



Module 1 – Lesson 101

Research, Development, Test, and Evaluation (RDT&E) Program

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Overview/Objectives



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

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Vision and Mission



- **Vision:** The transportation and enabling capability provider of choice.
- **Mission:** USTRANSCOM provides full-spectrum global mobility solutions and related enabling capabilities for supported customers' requirements in peace and war.

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Why RDT&E in USTRANSCOM



- Earlier efforts to innovate in USTRANSCOM were severely constrained by Transportation Working Capital Fund (TWCF) availability and limitations
- Reliance on Service RDT&E for joint-level capabilities was 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 Joint Deployment and Distribution Enterprise (JDDE) innovation as the Distribution Process Owner (DPO)

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RDT&E Benefits



- 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 CCMD 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 Command and Control interoperability of DTS/DPO assets
 - Fewer stand-alone, Service-only systems
- Savings reflected in ‘cost avoidances’

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Authority and Funding



- FY04 OUSD(C) authorized USTRANSCOM TWCF investments in transformational technologies
 - Existing Financial Management Regulations proved too restrictive
 - Designation as DPO provided unique opportunity to modify approach
- PBD 703 approved limited funding stream within DLA’s RDT&E budget with PBD 705 approving the established out-year funding stream. The line transfers to AF starting FY17.

Defense Logistics Agency (DLA) PE	FY 15 (\$M)	FY 16 (\$M)	FY17 PB (\$M)
Deployment & Distribution Enterprise (0603713S)	29.533	29.888	0
Agile Transportation for the 21 st Century (0603264S)	1.460	1.706	0
Air Force (PE)	FY 15 (\$M)	FY 16 (\$M)	FY17 PB (\$M)
Deployment & Distribution Enterprise (0604776F)	0	0	25.980

- 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

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RDT&E Governance

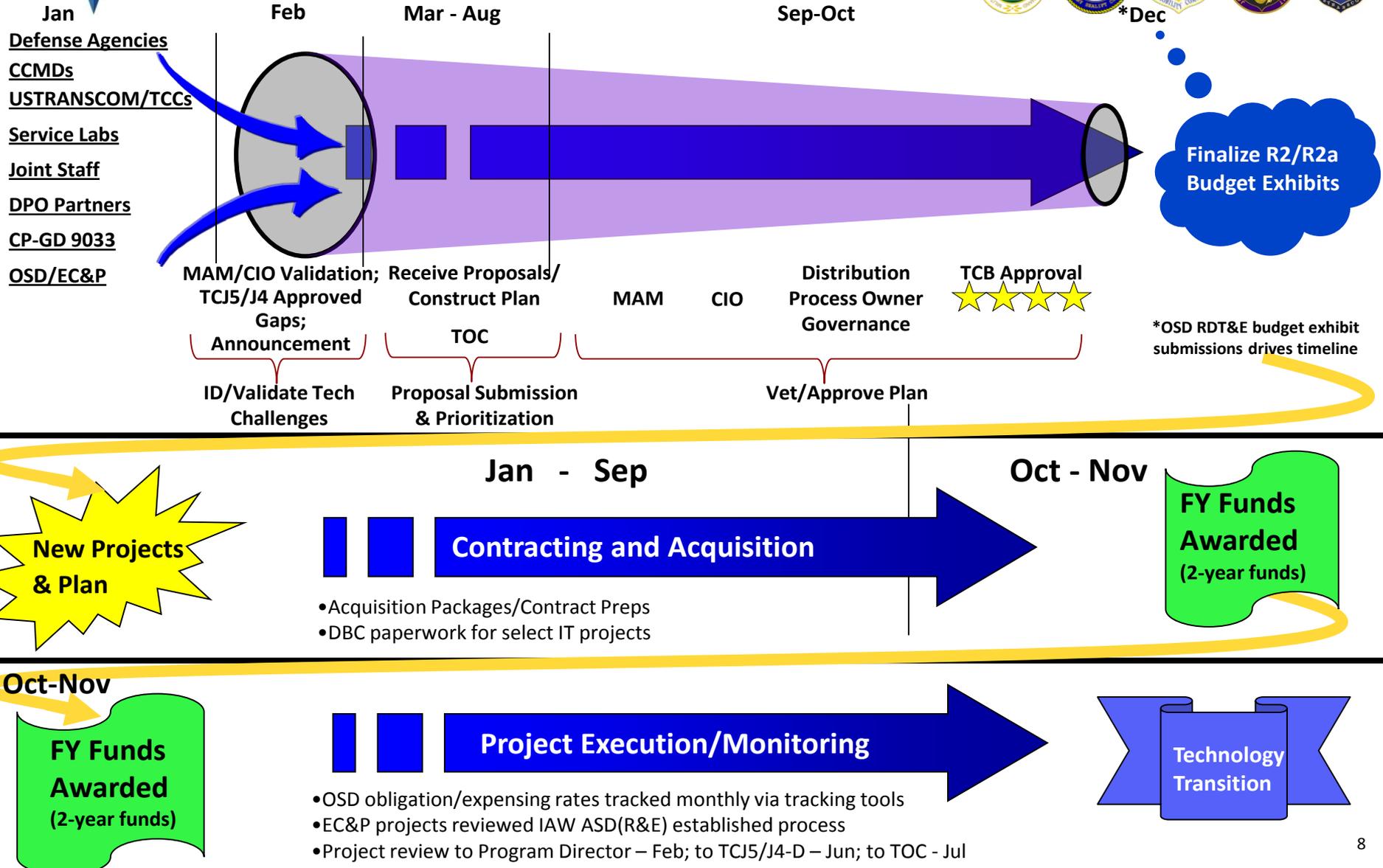


- **USTRANSCOM Instruction 61-1** (18 Feb 16)
 - Policy and procedures to develop, implement and manage the program
 - RDT&E submission format
 - Guidance to Project Coordinators overseeing development activities
- **USTRANSCOM Handbook 60-2** (22 Jul 16)
 - Summarizes ongoing & transitioned efforts
 - Describes future technology challenges/developmental needs
 - Linked to Joint Deployment & Distribution Enterprise (JDDE) validated gaps
- **USTRANSCOM Pamphlet 61-11** (18 Feb 16)
 - Provides Senior Leadership a handy tri-fold summarizing program accomplishments/value
 - Command's mission
 - RDT&E vision/goals
 - Technology focus/areas of interest
 - Summary of selected/transitioned benefits
 - Informational tool to educate Industry/Academia

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RDT&E Process





RDT&E Process Explanation



1. TCJ5/TCJ4 is the focal point for coordinating Command RDT&E activities
2. RDT&E initiatives are received from Government Agencies, Service Labs and Academia through our data call that feeds the RDT&E process as well as from USTRANSCOM and USTRANSCOM Component Command (TCC) Staffs
3. Support for project management and transition vetted with USTRANSCOM/TCC staff/processes (e.g. Mission Area Manager, Corporate Governance Process, etc.)
4. Project needs come from the RDT&E Plan (USTCH 60-2) which is influenced by customer needs, lessons learned and industry
5. Collaborating the previously mentioned sources, the RDT&E initiatives are prioritized. These initiatives are then vetted through the Command staffing procedure which ranges from the RDT&E Management Team to the Commander, USTRANSCOM for final approval to formulate the RDT&E Investment Plan

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Program Director Functions



- Ensure the daily program management and execution of the Commands RDT&E program
- Develop/maintain the USTRANSCOM Handbook 60-2, and USTCI 61-1 RDT&E Program Management
- 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 plan
- Monitor execution of funded technology projects

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Project Coordinator Responsibilities



- Oversee assigned funded initiative(s)
- Provide accurate and timely completion of all program data call requirements and provide detailed project updates to the USTC Program Monitor
- Monitor, coordinate, track and report obligations and expenditures to J8 and the Program Monitor on a monthly basis
- 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 RDT&E Program Director

Additional Duties Contained in USTCI 61-1

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USTRANSCOM RDT&E Portal



The screenshot shows the USTRANSCOM RDT&E Portal website. At the top left is the USTRANSCOM logo. The main header features the text "RDT&E Research Development Test & Evaluation" and navigation links: "Home | Privacy | FAQ | Our History | Contact Us". A search bar with a "Go" button is located on the right. The main content area is titled "Transforming Defense Distribution" and includes a central 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 left of this paragraph are three circular icons labeled "Ongoing Projects", "References", and "Transitioned/Completed Projects/Capabilities". To the right are three circular icons labeled "FY17 Project Solicitation (government only)", "Related Links", and "Program Training". At the bottom, there are five small image thumbnails: a parachute, a control room, a tunnel, a truck, and a person in a lab setting labeled "RDTE Background".

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



Summary



- You should now have a fundamental understanding of:
 - 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

Questions or Additional Information, Call the RDT&E Team at

618-220-4337

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