Warehouse Management System Modernization Project

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Warehouse Management System (WMS) Overview for SAP Future of Innovation Conference

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Agenda

• Distribution Modernization Vision & Projects
• Warehouse Management System (WMS)
• Approach – Agile
• Partnership with USTRANSCOM
• Summary
Vision: Add significant business value by automating and modernizing distribution & disposition to improve operations and reduce cost

Wireless Warehouses / Printers / Tablets / Voice Pick
- Provide comprehensive wireless access and tools to enable efficiency on the floor

Next Gen Performance Management Tool
- Production and Productivity measurement and management

Warehouse Management System (WMS)
- Enhance warehouse management to provide simplified distribution, storage & transportation processes

Logistics Modernization and Implementation Support (LMIS)
- Design, install and integrate advanced industrial automation
- First project: Eastern Distribution Center (EDC)

Robotics Exploration
- Explore industrial grade automation solutions

Real-Time Location System (RTLS)
- Instrument small arms, pilfer able, classified, and capital equipment to track movement
Warehouse Management System (WMS)

**CAPABILITIES**

- Delivery Processing
- Work Scheduling
- Shipping & Receiving
- Physical Inventory
- Reporting & Monitoring
- Transportation Management
- Disposal

**MONTHLY SPRINTS**

- Configure capability based on standard SAP
- Review standard; Conduct Business Process Reengineering; Identify remaining gaps
- Scrutinize absolute minimum customizations to get to Software-As-A-Service
  - Challenge Laws, Regulations and Policies based on acceptable standard
  - DMP Senior Steering Committee approval for all customizations
  - Coordinate approved customizations with the DOD to drive to a solution SAP can incorporate into the standard software

**PROCESS**

- **WMS Corpus Christi Distribution Pilot**
- **WMS Distribution Deployment**
- **WMS Disposition Deployment**

**DEPLOYMENT**

- **Today**
- **Sep 2019**
- **Sep 2020**
- **Sep 2022**

**WARFIGHTER FIRST**
Agile Sprint Development Basics

- Sprints are “Time Boxed” – 30 Day Increments
- Subsequent sprint content may be adjusted as we go based on emerging requirements from previous sprints, prioritized by the customer
Partnership with USTRANSCOM

• Established 2 Tiered WMS/TMS Governance Council
  – Co-chaired by DLA J6 and TRANSCOM TCJ5/4

• Goals
  – Support greater overall Transportation/Supply Management capability integration, agility and resilience
  – Promote transparency and alignment through collaboration
  – Promote domain knowledge sharing - leverage Organizational, OSD, Services and Industry expertise

• Tenets
  – Seamless integration between envisioned operating capabilities (e.g. TMS and WMS)
  – Re-engineer business processes, limit customization
  – Reduce or eliminate duplication
  – Independent, but informed, deployments
Summary

- WMS Integration with Distribution modernization efforts will add significant business value

- Significant cost reductions provides ability to become more fiscally responsible

- Migration to cloud environment provides first step towards a Software-As-A-Service model

- Agile delivery of modernized technology allows us to provide capability to the warfighter faster and more efficiently

- Partnership with USTRANSCOM will ensure alignment to DOD objectives
Questions?