

Headquarters U.S. Air Force

Integrity - Service - Excellence

AF Logistics Transformation eLog21



U.S. AIR FORCE

**Mr. Grover Dunn
Director of Transformation
HQ USAF, Logistics, Installations
and Mission Support**

8 Nov 06



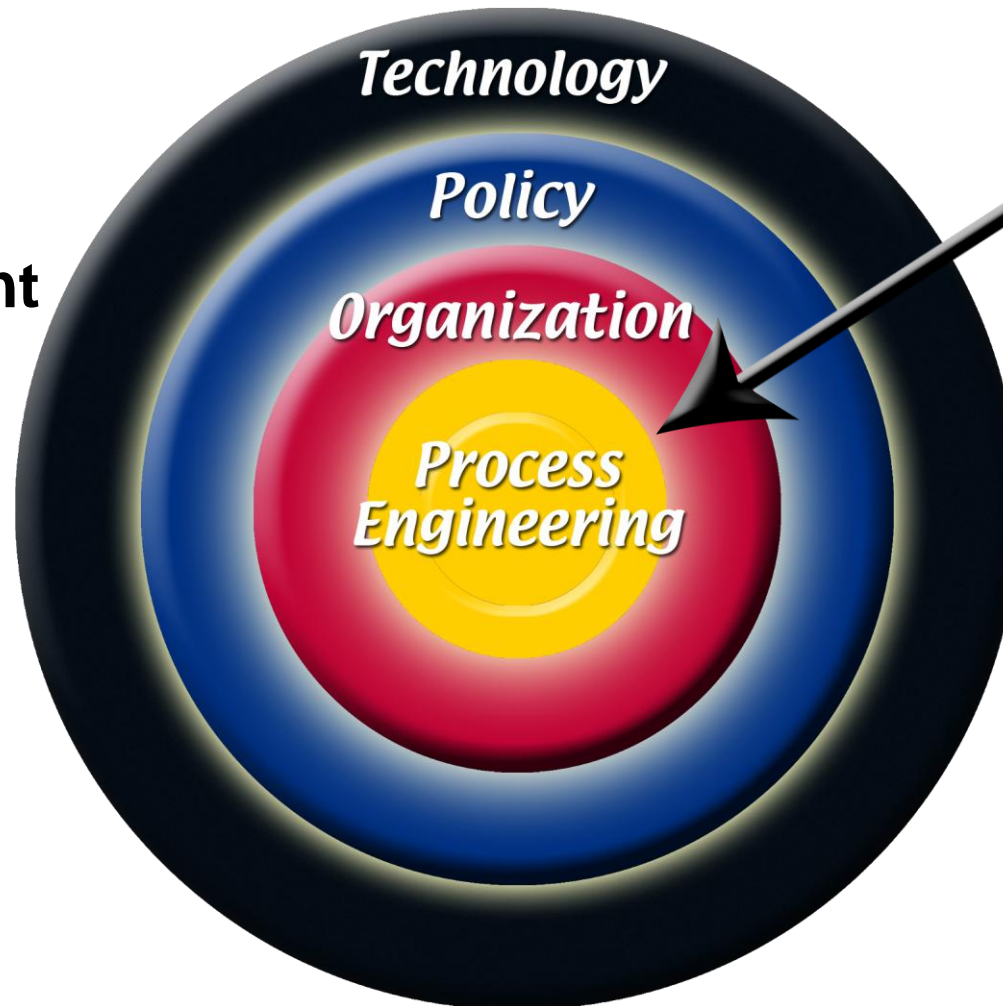
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A4/7 Transformation Approach



AFSO21

Continuous Process Improvement as our AF way of life



The Core of Change

TOOLS

- Lean
- Six Sigma
- TOC
- BPR



AFSO21 AF Key Processes



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Governing

Plan/Execute
Strategic
Initiatives

Manage
Programs and
Processes

Core

Develop & Sustain
Warfighting
Systems

Develop
Warfighters

Deploy

Conduct Air,
Space, Cyber
Operations

Enabling

Caring for
People

Provide IT
Support

Provide
Infrastructure

Manage
Financial
Resources



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Strategy-Focused Planning & Performance Management



Mission of Logistics

- Get the Force to the Fight
- Keep the Force in the Fight
- Prepare for the Next Fight

Enabling
= *War-Winning*
Capability

Vision

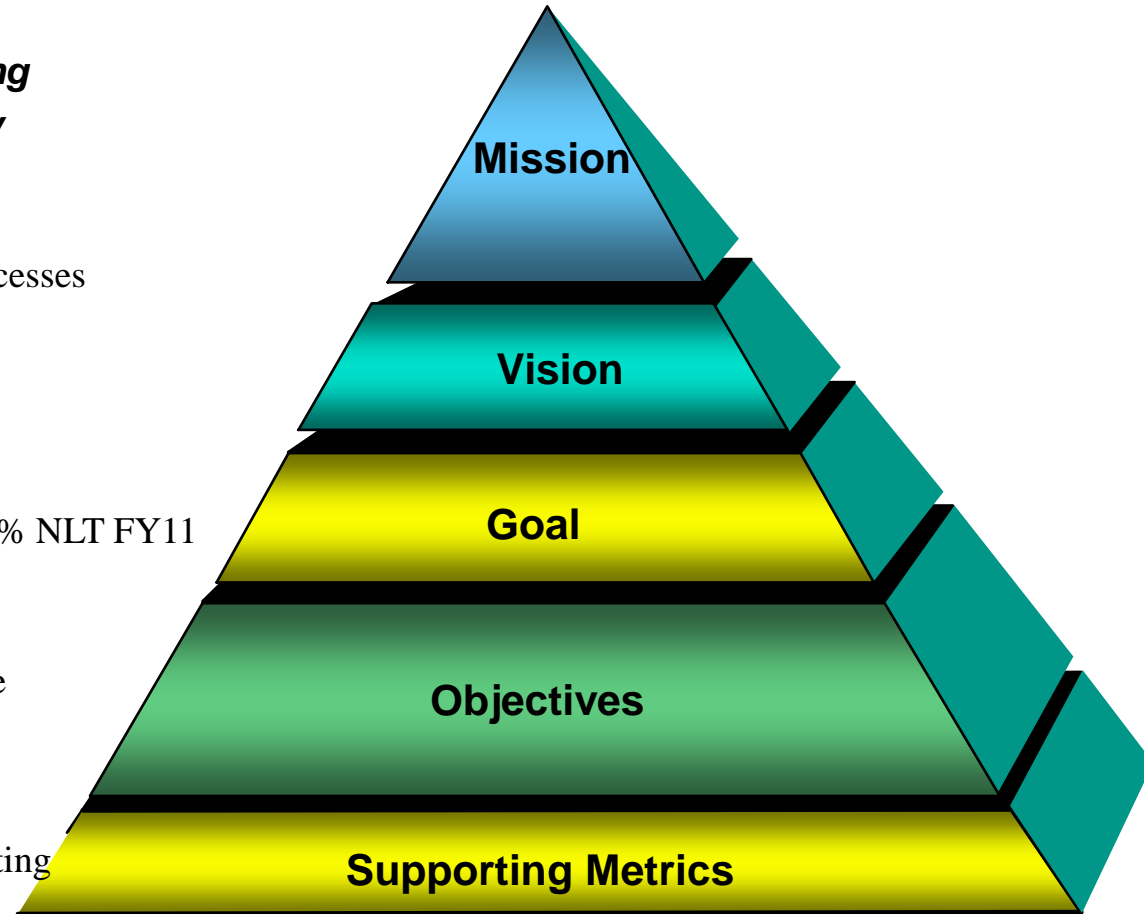
- Expeditionary, Net-Centric Operations
- Enterprise Focused Business Systems and Processes
- Lean Operating Principles
- Performance-Based Management

Goals

- 20% Equipment Availability Improvement
- Reduce Annual Operating Support Cost by 10% NLT FY11

Objectives

- Ensured Mission Preparedness & Performance
- Improved Reliability of Support
- Lower Total Cost of Support
- Improved Cost/Req'ts Predictability
- Reduced Cycle Times—Lean Business Operating System
- High Performing, Flexible Workforce
- Institutionalize Transformation Processes



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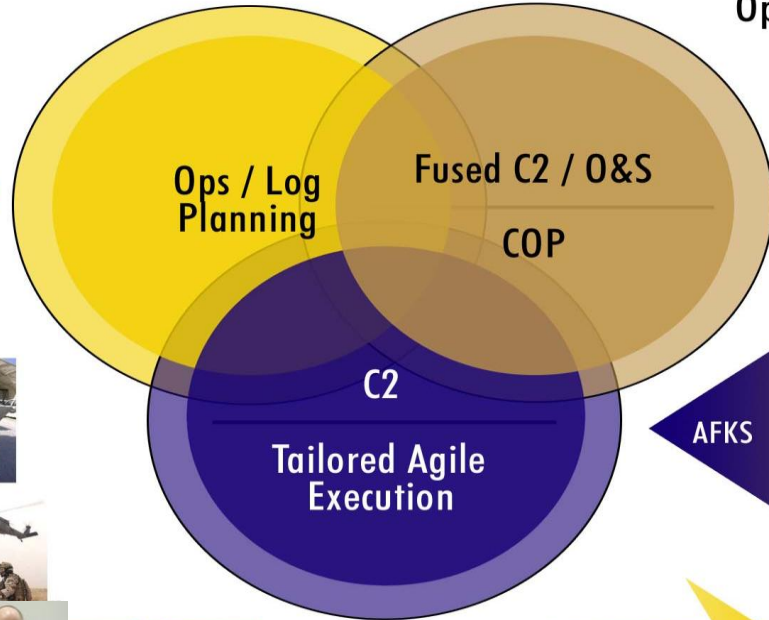
AF Future Logistics Concept



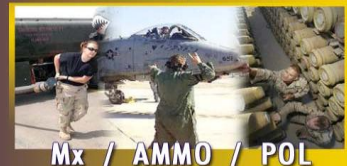
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No Transition
Peace to War

Ops
Taskings



Operations and Support



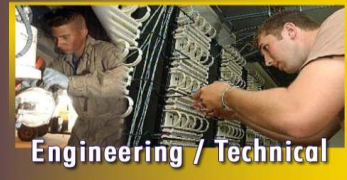
Mx / AMMO / POL



Supply



Transportation



Engineering / Technical

LEAN PROCESSES
AF SUPPLY CHAIN

AFKS

Taskings



Near Real Time Status and Location of:
Equipment, Parts, People and \$\$



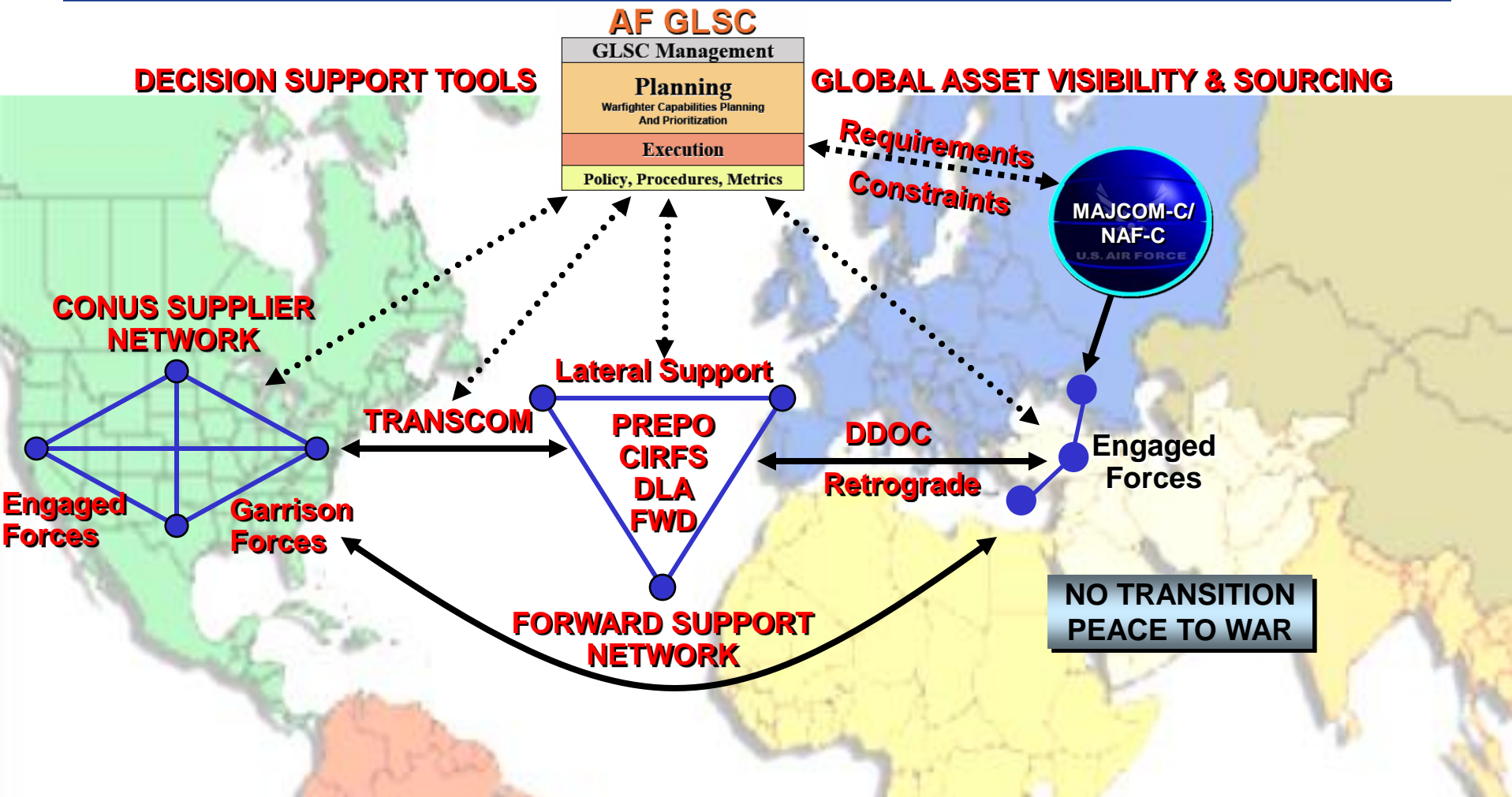
Depot
Factory

Synchronized to Match AEF Battle Rhythm



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Future AF eLog21 Logistics Expeditionary Network Centric Operations



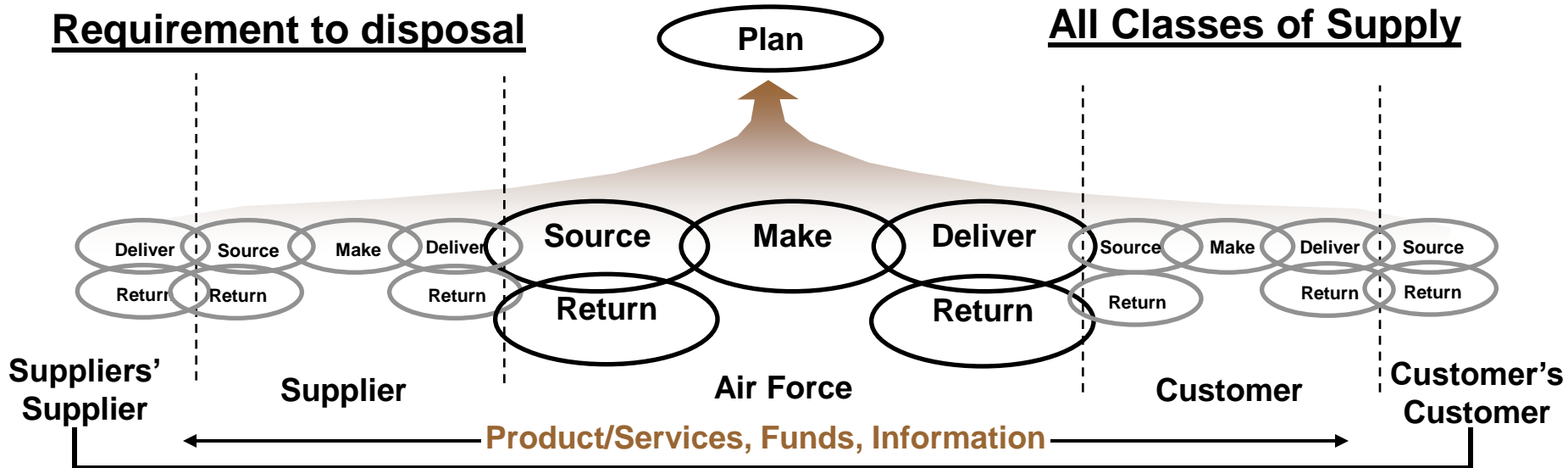
Real Time, Global Expeditionary Network

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Logistics Enterprise Architecture (LogEA) & SCOR



- **Plan** – synchronized, consolidated plan for all activities
 - Demand, supply, repair, distribution
- **Sourcing** – extended strategic sourcing & Global asset allocation and positioning
- **Make/repair** – Lean, integrated AF MX operations
- **Del/Return** – streamlined third party asset handling

On Equip Ops



eLog21 Campaign Initiatives



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ARCHITECTURE & GOVERNANCE

Logistics Enterprise Architecture (LogEA)

Portfolio Management

Air Force Data Strategy

Performance Management

Product Support and Engineering

Supply Chain Management

Expeditionary Operations and C²

Maintenance, Repair and Overhaul

- Total Life Cycle System Management
 - Product Support Camp
- Condition Based Maintenance+
- Asset Marking and Tracking
- Demand Management
- Operations Safety Suitability & Effectiveness Tools
- Product Life Cycle Mgmt

- Integrated Planning System (IPS/APS)
- Purchasing Supply Chain Management (PSCM)
 - Strategic Sourcing
 - Commodity Councils
 - Supplier Management Tools
- Strategic Distribution
- Weapon System Supply Chain Management

← **Global Log Supt Center** →

- WFHQ/ Agile Combat Support C2
- AF Common Operating Picture
 - A4/7 COP/LED
- Decision Support Tools

- Repair Enterprise 21
 - Single Off-Equip Net
- Re-engineering Depot Maintenance (DMT)
- AF Lean Maintenance Enterprise Integration

ENABLING PROCESSES AND TECHNOLOGY

Centralized Asset Management

Agile Combat Support (ACS)/Assured Connectivity

Workforce

AF Smart Ops (AFSO21)

Change Management (CM)

Capability-Based Programming (CBP)

IT Strategy/Expeditionary Combat Support System (ECSS)

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What We've Done So Far



- ✓ **Develop Future CONOPs/Architecture and Campaign Plan**
- ✓ **Implemented IT Portfolio Management – Made Key IT decisions**
- ✓ **Implemented Key Portions of AFMC Purchasing/Supply Chain**
 - ✓ **Strategic Sourcing and Commodity Councils**
 - ✓ **Weapon System Supply Chain Managers**
 - ✓ **Customer Relations Management Cells**
 - ✓ **Tested Advanced Planning and Scheduling tools**
- ✓ **Implemented Depot Maintenance Transformation**
 - ✓ **Applying Lean across all depot processes**
- ✓ **Implemented Round I of Centralized Asset Management Program**

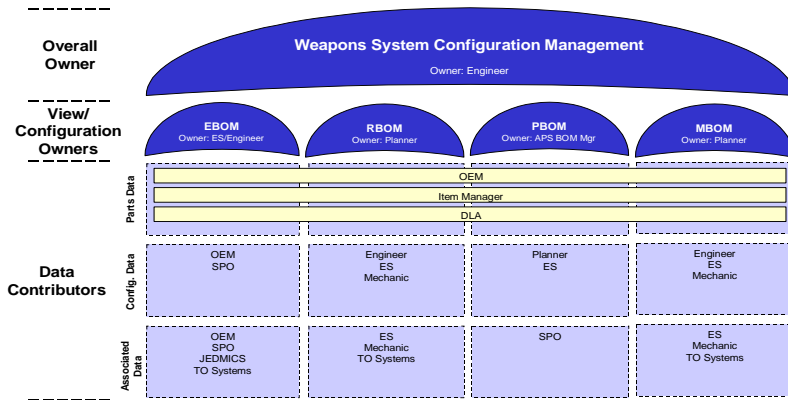


Work In Process

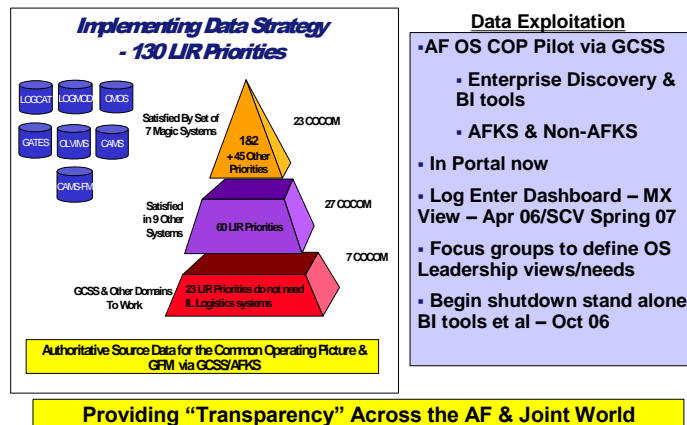


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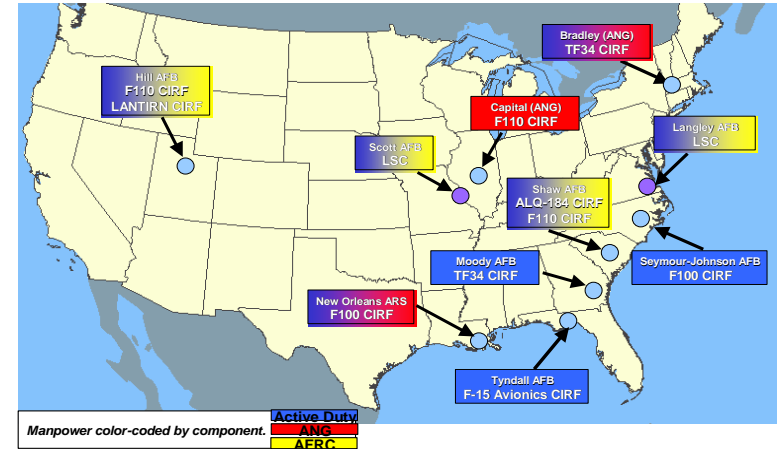
Improving Product Data Management



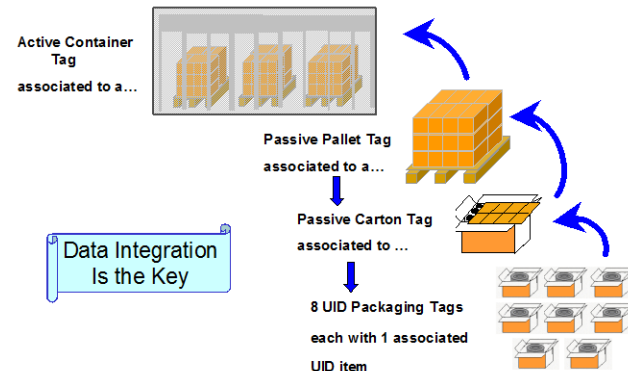
Implementing Data Strategy & Exploitation



Implementing CONUS CIRF/LSC -- BRAC



Implementing Complimentary Active, Passive RFID and UID

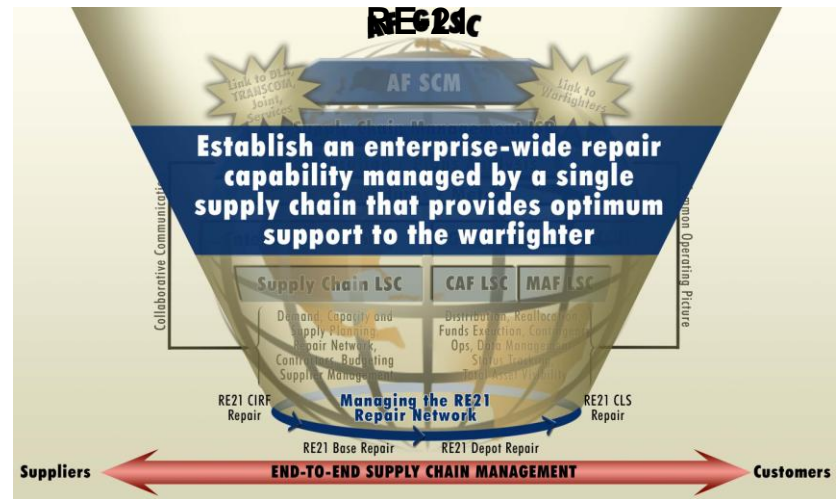




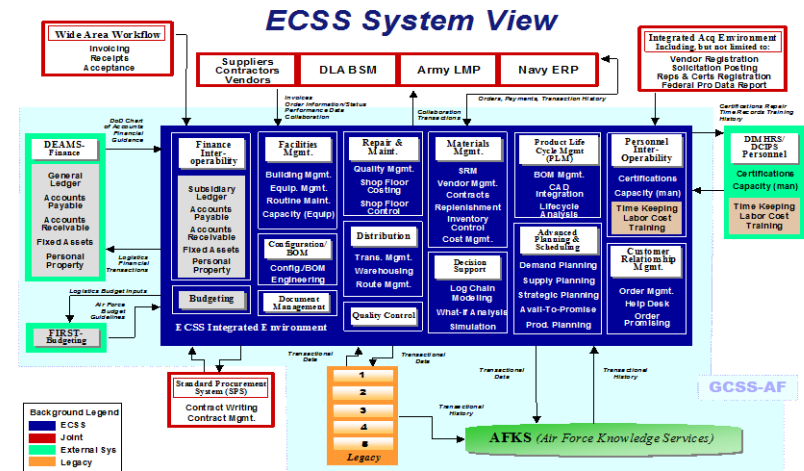
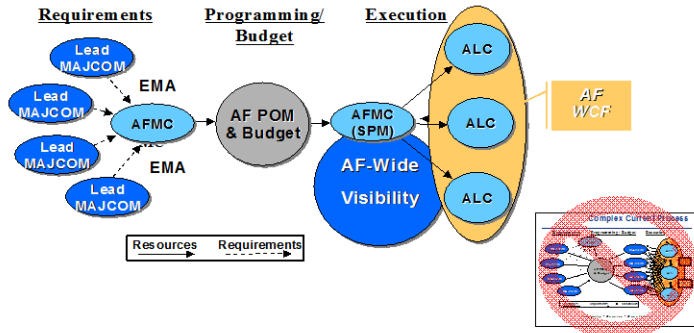
The Next Steps



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Centralized Asset Management





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eLog21 Transition Plan



Reactive Mgmt

Anticipate Sense & Response

Predict Sense & Response

2006

2014

Improved Central
Plan/Exec/CRM

AF Enterprise
Plan/Exec/C²

Global
Plan/Exec/C²

Interoperable Functions
AF Supply Chain

LEAN (Partially Integrated)
AF Supply Chain

Fully Integrated LEAN
Global Supply Chain

Disciplined
Eng & Tech Services

Improved PLM

Fully Integrated
Supply Chain PLM

Limited Strategic Sourcing
Cumbersome Processes

Strategic Sourcing
Improved e-Sourcing

Fully Integrated Strategic Sourcing
E-Business Operations

Interoperable Distribution Process

AF Enterprise Distribution
DoD Integration

Fully Integrated 3PL

Improved Financial Accounting

Timely & Accurate
Financial Accounting

Clean Audit
Timely & Accurate Financial Acct

Limited Asset Visibility

Improved Asset Visibility

Discrete Integrated Asset Viz

Data Discovery
Limited COP

Enterprise Data
Analytical Tools

Corporate Business Intelligence
Predictive/Analytical/Modeling/Simulation

Selected Legacy System Improvements

*System Integration
Data Migration
Adjustments as Required*

*Full Implementation
ECSS & Modernized Bolt On Legacy Systems*

Data Strategy – Exploitation Tools – AF COP

IUID – RFID - Infrastructure

GCSS-AF – Portal – IDE Framework (SOA)

DoD Enterprise Level Applications

GIG – AF CITS – TDCS (Comms)

⑩ America's Air Force ... No One Comes Close



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