Performance-Based Service Support:

**F-35 Joint Strike Fighter**

*Autonomic Logistics Global Sustainment*

Captain Graham Rowell, Royal Navy
F-35 ALGS IPT Lead
9 February 2006
Case for F-35 ALGS
Strategic Approach

- **Operational Imperatives**
  - A Lean End-to-End Enterprise Delivering Value To Customers

- **Financial Imperatives**
  - Meet Affordability Goals WRT Cost Reduction/Avoidance

- **Stakeholder Imperatives**
  - Buy-in To Platform-Based PBL Approach Relying On Increased Contractor Responsibility
  - Establish End-to-End Roles & Responsibilities
  - Understand Need (Or Not) For Government Legacy Roles & Responsibilities

- **Global Enterprise Imperatives**
  - Understand Need For Government And Industrial Infrastructure
  - Respond to National/Regional Aspirations
F-35 ALGS
Enterprise Background

• Operational Requirement and Contract Specification Demand High Levels Of Supportability/Affordability

• Development Phase Producing:
  – Highly-reliable air vehicle employing Prognostics and Health Management
  – Technologically-enabled pilots and maintainers
  – Robust & lean support infrastructure leveraging best practices
  – AL Information System integrating the enterprise

• AutoLog Design, BCA & Global Best Practices Affirm That ALGS Enterprise Can Meet Performance And Affordability Requirements

ALGS Approach Offers A Viable Performance-Based Logistics Construct For F-35 Global Sustainment
F-35 ALGS

PBL Business Structure

DECIDER

WARFIGHTERS

PBA

JSFPO

Prime Contracts

SUPPORTED

associate Contractors

Agreement

Suppliers

Incentivized

Non-Incentivized

Commodities

FUNDING & REQUIREMENTS

Supplier Contracts

ASC

PSC

Depot(s)

In House Out Source

Supply Chain
Challenges & Opportunities

- **Policy Transformation**
  - OSD MID 917
  - Title X & Partner Sovereign Demands

- **800-Pound Gorilla Effect**
  - Leverage
  - Big Target

- **Star Trek Effect: Exploring New Worlds on a Scale Never Attempted**
  - Engaging the Borg: Resistance to Legacy Assimilation
  - Fostering Progressive PBL Policies in Hostile Territory

- **Joint And International Pressures**
  - Service Consistency in Common Processes
  - Sufficient Capabilities to Satisfy Partner Operational Needs
  - Best Value Industrial Participation