USTRANSCOM Initiatives
A Financial Perspective

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• **USTRANSCOM TCJ8 Mission**: Serve as the Commander’s trusted advisor on all Planning, Programming, Budget, Execution (PPBE) and Chief Financial Officer (CFO) matters, providing informed, objective guidance to decision makers as well as maintaining customer focused support to the Warfighter.

• **Key Tenets**
  - Ensure ability to fund Unified Command Plan (UCP) missions
  - Innovative solutions to meet aggressive timelines
  - Accurate financial statements for clean audit opinion
  - Transparency

• **USTRANSCOM Initiatives**: DoD Leader implementing SECDEF guidance on Business Reform. Fixing near term problems and focusing on solutions for the future Joint Deployment Distribution Enterprise (JDDE).
USTRANSCOM Initiatives - A Financial Perspective

- Sprint to the Cloud
- Sprint to Big Data
- Transportation Management System (TMS)
- Global Operations Center (GOC)
- Defense Personal Property System (DPS) Prototype
**USTRANSCOM Initiatives - A Financial Perspective**

**Why we are doing this**

- **Guiding Documents**
  - 2018 National Defense Strategy
  - SECDEF Reform Initiatives
  - USTRANSCOM Strategy
  - USTRANSCOM Initiatives - A Financial Perspective

- **Commander’s Intent**
  - *We can outpace any adversary in our ability to anticipate and enable decisive action*

**How we are doing this**

- **Mission Critical Transformation Initiatives**
  - 1. Sprint to the Cloud
  - 2. Big Data (prototype)
  - 3. TMS (prototype)
  - 4. GOC
  - 5. DP3 (prototype)

- Foundational changes to our enabling technologies...

- ...to fundamentally drive mission assurance.

Together, we deliver.
DoD previously directed data center consolidation for efficiencies. A flood in USTRANSCOM’s on-premise data center limited access to key command programs used for command and control for several days, highlighting a lack of information technology systems mission assurance at the command. As a result the command began investigating the feasibility of utilizing commercial cloud service capabilities and the USTRANSCOM “Sprint to the Cloud” was born.

**Current State**

USTRANSCOM unique C2 programs of record (PORs), many of which currently reside on onsite servers, making them susceptible to single points of failure.

- All PORs reside in DoD data centers
- USTRANSCOM designs security protocols
- If the server goes down, there is no backup to ensure access to programs

**Future State**

Command PORs and data will live in the USTRANSCOM Cloud, a secure network environment that provides enhanced resiliency, security, mission assurance.

- USTRANSCOM designs takes advantage of security protocols provided by cloud vendors
- Data is backed up in multiple locations, decreasing program downtime from days to seconds or minutes
- Cloud vendors manage the data centers and hardware, and regularly implement new security techniques and patches

The Cloud will provide the higher level of security that is needed to maintain continuous logistics and transportation operations and enable mission assurance.
USTRANSCOM Initiatives- A Financial Perspective (Cloud)

• **Cloud Impacts**
  • Cost Effective-infrastructure offsets
  • Security-protect data in financial/feeder systems
  • Support to Big Data/TMS
  • Access to Data
  • Support to Audit
In order to take full advantage of cloud computing and Big Data, USTRANSCOM needed to establish a centralized data repository.

**Current State**
USTRANSCOM stores data on multiple platforms that do not share common formats for the same data elements, which results in inconsistent outcomes, poor data integrity, and an inability to analyze and identify trends and correlations.

**Future State**
USTRANSCOM data will live in the enterprise data environment hosted in the USTRANSCOM cloud to make the command's data more accessible than ever before and allow command personnel to quickly query and analyze it.

The Enterprise Data Environment enables:
- Data storage, cleansing, analysis, and integrated views
- Resulting in actionable insights ...

USTRANSCOM's Enterprise Data Environment will enable the command and its components to easily access and analyze cleansed data to make better, insight-driven decisions in support of the command's UCP missions.
• **Big Data Impacts:**
  - Provide authoritative, accurate, and predictive data
  - Improved forecasting
  - Lead to more stabilized rates (transparency)
  - Use Data to get to clean audit
  - Trend analysis
Big Data Use Example: Data Mining for Improper Payments

An air carrier submitted a fraudulent re-weigh ticket that resulted in an overcharge of:

$11,256

IHT Order #12324-06

Origin: Bastion Airfield
Destination: Albany, GA

3,865 lbs.

$3,136

$408

$4,599

$15,855

$4,999

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Indiana, USA

Florida, USA

Georgia, USA
The JDDE maintains 100+ mode- and service-specific transportation systems for planning, managing, and tracking cargo and personnel in the Defense Transportation System. These systems don't interface or provide an end-to-end view of movement requirements, available capacity, or related financial transactions.

The JDDE uses one primary system to integrate end-to-end transportation operations to deliver and sustain the Joint Force. Through the TMS, USTRANSCOM connects to Service and Agency logistics systems, and provides a common platform to integrate GCC operations into the JDDE. With global use of a standard product, the TMS provides comprehensive information for JDDE-related 'Big Data' efforts, enables audit readiness, and improves USTRANSCOM's ability to develop global mobility solutions.

A TMS can meet the Department's Operational, Data, and Financial goals---but only if we're bold enough to fundamentally change the way we operate.
• TMS Impacts
  • Enables globally integrated ops, ITV, and cost transparency to provide JDDE with optimized transportation solutions
    • Improved organic/commercial asset utilization (reduced port hold times, increased mode and load utilization)
    • Improved integration between defense/industrial base and theater
    • Real-time cost vs. mode vs. RDD tradeoff options
  • Provides timely recording for accounting events
  • Allows for logistical and financial data to be dynamically updated
  • Provides key supporting documentation for auditability
  • TMS ROI will accrue from increased ops efficiency and future reductions in legacy capabilities/systems
The Secretary of Defense and Chairman of the Joint Chiefs of Staff have designated USTRANSCOM as the Joint Deployment and Distribution Coordinator (JDDC), responsible for integrating global DoD logistics and accelerating its ability to meet increased global transportation demands in the current and future operating environment.

**Current State**
The command receives and fulfills requirements from combatant commands without the ability to account for their impact on readiness.

**Future State**
The GOC will shape emerging requirements and provide transportation options based on capacity, to anticipate and enable decisive action.

USTRANSCOM will have a better understanding of the operating environment, allowing the command to identify and accelerate strategic decisions, like forecasting air refueling needs, in order to address challenges and sustain warfighters in a contested environment.
Global Operations Center Impacts:

- Maintain an enterprise level view for intermodal ops & readiness
- Ensure world wide COCOM readiness and support
- Predictive analysis allows for accurate workload forecasting and financial projections (budgeting)
- CRAF/VISA requirements/impacts to cash solvency
Together, we deliver.
• **MyMove Prototype Objectives**
  • Replace the legacy Defense Personal Property System (DPS)
  • Help improve the overall relocation experience for Service Members, DoD civilians and their families
  • Develop a user-friendly system that is easy to maintain and update
  • Develop prototype in the cloud using industry best practices

• **Partnered with Defense Digital Service (DDS) to hire a contractor to develop a prototype**

• **Jun 18: 13 Airmen used their computers and cellphones to accomplish their Personally-Procured Moves**
• To Do
  • Collaborative process involving DDS, USTRANSCOM and contractor to develop capability to process household goods shipments
  • Work with DLA to develop an interface with their GEX to flow information needed by DFAS to pay transportation service providers
  • Work with Services to develop an interface for electronic orders
  • Develop a simple user interface for Transportation Service Providers

• Expecting roll-out of Household Goods capability this month (Oct 18) to begin testing on select Airman
• **MyMove System Impacts**
  • Accurate DPS billing will improve auditability
  • Economic Analysis showed a positive Return on Investment
    • SAVES MONEY!
  • Newer code, easier/cheaper to maintain, reduced Service bill
    • Est: $42M peak in FY21 reduces to $26M in FY22
• Final Points
  - No initiative is successful without DOTMLPF integration
  - Integrating PPBE/CFO into operational initiatives early in process
  - All roads lead to clean audit opinion