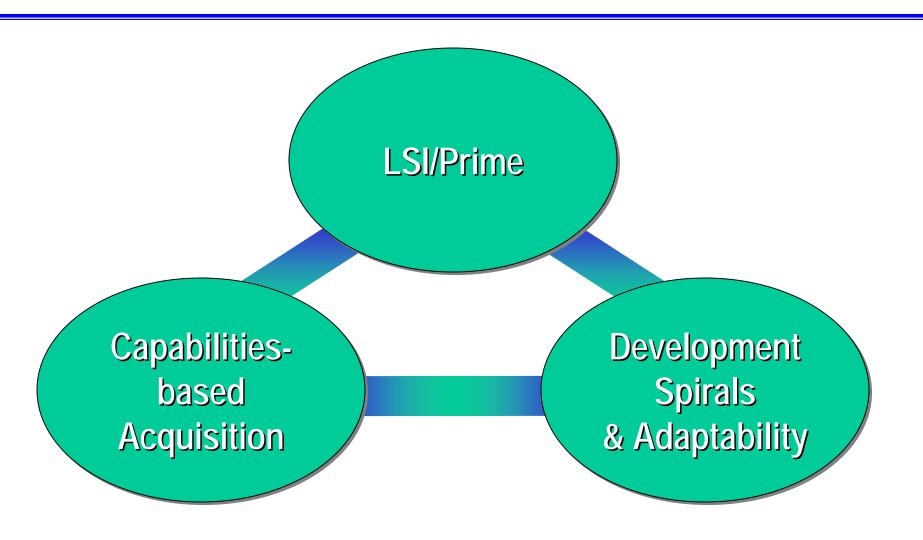
# Emerging Model LSI/Prime



- Reduce Development Cycle Times
- Groups Capabilities in Unforeseen Ways Building Complete System
- Continuously Evolving for Increased Capability
- Concurrent Test and Deployment
- Delivers Affordable Capabilities – Based System of Systems

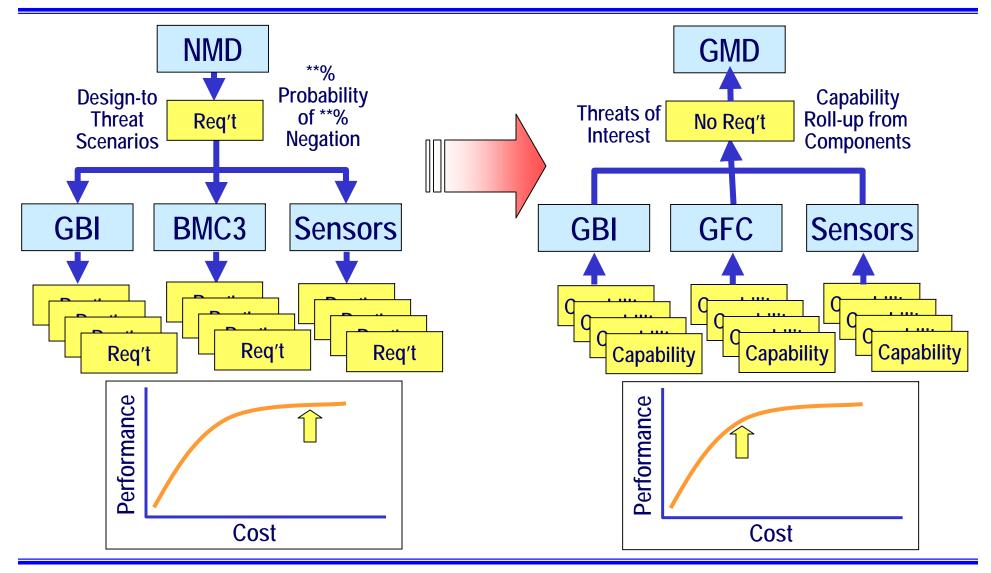


## **Keys to Success**





#### **Capabilities Based Acquisition**





#### **Lead Systems Integrator Attributes**

Collaboration
Across Institutional
Boundaries

Innovative, adaptive & agile way of doing business

Accountability at every step

Developing, translating and integrating joint requirements, architectures and systems of systems solutions

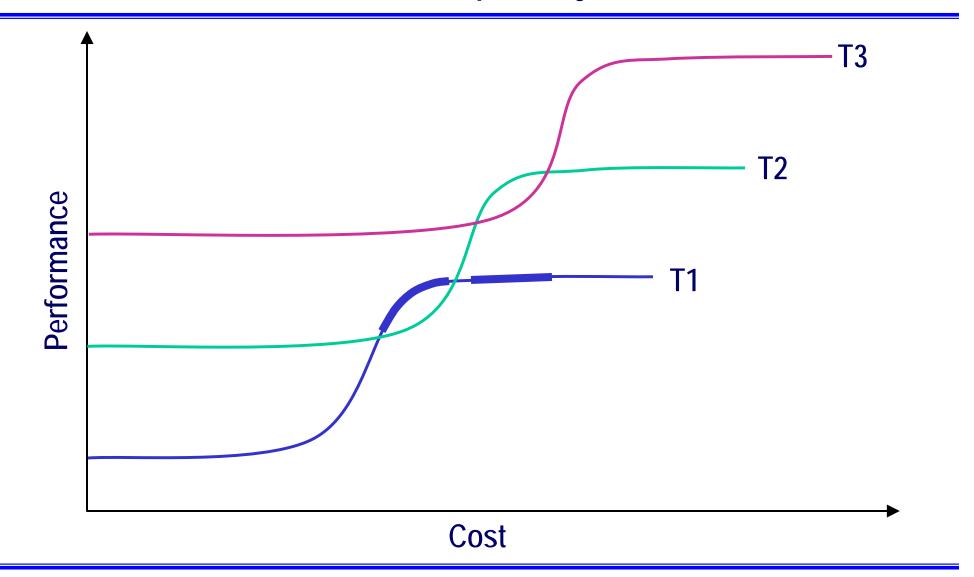
#### **CORE LSI/Prime COMPETENCIES:**

- Large scale systems integration and engineering
- Customer and domain knowledge
- Supply Chain Management

Evolving & Requirements & Requirements CONOPS



# Development Spirals and Adaptability





#### GMD as LSI Model

- Strength of Boeing processes, integration experience and flight test success
- Brings best technology to the challenge instead of the best in-house technology
- LSI Role transitioned into Prime Role for single program management responsibility





## Challenges

- Balance between real and advanced technologies and then figuring out how to integrate seamlessly
- Conducting concurrent test and operations
- Cost share between MDA and Services on O&M
- Deciding operational test requirements
- Integrating the warfighter in the development process
- Figuring out when to transition system from MDA to Service and how

