

F-35 Program Information

Non Export Controlled Information - Releasable to Foreign Persons



NORTHROP GRUMMAN

BAE SYSTEMS



**GE Rolls-Royce
Fighter Engine Team**



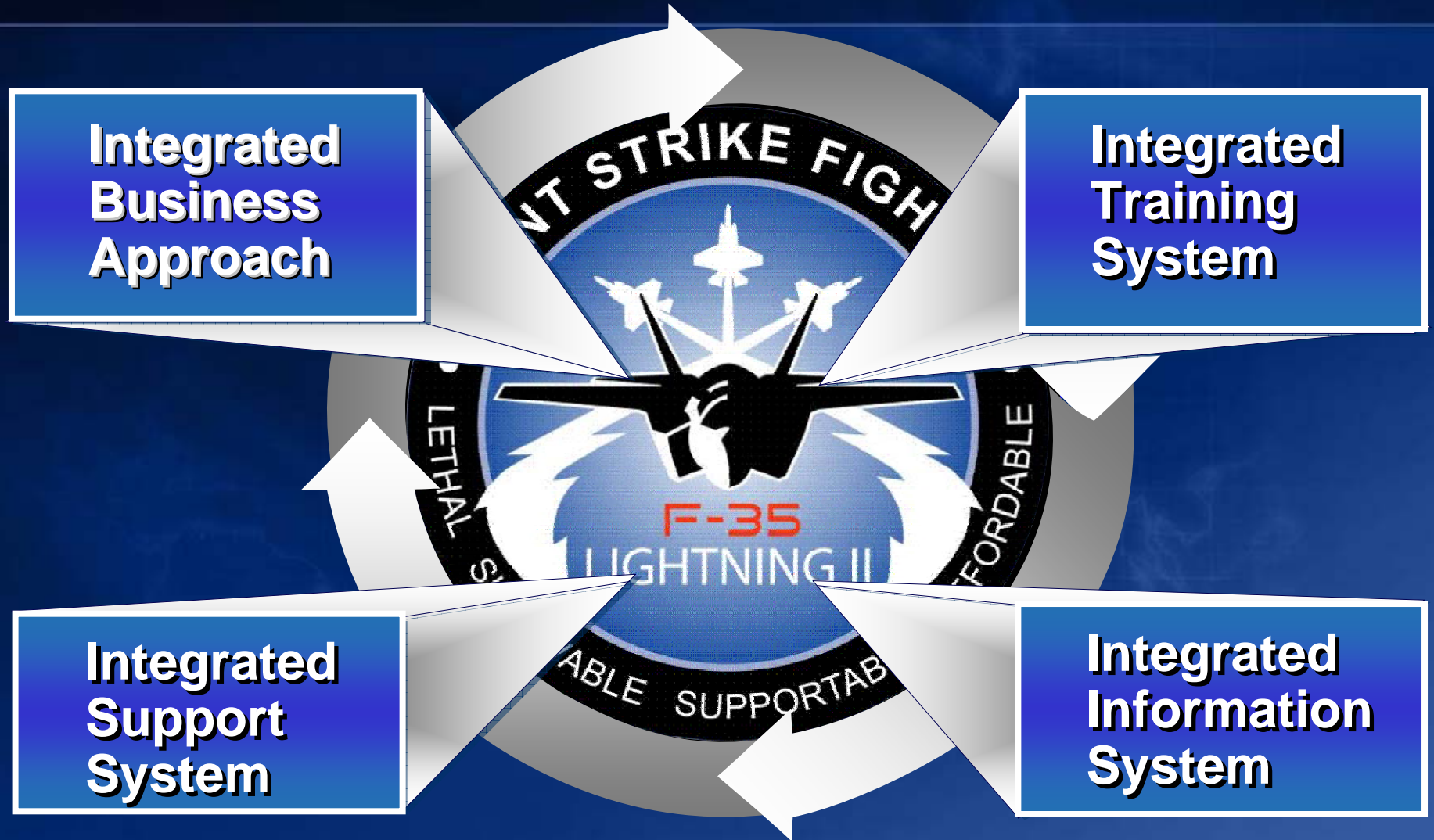
Autonomic Logistics Global Sustainment (ALGS) 21st Century Sustainment for the Lightning II



Mr. James Sprang
NDIA National Logistics Conference



F-35 Sustainment Solution...



Completely Integrated & Integral to the Aircraft

F-35 Improves Supportability, & Deployability

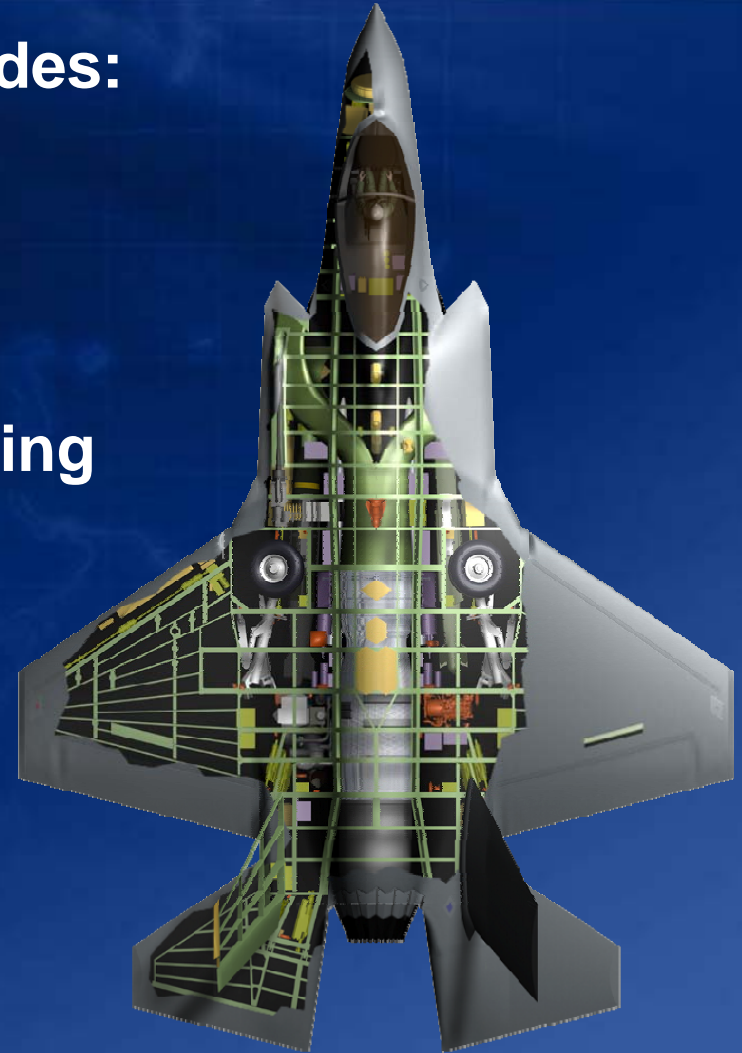


- **New Logistics Model**
 - *Revolutionary Integrated Diagnostics*
 - *On-Board Health Monitoring*
 - *Electronic Tech Data*
 - *Portable Maintenance Aids*

Worldwide Support 24 / 7

What is Autonomic?

- **The JSF Autonomic System Provides:**
 - Failure analysis
 - System health monitoring
 - System status and health transmission
 - In-flight system service re-routing
 - Post flight services:
 - *Correct repair parts*
 - *Support Equipment*
 - *Fuel*
 - *Weapons*
 - *Trained maintainers*



Autonomic Monitoring, Prognostics & Health Mgmt support the F-35

Integrated Information System

TRADITIONAL

- Non-Integrated Info Systems
- Precautionary LO Repairs
- No Reach Back to Formal Training
- Multiple Info / Support Systems Not Integrated

F-35 ALIS

- Total Asset Visibility
- LO Health Assessment System
- Connectivity to Training Centers
- Integrates OEM Engineering, Supply, and Training With the Customer

BENEFIT

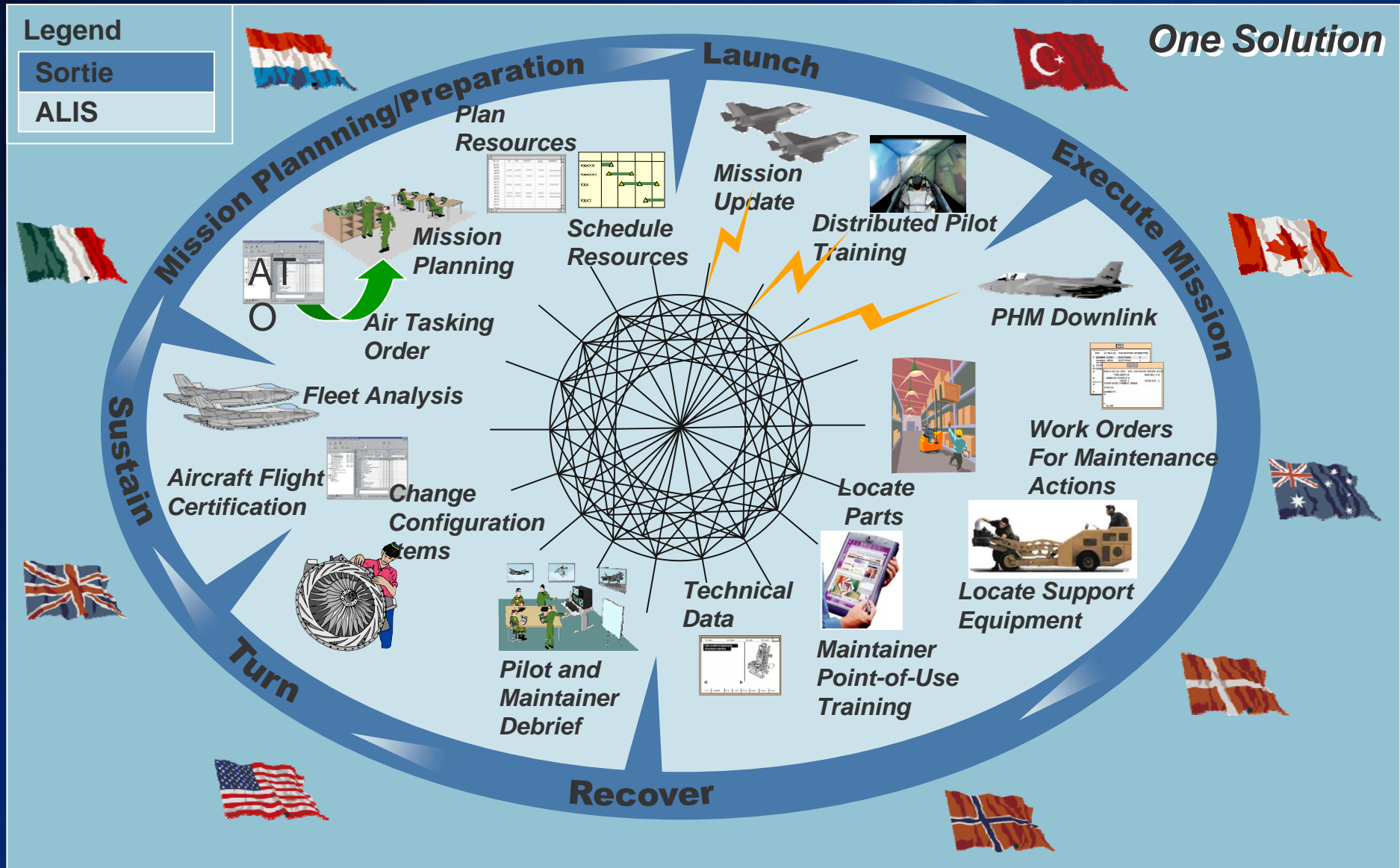
- **Integrated Mission Planning / Maintenance / Supply / Training / Qualifications / Aircraft Info**
- **Unclassified LO Confidence Reports**
- **Data / Procedure Currency**



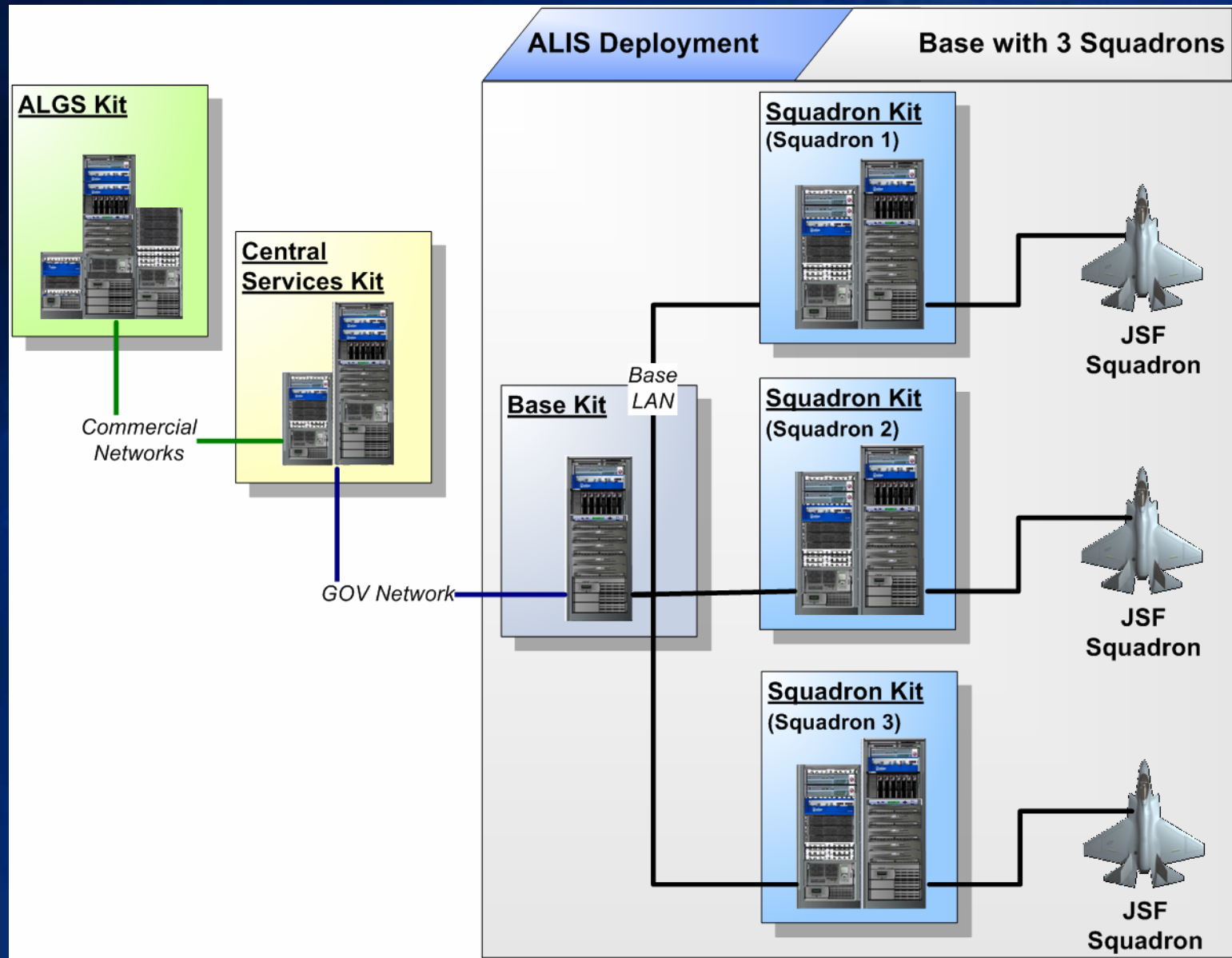
Most Current Information Continuously Available



ALIS Supports All Phases of Sortie Generation



ALIS Configuration Example



ALIS Summary

- **Initial ALIS Design Complete; Architectural Framework Established**
- **Provides:**
 - *Air Vehicle Operational Support & Maintenance*
 - *Supply Chain, Support Equip Mgmt*
 - *Distributed Training*
 - *Integration with government infrastructures*
- **Currently supporting the Flight Test air-vehicles**

ALIS is the Logistics Enabler for the F-35



Questions?

