F-35 Logistics & Sustainment Overview Brief

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Joint Strike Fighter F-35 Lightning II

3159 Aircraft
15 Services
3 US Services, 8 Partners, 1 Security Cooperative Customer, Foreign Military Sales Customer
1 Global Support Solution
F-35 Overview

- The Next Generation ‘Family’ of Strike Fighters
  - 3 Variants
  - F-16/F/A-18C ‘Like’ Aero Performance
  - Stealth Signature and Countermeasures
  - Advanced Integrated Avionics
  - Integrated Logistics and Sustainment
  - Performance based – O-D, 2 lines, of Maintenance
- JSF requirement managed in PSM/PSI relationships

Lethal     Survivable     Supportable     Affordable
F-35 Sustainment Strategy

- Achieve Best Value Solution for US Services and Partners
- Integrated, Global System of Sustainment Products, Processes, & Business Practices
- Leverage Global Resource Base to Take Advantage of Stakeholder Capabilities, Human Capital and Best Practices
- Drive Life Cycle Focus Emphasizing Cost Reduction
- Driving R&M Improvements via Business Processes
- Disciplined Global Sustainment Baseline Supporting Future Cost and Performance Trades
- Mature Governance Processes Ensuring O&S Cost Accountability and Transparency
- Corporately Maturing Strategy with Services, Partners, OSD, Industry & Congressional Participants
Logistics and Sustainment is an integral part of the F-35 Air System
The F-35 Paradigm Shift

- **F-35 Sustainment** will be different to anything that has been done before
- **Break down Service/National stovepipes**
- **Opportunities** built into the Air System
  - Interoperability
  - Reduced operational footprint
  - Reduced through life costs
  - Reduced operational risk
  - Incentivized, performance, output-based contracting
- **Need to understand** the ‘real’ Warfighter requirements
  - Common v Unique

Maximize opportunities for efficiencies while meeting Warfighter requirements
F-35 Integrated Sustainment Infrastructure

Main Operating Bases

**USAF / USN / USMC / International**

- Maintenance/Logistics Enhancements
  - Reduced Manpower
  - 2+ Level Maintenance
  - Reduced Footprint
  - Increased R&M
  - Direct Access to Contractor Support
  - Engineering, Tech Data & Training

Technological Enablers
- PMA
- PHM
- ALIS

Forward Operating Locations/Ships

**USAF / USN / USMC / International**

- Transportation
- Network
- Regional Warehousing
- Best Value Repair Source

- Joint Depot Level Maintenance
  - Best Value Source of Repair (Gov/OEM)
  - Statutory Compliant
  - No Scheduled Depot Maintenance
  - Direct access to Sustaining Engineering, Tech Data & Training via ALIS
  - Total Asset Visibility

- Understanding Characteristics & Interdependencies

Distribution Statement A: Approved for public release; distribution is unlimited
F-35 Sustainment Performance-Based Process

Results / Feedback

Warfighter

Capabilities

Services / Partners

Reqts (PBA)/Funding

JPO

Product Support Manager (PSM)

Policy / Direction

OSD

Government Furnished Equipment

PSM Managed Product/Service

Contract

PSM Oversight

Industry Teams / Gov’t Partners

Subcontracts / IAs

Product Support Integrators (PSIs)

Product Support Providers

Depots

DLA

OEMs

Collaboration & Partnership

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F-35 Global Pooling Strategy

Pooling of Air System Spares and Support Equipment is a global sustainment strategy that consists of four independent tenets: ownership, management, use, and sharing.

**Use:** The employment of an asset for its intended purpose to support operations, maintenance & repair.

**Ownership:** Retaining the title to an asset, which also carries the responsibility for complying with asset registration and accounting regulations, regardless of its use or management.
- *Central Ownership:* A single entity, the US DoD, owns a pool of assets on behalf of the F-35 Enterprise.
- *Local Ownership:* A Service, squadron, or base owns specific GFE.

**Management:** The oversight of an asset’s use and upkeep.
- *Central Management:* A Product Support Integrator (PSI), acting on behalf of the Product Support Manager (PSM), coordinates asset availability, ensures the technical sufficiency of the asset, and makes decision regarding the use of an asset; a custodian executes stewardship and preventative maintenance.
- *Local Management:* A Service, squadron, or base accountable for providing GFM: overseeing its use, ensuring it is in proper working order.

**Sharing:** The cooperative ‘Use’ of an asset among a group of ‘Users’. Sharing can happen at different levels.

Commonality Opportunities

- Sustainment System
- Support Equipment
- ALIS
- Configuration Management
- Tech Data
- Supply Chain
- Training
  - Pilot Training
  - Maintainer Training
## Service Skill Sets

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<tr>
<th>WORK CENTER</th>
<th>USAF AFSC</th>
<th>USN RATING</th>
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### 27 Training Courses Versus 4 Training Courses
Take Aways

- Single Global Solution
- Joint approach across all 15 Services
- Must meet Warfighter requirements
- Must continue to push boundaries of what is ‘common’
- Must continue to refine and deliver strategy on data-driven decisions to reduce cost and operational risk
Questions?

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