



USTRANSCOM

8/29/2007



Module 1 – Lesson 101, Research, Development, Test, and Evaluation (RDT&E) Program



Overview/Objectives

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The intent of lesson 101 is to provide instruction on the USTRANSCOM RDT&E Program to include Mission and Vision, Why RDT&E in USTRANSCOM, Program Benefits, Authority and Funding, Governance, USTRANSCOM RDT&E Process, Roles and Responsibilities, and the RDT&E Portal.



Mission and Vision

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- Mission: Develop and direct the Joint Deployment and Distribution Enterprise to globally project strategic national security capabilities; accurately sense the operating environment; provide end-to-end distribution process visibility; and responsive support of joint, USG and SecDef-approved multinational and non-governmental logistics requirements.
- Vision: USTRANSCOM provides synchronized transportation, distribution, and sustainment. This enables force projection, maintaining global power where needed, with the greatest speed, agility, and efficiency along with the highest level of trust and accuracy.





Why RDT&E in USTRANSCOM

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- Early efforts to leverage promising technologies to transform USTRANSCOM's capabilities were constrained by Financial Management Regulations which limited the use of Transportation Working Capital Fund (TWCF) dollars
- Reliance on Service RDT&E for joint-level capabilities unsuccessful
 - No sponsorship for Joint capability development or sustainment
- No investigation of new capabilities at the seams of the transportation and distribution supply chains
- No synchronization for Service/Agency capabilities at the exchange points in the supply chain

USTRANSCOM has unique responsibilities for fostering Defense Transportation System (DTS)/ Distribution Process Owner (DPO) innovation



RDT&E Benefits

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- Improved management across the “seams” of USTRANSCOM’s distribution process - fill the gaps
- Improved customer support via improved velocity, enhanced visibility, and cost avoidance
 - Improved responsiveness to dynamic, changing COCOM needs
 - Improved support in Contingency Planning
 - Better utilization of transportation assets
 - More confidence in sea vs. air decisions
 - Increased throughput in distribution processes
 - Other operational efficiencies
- Improved C2 interoperability of DTS/DPO assets
 - Fewer stand-alone, Service-only systems
- Savings reflected in ‘cost avoidances’





Authority and Funding

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- FY04 OUSD(C) authorized USTRANSCOM Transportation Working Capital Fund (TWCF) investments in transformational technologies
- PBD 703 (Dec 05) approved limited funding stream within DLA's RDT&E budget while PBD 705 (Dec 06) established the below out-year funding stream

	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
PE 0603713S	\$10M	\$15M	\$25M	\$30M	\$30M	\$30M	\$30M	\$30M

- Capability development area details outlined in USTRANSCOM Research, Development, Test and Evaluation (RDT&E) Plan, Handbook 60-2
 - Revised annually
 - Provides strategic roadmap for the exploration and exploitation of applied research and technology to enhance transportation and distribution processes
- Leveraging emerging technologies to enhance global distribution capabilities

Developing affordable capability enhancements -- focused on transitioning militarily relevant technologies to enhance JDDE warfighter support



USTRANSCOM RDT&E Governance

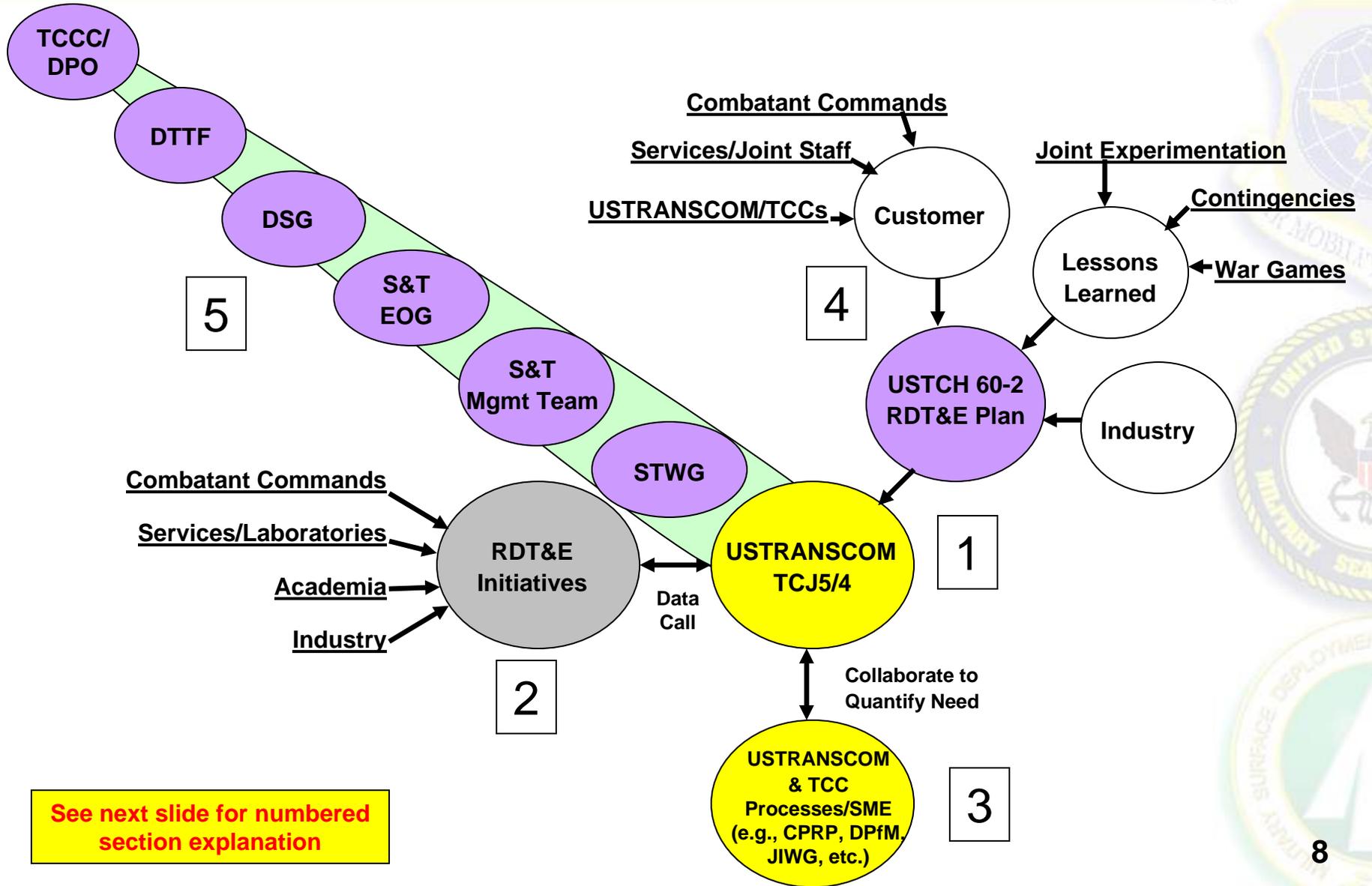
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- RDT&E investment strategy guided by USTRANSCOM Handbook 60-2, Research, Development, Test & Evaluation (RDT&E) Plan:
 - Summarizes ongoing Projects
 - Describes Future Technology Development Needs
 - All Linked to DPO Capability Gaps
- USTRANSCOM Instruction 61-1, Research, Development, Test & Evaluation (RDT&E) Program:
 - Establishes policy and procedures necessary to develop, implement and manage the USTRANSCOM RDT&E Program
 - Provides format for submitting RDT&E proposals
 - Provides Guidance to Project Managers/Coordinators overseeing RDT&E Development Activities



USTRANSCOM RDT&E Overview

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RDT&E Process Explanation

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1. TCJ5/4 is the focal point for coordinating Command RDT&E activities
2. RDT&E initiatives are received from Service Labs, Academia, and Industry through our data call that feeds the RDT&E process as well as from USTRANSCOM/TCC Staffs via STACS
3. Support for project management and transition vetted with USTRANSCOM/TCC staff/processes (e.g. CPRP, JIWG, DPfM, etc.)
4. Project needs come from the RDT&E Plan (USTCH 60-2) which is influenced by Industry, Lessons Learned, and Customer needs
5. Collaborating the three previously mentioned sources, the RDT&E initiatives are prioritized. These initiatives are then vetted through the Command staffing procedure which ranges from the Science and Technology Working Group (STWG) to the TCCC as the Distribution Process Owner (DPO) for final approval to formulate the new RDT&E Technology Plan.



J5/4 Program Manager Functions

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- Ensure the daily program management and execution of the Command's RDT&E program
- Develop/maintain the USTRANSCOM Handbook 60-2
- Solicit technology proposals to fill or address identified capability gaps
- Develop an annual technology plan
- Aid the staff in linking identified shortfalls to potential technology solutions in DOD Laboratories, Academic, and Industry Science & Technology (S&T) communities
- Ensure approved S&T projects are incorporated into the Command's S&T plans
- Monitor execution of funded technology projects



USTCI 61-1 Project Manager/Coordinator Responsibilities (You)

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- Oversee costs, schedule, and performance of assigned funded project(s)/initiative(s)
- Provide accurate and timely completion of all program data call requirements and provide detailed project updates to the J5/4 RDT&E Program Manager
- Manage the smooth transition of successfully completed technology efforts into the DOD Program of Record (POR)
- Provide project spend plans, as well as track and report monthly project obligation/expense (O/E) rates to the J5/4 Program Manager

Additional Duties Contained in USTRANSCOMI 61-1



USTRANSCOM RDT&E Portal

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The screenshot shows the USTRANSCOM RDT&E Portal website. At the top left is the USTRANSCOM logo. To its right is the text "RDT&E Research Development Test & Evaluation". On the top right, there are links for "Home | Privacy | FAQ | Contact Us". Below the logo is a search bar with the text "Search" and a "Go" button. The main heading is "Transforming Defense Distribution". Below this heading, there are four circular icons with corresponding text: "Ongoing Projects", "References", "Transitioned Projects/Capabilities", and "FY09 Project Solicitation (government only)". To the right of the "Ongoing Projects" icon is a paragraph: "The USTRANSCOM Research Development Test & Evaluation program explores innovative joint technologies that address Distribution Process Owner (DPO) and Defense Transportation System (DTS) capability gaps." To the right of the "FY09 Project Solicitation" icon are two more circular icons with text: "Related Links" and "Our History". At the bottom of the main content area, there are five small images: a parachute, a control panel, a tunnel, a vehicle on a ship's deck, and two people looking at a screen. At the bottom left, there is a "Training" link.

Access additional information and website at <http://rdte.transcom.mil>



Summary

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- You should now have a fundamental understanding of:
 - USTRANSCOM Mission & Vision
 - Why RDT&E in USTRANSCOM
 - Program Benefits
 - Authority and Funding
 - RDT&E Governance
 - USTRANSCOM RDT&E Process
 - Roles and Responsibilities
 - RDT&E Portal

Questions or Additional Information, Call the RDT&E Team
at #618-229-1109