Projecting National Military Power

America’s Military Might Moves with USTRANSCOM
USTRANSCOM provides the synchronized transportation, distribution, and sustainment for the nation.
USTRANSCOM provides the synchronized transportation, distribution, and sustainment for the nation.
The USTRANSCOM Team

Aircraft Takeoff/Landing Every 90 Seconds

35 Ships - Loading, Offloading, or Underway

2008 (AVG WK)

NATIONAL EFFECTS

Moved 151M Pounds of Unit Cargo
Delivered 175 MRAPs to OIF/OEF
Delivered 232M Pounds of Fuel
Conducted 8,100 HHG Moves

2008 (AVG WK)

NATIONAL EFFECTS

Transported 38,000 Passengers
Moved 28M Pounds of Cargo
Delivered 38 MRAPs to OIF/OEF
Passed 35M Pounds of Fuel
Supported Movement of 280 Patients

Six Brigade Equivalents Moving Simultaneously

Professional Distribution Team Doing Great Things -- Asymmetric Advantage for Our Nation!
USTRANSCOM’s Global Presence

- **SDDC**
  - 89 Locations Worldwide
  - 20 Strategic Ports

- **MSC**
  - 22 Layberth Locations

- **AMC**
  - 13 CONUS & 16 OCONUS Bases
  - 36 Dets & OLs

- **DCD**
  - 18 Defense Courier Stations

35 ships at sea
900 sorties per day
TCCC Strategic Engagement

Direct Linkage Between Strategic Plan and Engagement Themes

- Log Support to Theater Ops
- Defense Transportation System Modernization
- Process Improvement
- Energy Conservation

USTRANSCOM Vision:
Synchronize and deliver unrivaled, full-spectrum, deployment and distribution solutions

Support Full-Spectrum Global Plans and Operations
Align the Global DOD Supply Chain
Transforming Strategic Transportation
Global En Route Infrastructure Strategy

Stresses on the System:
- Pulling Back Forward–Deployed Forces
- Limited Multi-Modal Facilities

Today’s Port of Debarkation is Tomorrow’s En Route
Technology Goals: JLOTS/Seabasing

Capabilities to Enable Future Operating Environments:

- Skin-to-Skin Mooring
- Air & Surface Connectors
- Augmenting Established Ports
- Supplementing Degraded Ports
- Creating New Ports
Critical Enabler of National Security

4,194 Joint Aircraft to “Fly, Fight and Win”
## KC-X Capabilities

**Purple=JROC Validated Shortfall**  
**Green=DoD Mandated**

<table>
<thead>
<tr>
<th>KPP #1 Tanker Air Refueling - Boom/Drogue Same Sortie</th>
<th>KC-135E</th>
<th>KC-135R</th>
<th>KC-10</th>
<th>KC-X</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37</td>
<td>415</td>
<td>59</td>
<td>179</td>
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<table>
<thead>
<tr>
<th>KPP #2 Fuel Offload/Radius</th>
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<thead>
<tr>
<th>KPP #3 Communications, Navigation, &amp; Surveillance/Air Traffic Management (CNS/ATM)</th>
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<tr>
<th>KPP #4 Airlift Capability</th>
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<tr>
<th>KPP #5 Receiver Air Refueling</th>
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<tr>
<th>KPP #6 Force Protection - Chemical/Biological Ops</th>
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<tr>
<th>KPP #7 Net Ready</th>
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<tr>
<th>KPP #8 Survivability - Defensive Systems</th>
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<tr>
<th>Situational Awareness / Real Time Information in Cockpit</th>
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<tr>
<th>Night Vision Ops</th>
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<tr>
<th>Electro Magnetic Pulse Protection</th>
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<tr>
<th>KPP #9 Multi-Point Refueling</th>
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<tr>
<th>Fuel Plus Floors, Doors, and Defense</th>
</tr>
</thead>
</table>

- **Savings Through Capability**

- **Fuel Plus Floors, Doors, and Defense**
Savings Through Capability

- Tanker Air Refueling
  - Boom or Drogue
  - Same Sortie

- Fuel Offload / Radius

- CNS / ATM

- Airlift Capability

- Multi-R: Keep Fuel Over the Fight

- Receiver Air Refueling

- Force Protection
  - Chem/Bio

- “Net Ready”

- Survivability

- Multi-Point Refueling
Without Defensive Systems and Updated TTPs, Tankers Must Stand Off

- Same Sortie Service to All
- Keep Fuel Over the Fight
- MULTIROLE: Tanker, Cargo, Pax, Medevac
Prosecuting the National Military Strategy

Fuel Savings $2.2M/Day World Wide
Ultimate Force Multiplier

KC-X will fundamentally transform our mobility system as the C-17 transformed our airlift system

“The KC-X will be a game-changer—its value as a tanker will be tremendous—its value as a multi-role platform will create the ultimate force multiplier for the mobility enterprise. Quite honestly, I believe it will do for the whole mobility world what the C-17 did for theater and strategic airlift.” (Gen. Duncan J. McNabb, to House Appropriations Defense Subcommittee, 5 March 2009)
Transforming Distribution

Asset Visibility is a Cornerstone
Satellite Tracking Enhances Logistics Capability

PAKGLOC-Premium AIT Results

- Exquisite ITV on PAKGLOC
  - Reporting interval: ~20 min
  - No gaps in satellite coverage
- Automatic connectivity to government database
- Measure carrier performance
- Zero pilferage
- Improved personal security
**Metering the PAKGLOC Pipeline**

<table>
<thead>
<tr>
<th>Location</th>
<th>Unit Cargo</th>
<th>CL I / IV</th>
<th>Other*</th>
<th>FMS</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAK GLOC</td>
<td>200</td>
<td>473</td>
<td>688</td>
<td>1649</td>
<td><strong>3986</strong></td>
</tr>
<tr>
<td>PORT</td>
<td>185</td>
<td>932</td>
<td>579</td>
<td>2125</td>
<td><strong>3821</strong></td>
</tr>
</tbody>
</table>

*Other depicts CL II, III(P), VII, IX, AAFES.

- **Total containers booked or Underway to Karachi/Qasim (Next 30 days):**
  - PAK GLOC: 3986
  - PORT: 3821
  - **4334**

- **Stockage Levels**
  - Control Measures
  - Priorities
    - ✔️ PAKGLOC
    - ✔️ Port of Karachi
    - ✔️ Booked/Underway

- **Use of DTS allows USTRANSCOM to see and influence cargo Flow ISO the Warfighter’s prioritized requirements**

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**Legend**
- **Surface**
- **Data**
$2.3B COST AVOIDANCE
SINCE DPO DESIGNATION IN 2003 THRU DEC 2008

- DLA Defense Distribution Center Kuwait, SWA - $1,540M
- Supply chain logistics - $58.1M
- Returning lost equipment to supply system - $28.9M
- Aggregated passenger requirements - $4.8M
- Defense Transportation Coordination Initiative - $3.1M
Defense Transportation Coordination Initiative (DTCI)

- More than 600 CONUS Shipping Locations
- More than 2,000 Receiving Locations
- Less than Truck Load Rates

- No Overall Visibility
- Delayed Deliveries
- Mixed Cargo Priorities
Defense Transportation Coordination Initiative (DTCI)

- Projected 15% Truck Load Rate Savings
- Higher % of On-time Pickup/Delivery
- Lower Damage/Loss Rates
- Enhanced In-transit Visibility

$60M + SAVINGS/YR
Optimization of surface traffic through maximal use and utilization of 40’ containers will decrease costs while maintaining or increasing performance.

Distribution process improvement and deployment identifies opportunities to leverage improved business processes to remove distribution whitespace.

Substantial savings are attainable by increasing weight and cube utilization of high-volume channel flights while simultaneously using less-than-planeload services (e.g., CAT A) as “peak shavers”.

Oppportunity Overview:
Process Improvement, Surface and Optimization and Alignment
### DPO Strategic Opportunity Overview

<table>
<thead>
<tr>
<th>(Based on current GWOT OPTEMPO)</th>
<th>Velocity</th>
<th>Precision</th>
<th>Supply Chain Cost Savings</th>
<th>Programmed Investment (Years 1-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Process Improvement</strong></td>
<td>10-15%</td>
<td>10-15%</td>
<td>N/A</td>
<td>$4-6M</td>
</tr>
<tr>
<td><strong>Surface Optimization</strong></td>
<td>0-5%</td>
<td>0-5%</td>
<td>$45-90M/yr</td>
<td>$7-10M</td>
</tr>
<tr>
<td><strong>Air Optimization</strong></td>
<td>5-10%</td>
<td>5-10%</td>
<td>$50-210M/yr</td>
<td>$10-15M</td>
</tr>
<tr>
<td><strong>Supply Alignment</strong></td>
<td>5-10%</td>
<td>5-10%</td>
<td>$163-241M/yr</td>
<td>$3-6M+TBD</td>
</tr>
<tr>
<td><strong>Strategic Network Optimization</strong></td>
<td>5%</td>
<td>5%</td>
<td>$70-150M/yr</td>
<td>$3-5M</td>
</tr>
</tbody>
</table>

**Estimated Benefit by implementation year 3**

- **TRANSCOM Led**
  - 25-45%
  - 25-45%
  - $328-691M/yr
  - $27-42M+TBD

- **DLA Led**
  - 5%
  - 5%
  - $70-150M/yr
  - $3-5M

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1. Does not include potential IT investments to automate optimizations or MILCON
2. TBD relates to inventory source of inventory (DLA, service, or purchase)
3. Excludes reduction in inventory from improved precision and reliability
Amazon.com Approach
• Top-Down Commitment
• Amazon Centrally Orchestrated and Engineered
• Maximized Capability Reuse
• Incremental Capability Delivery

Amazon.com Features
Leading Online Retailer (2008)
• Prescribed Business Rules & Service Interfaces
• Decouples Customer Requirements from Amazon Corporate Services Requirements
• Offers a Variety of Vendor Services to free Resources to Manage their Business and not IT
• Enables Vendors to leverage Robust Data Store & Infrastructure Capabilities
• Permits Dynamic Scaling for Business Growth

A New Approach
(Commercial Implementation – Amazon.com)
**CSV Approach**
- Top-Down Commitment
- Delivered Within Existing Resources
- Maximized Capability Reuse
- Incremental Capability Delivery
- Government Orchestrated and Engineered
- Distributed Construction
- Using All Acquisition Tools
- “Services” vice “Systems”

**CSV Features**
- Standardized Mission Processes
- Standardized Mission and Data Services
- Allows Customers to Tailor MILDEP Specific Capabilities
- Standardized Interfaces and Vocabulary
98% of USTRANSCOM’s C2 on UNCLASS Systems

100+ Structured Attacks on USTRANSCOM

Over 375 Attacks

PAKGLOC Choke Points are Prime Targets

Cyber

2008

Aircraft

Ground LOC

69 Aircraft Shot at

2 Hits – None Critical

122 GOA Events – 42 Pirated

Piracy is a Growing World-Wide Threat

Defensive Systems & TTPs Critical to Combat Capability, Access, and Survival
Mission

Task Force Blackjack V conducts deployment and redeployment of Class V through the Kuwait Naval Base in order to resupply theater stocks with 762 containers of Class V and to retrograde 151 containers from the Transportation Support Activity to CONUS via the MV Virginian.

Recent Operations

ARCENT Theater Ammunition Resupply
Kuwait Naval Base

ARCENT Theater Ammunition Resupply
Kuwait Naval Base

Georgia Brigade Redeploy

The Challenge

- Return the Georgian First Brigade from Iraq within 96 hours of request from the Georgian Government

OIF/OEF Logistics Challenges

Traditional, ICDS, & JPADS

GPS-Guided Steerable Parachutes
“World-class people performing logistical miracles.”
Mission Accomplished Safely in 69 Hours

LTC Martin John Garner
1186th Transportation Terminal Brigade
S-3 / Port Operations Officer

In 64 hours or less...

ARCENT Theater Ammunition Resupply
Kuwait Naval Base

KNB-TSA Convoy Operations

Vessel Offload

Explosive Arc Mitigation

Pier-Yard Convoy Operations

Ammo Bunker Receive and Storage

KNB Landside / Seaside Security

from here…

to here…

Kuwait’s “I-95” to Saudi Arabia

in 84 hours or less…
Recent Operations

**OIF/OEF Supply Routes**

**ARCENT Theater Ammunition Resupply**
Kuwait Naval Base

**Mission**
Task Force Blackjack V conducts deployment and redeployment of Class V through the Kuwait Naval Base in order to resupply theater stocks with 762 containers of Class V and to retrograde 151 containers from the Transportation Support Activity to CONUS via the MV Virginian.

**Georgia Brigade Redeploy**

**The Challenge**
- Return the Georgian First Brigade from Iraq within 96 hours of request from the Georgian Government.

**Aeromedical Evacuation Bridge**

**From Configuration**
- Great Plains - 99 days to COMRES
- Georgia - 99 days to COMRES
- Southern Europe - 99 days to COMRES
- Total - 99 days to COMRES

**The Process**
- Critical Care
- Critical Care & Transport
- Critical Care & Transport
- Critical Care & Transport

**Survival Rate from Wounds (%)**
- 75%
- 90%
Afghanistan’s Logistics Challenges
Pakistan Ground Lines of Communication

- Zero Military C2
- 100% Commercial
- All Host Nation Trucking
- 30,000 Containers / Year
My Logisticians are a humorless lot…they know if my campaign fails, they are the first ones I will slay. - Alexander the Great
191 Containers Delivered

CONUS

PAKGLOC: 95 days
NDN: 59 days

Europe

PAKGLOC: 88 days
NDN: 45 days
Since Jun 08:
Throughput Capability Increased 29%

Since Jun 08:
Throughput Capability Increased 350%

Since Jun 08:
Throughput Capability Increased 267%
Bottom Line – Support the Warfighter!

We move America’s military might...make it happen...GIT-R-DONE!
A Promise Given……..will be a Promise Kept!