Dynamic Logistics to Meet Evolving Threats

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Outline

• Evolution of Maritime Logistics from independence towards interdependence
• Operational Integration (Unity of Effort)
  – Joint Theater Logistics
  – Seabasing
• Industrial (Supply Chain) Integration
  – PBL
Joint Maritime Logistics Framework

- Maritime Logistics...Historical Context
  - Logistics support focused on afloat forces
  - Material flow enabled with dedicated lift
  - Independent of other services

- Changing Maritime Domain
  - Littoral operational context
  - Seabasing implications

- Future Maritime Logistics Framework
  - Integrated joint component
  - Developing Joint Concept

Responding to a new threat environment
Joint Theater Logistics Management Concept
Growing Joint Connectivity

JFMCC
- Maritime Distribution
- Supply
- Maintenance
- Contracting
- POL
- Ordnance
- JRSO&I

JFLCC
- Land Distribution
- Supply
- Maintenance
- Contracting
- POL
- Ordnance
- JRSO&I

Integration of Joint / Coalition Capabilities

MARITIME COMPONENTS

LAND COMPONENTS

MLC = Maritime Logistics Command (notional name)
Joint Seabasing
Speed, Access and Persistence

The sea as maneuver space...
Leverage forward presence...
Expand access options
... reduce dependence on land bases
Create uncertainty...
Protect joint forces...
Scalable, responsive joint power projection...
Sustain joint force operations...

Seabasing will be
Interoperable and interdependent
Fires – NSFS, Aviation, Bombers
Maneuver - Connectors
Sustainment – Timely, efficient
C4ISR – Common Operating Picture
Force Protection – Air, Sea and Land

...and will allow us to pursue these lines of operation
Close: Within 10-14 days
Assemble: At sea within 72 hours of arrival
Employ: One Brigade within 8-10 hrs
Sustain: Up to two joint brigades
Reconstitute: For follow-on operations
Supply Chain Integration

• Supply Chain “Integration” enables Joint effects
  • Transforming expectations
    “Less inventory ← Performance Based Logistics”
  • Cooperative Logistics Arrangements (with Repairable Item Replacement) remains accessible to “core” supply chain
  • Non-Standard Procurement
### PBL “Partnerships” with Industry

Performance Based Logistics (PBLs) ... Leveraging Industry Partners

<table>
<thead>
<tr>
<th>System</th>
<th>PBL Benefits</th>
</tr>
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<tbody>
<tr>
<td>Auxiliary Power Unit:</td>
<td>BBs down from 125 to 0 ... 18 reliability improvements incorporated</td>
</tr>
<tr>
<td>Aviation Tires:</td>
<td>Wholesale inventory down, 50,000 to under 5,000 (DLA storage savings) ... retail inventory reduced</td>
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<tr>
<td>AEGIS:</td>
<td>BBs down from 155 to 6</td>
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<tr>
<td>F/A-18 Stores Mgmt Sys:</td>
<td>Customer Wait Time down, 47 days to 7 ... NAS Lemoore SHORCAL reduced by 30%</td>
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<tr>
<td>CIWS:</td>
<td>BBs down from 200 to 3 ... $11.5M retail inventory reduction through FY13</td>
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<tr>
<td>F404 Components:</td>
<td>BBs down from 710 to 0</td>
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<tr>
<td>ALR-67V3:</td>
<td>Increased reliability by 76%, MTBF was 300 ... today 527</td>
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"PBLs ... The Pentagon is Buying Smart " ... Aviation Week and Space Technology 10/31/05
Additional Opportunities

• Need to explore partnerships to achieve broader savings

• Current Candidates include:
  • H-53 and KC-135 APUs - Air Force / Navy
  • APX-118 IFF System - Army / Navy
  • V-22 - Air Force / Navy
  • Joint Helmet (JHMCS) - Air Force / Navy
  • CIWS - Army / Navy
Summary

• Evolving Environment...evolving threats
  – From independence to interdependence
• Joint Theater Logistics strengthens unity of effort
• Seabasing is about Joint integration
• PBL’s: Partnerships for efficiency and effectiveness