United States Transportation Command and Its Journey to Global Multimodal Transportation

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Agenda

- USTRANSCOM Introduction
- Journey to TMS
- OTA Process & Solution Delivery
- Q&A
THE GLOBAL DISTRIBUTION NETWORK (GDN)

GDN is a Multi-Dimensional Network of...

- Routes
  - Lines of Communication
- Modes
  - Air, Land, & Sea
- Nodes
  - Enroute Infrastructure
- Providers
  - Comm Industry / Services
- Access
  - Host Nation Agreements
- Information Network
  - IT, Comms
- Distributed C2
  - Globally Positioned

...that Provides the National Command Authorities with Global REACH in Support of US National Security Objectives.
The JDDE maintains 100+ mode- and service-specific transportation systems for planning, managing, and tracking cargo and personnel in the Defense Transportation System.

Integration challenges make it difficult to achieve an end-to-end view of movement requirements, available capacity, or related financial transactions.
The JDDE uses a primary system to integrate end-to-end transportation operations to deliver and sustain the Joint Force.

Through a 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, a TMS provides comprehensive information for JDDE-related ‘Big Data’ efforts, enables audit readiness, and improves USTRANSCOM’s ability to develop global mobility solutions.
USTRANSCOM Journey with TMS – Part 2

Soren Hastrup, CEO Telesto Group LLC
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The Project

**Project Facts**
- OTA Acquisition (14 weeks)
- Global Operations w/ 55,000 Users
- 10 Billion USD+/‐ in freight spend
- 24/7 operations support
- 72 legacy systems across 5 key process areas: Plan, Order, Ship, Pay and Track
- Need for Audit compliance

**Key Challenges**
- Providing global visibility to cargo
- Change Management
- Data management across DoD
- Carrier networks and current policies
- Engineering TM to function inside current DoD and commercial legacy capability
- Moving fast while in control
Release 1.1 – 1.4

**DISTRIBUTION DEPOTS**

- Rel. 1.1
- McNeill
- Oklahoma City
- Red River
- San Joaquin
- Susquehanna
- Columbus
- Richmond
- Norfolk
- Cherry Point
- Warner Robins
- Albany
- Jacksonville
- Corpus Christi
- San Antonio
- San Diego
- Barstow

**Key**

- Air Channels
- Sea Lanes

**Rel. 1.2**

- Travis AFB
- DUGC
- San Joaquin

**Rel. 1.3**

- GLAM

**Rel. 1.4**

- USPACOM
The SAP Components

- Predictive Analytics
- Big Data
- IoT
- Artificial Intelligence
- BlockChain
- Machine Learning

SAP BI on SAP HANA
(structured and unstructured data)

Supply Chain Execution Platform

SAP TM
Transportation Management

SAP Event management (tracking and tracing, visibility, alerting)

SAP EWM
Extended Warehouse Management (warehouse execution)

Legacy

SAP HANA CLOUD PLATFORM
What do we actually expect to see?
Release 1.1 PDR Results

17 DLA Distribution Centers
The CONUS Distribution Network begins to take shape

17 DLA Distribution Centers

USMC Locations
The CONUS Distribution Network begins to take shape
The CONUS Distribution Network begins to take shape
The CONUS Distribution Network begins to take shape
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Questions?