Content Summary

• Mission Overview

• Top Operational/Technology Challenges

• RDT&E Program/FY12 Call for Proposals

• Project Summaries

• Questions/Contact Info
USTRANSCOM’s End-to-End Mission

The optimized schedule is ready for execution.

Will my force in the AOR be ready for the fight on D-Day?

Where is my equipment now & when will it get here?

Leveraging S&T Community to Transform DoD Logistics Support to the Warfighter
Operating in a Global Environment...

Combatant Commander Plans...
- Rely on Austere Infrastructure
- Demand Rapid Force Projection
- Require Early Diplomatic Coordination
- Incorporate Civil-Military Support
- Pose Force Protection Threat

...that places a premium on Collaboration
Supply Chain Challenges

“Everything in war is simple, but the simplest thing is difficult.”

Carl von Clausewitz
The USTRANSCOM Team

Single Manager for Common-User Transportation

“Provide air, land, and sea transportation for the DOD, in both time of peace and time of war.”

Total Force: ~145,000

Commercial Industry Contribution

- CRAF: 1,146 Aircraft
- 34 Carriers

- VISA: 312 Vessels
- 48 Companies

Force = ~4,600
- Active Duty 59%
- Civilian 80%
- Guard/Reserve

Force = ~7,800
- Active Duty 80%
- Civilian 59%
- Guard/Reserve

Force = ~130,000
- Active Duty 59%
- Civilian 59%
- Guard/Reserve
Operations Enduring Freedom and Iraqi Freedom as of 1 Feb 10

- >11.8M tons dry cargo (air & sea)
- >6.5B gallons of fuel (air & sea)
- >6.4M Pax
- >4.6M CONUS Truck Shipments
- >223K Railcar Shipments
- >69,905 Patients Moved From AOR
- >134K Airlift Missions
- 921 Ship Loads
Top Operational/Technical Challenges

- Improve Point of Need Delivery
- Ability to Sustain from the Joint Seabase
- Command & Control (C2)/Decision Support
- Operate in Any Environment

See USTCH60-2 for complete list of challenges
RDT&E Overview

Current

- Precision Airdrop
- Joint Modular Intermodal Distribution System
- En-route Patient Care Module
- Coalition Mobility System

Future

- Transform the JDDE
- Agile Transportation for the 21st Century

RDT&E Overview

Seabase Enablers

- Joint Deployment and Distribution Enterprise (JDDE)
- Point of Need Delivery
- Enhance Warfighter Support

Coalition Mobility System
**RDT&E Program**

- Dedicated to improving logistical/supply chain performance (within DLA budget)
  - USTRANSCOM leverages technology to gain efficiencies and reduce the costs
    - Develop joint technologies to improve warfighter support
    - Improve precision/reliability/visibility/efficiency of the DOD supply chain
    - Assure superior strategic/operational/tactical mobility support for the warfighter

<table>
<thead>
<tr>
<th>PE 0603713S</th>
<th>FY10</th>
<th>FY11</th>
<th>FY12</th>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOD/PB</td>
<td>$29.3M</td>
<td>$29.1M</td>
<td>$29.0M</td>
<td>$28.9M</td>
<td>$29.4M</td>
<td>$30.0M</td>
</tr>
<tr>
<td>PE 0603264S</td>
<td>FY10</td>
<td>FY11</td>
<td>FY12</td>
<td>FY13</td>
<td>FY14</td>
<td>FY15</td>
</tr>
<tr>
<td>DOD/PB</td>
<td>-</td>
<td>$0.75M</td>
<td>$1M</td>
<td>$1M</td>
<td>$1M</td>
<td>$1M</td>
</tr>
</tbody>
</table>

*Identified by OSD(AT&L) as “model program” and #1 in DoD for transitioning new capabilities to the warfighter*
**RDT&E Process**

Jan-Feb
- Staff Input
- TCC Input
- Service Labs
- DPO Tech Gaps
- BAA to Industry
- Gov't Solicitation
- On-Going Projects
- JCTDs

Mar
- ERRC Validation/Announcement

Apr - Aug
- Receive Proposals/construct Plan

Sep - Nov
- Corporate Governance Process
- DPO Governance Process

Dec*
- New Projects & Plan

**RDT&E Plan Build**

*OSD RDT&E budget exhibit submissions drives timeline

---

**Jan - Sep**

- New Projects & Plan

**Contracting and Acquisition**

- Acquisition Packages/Contract Preps
- DBSMC paperwork for select IT projects

**Oct - Nov**

- FY Funds Awarded (2-year funds)

**Project Execution/Monitoring**

- OSD obligation/expensing rates tracked monthly via Webshare/tracking tools
- JCTD projects reviewed IAW DDR&E established process
- Semi-Annual project review to Program Manager – Feb; to Flag/SES – Jun
Point of Need

Unmanned Air Vehicles

Air Drop

Improved Precision Airdrop

Hybrid Lift
Robust Support from Joint Seabase

- **Surface Connectors**
- **Skin to Skin Mooring**
- **Container Movement**
- **Air Connectors**
C2/Decision Support

Cyber Security

Load Planning

Decision Making Tools
Global Reach

Defensive Systems for Mobility Lift Assets

Over-the-Shore Connectors

WMD Protection

Austere/Unimproved Access

Reduce Fossil Fuel Dependency

All Weather Capability
Enhanced Logistical Support

Cross Domain Collaborative Info Exchange

Next Generation Autonomic Logistics

Shipboard Selective Access and Retrieval System

En Route Patient Care Module

Joint Modular Intermodal Container

Joint Recovery and Distribution System
Transforming Defense Distribution

Ongoing Projects

The USTRANSCOM Research Development Test & Evaluation program explores innovative joint technologies that address Distribution Process Owner (DPO) and Defense Transportation System (DTS) capability gaps.

References

Transitioned/Completed Projects/Capabilities

FY12 Project Solicitation (government only)

Related Links

Program Training

OPR: Mr Lou Bernstein
Bottom Line - Support the Warfighter!

Get the Shooter To the Fight

Support Rapid Force Maneuver and Patient Movement

Sustain the Warfighter During the Fight

Bring the Warfighter Home