



NDIA T&E Conference

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&

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Mission



DT&E

***Improve Acquisition Outcomes
Minimize Discovery in IOT&E***

Est: 2009 by Title 10, Sec 139

- ***Program Offices and Services***
- ***Test planning and data analysis***
- ***Early discovery of deficiencies***
- ***Sharing of best practices***
- ***T&E Policy & Guidance***
- ***T&E Acquisition Workforce***

TRMC

***The Steward of DoD
Test Infrastructure***

Est: 2003 by Title 10, Sec 196

- ***Adequacy of the MRTFB***
- ***Testing of defense systems
during development,
acquisition, and sustainment***
- ***Other T&E facilities***

**OSD/DT&E and TRMC working together for
efficient T&E and improved DoD weapons systems**



The STEWARD of DoD Test Infrastructure



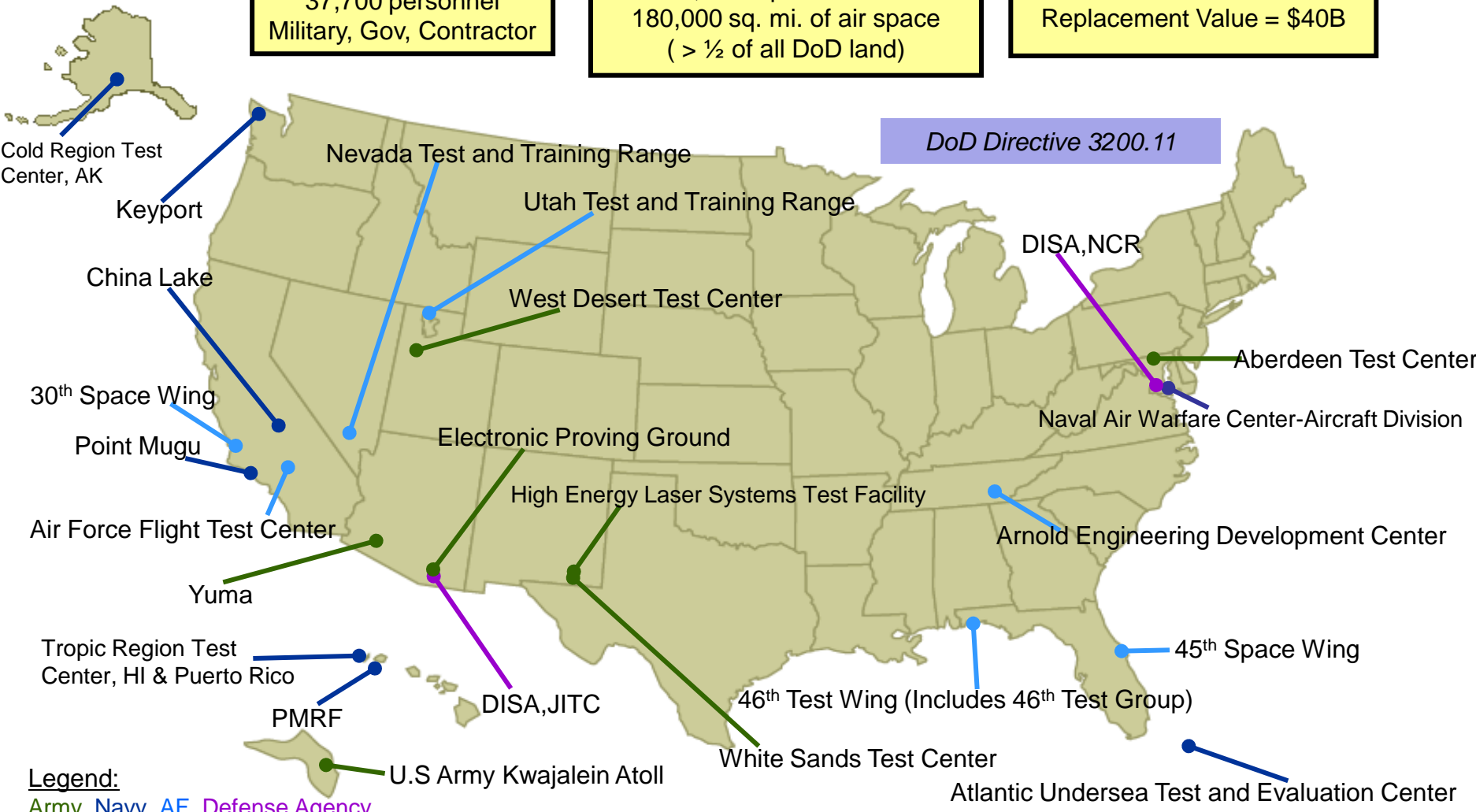
Major Range and Test Facility Base (MRTFB): The "Critical Core"

37,700 personnel
Military, Gov, Contractor

18,000 sq. mi. of land
180,000 sq. mi. of air space
(> 1/2 of all DoD land)

Replacement Value = \$40B

DoD Directive 3200.11



Legend:
Army, Navy, AF, Defense Agency

24 Sites: Army-9; Navy-6; Air Force-7; Defense Agency-2



Highlights of Reorganization



- **CTEIP, T&E/S&T, and JMETC Programs to remain largely unchanged**
 - Will stand-up interoperability and cyber capability within JMETC
- **Eliminated large dedicated Strategic Planning division**
- **Eliminated Test Resources division**
- **Created and melded T&E Range Oversight division, including:**
 - Strategic Planning Coordinator
 - T&E Budget Coordinator
 - International T&E Facilities Coordinator
 - Four new cells oriented along Service/Agency lines
 - Bulk of range knowledge, budget expertise, technical insight
- **Meld all T&E policy and workforce functions into existing DT&E organization (statutory task)**
- **Accounts for all directed efficiencies to-date**



DT&E / TRMC

AT&L

ASD(R&E)

DASD(DT&E) / Director, TRMC

Political Appointee
Career SES

Principal Deputy

Principal Deputy

- Air Warfare
- Land & Expeditionary Warfare
- Naval Warfare
- Information Systems
- Space Systems / MDA

T&E Competency & Dev

- T&E Workforce Assessment
- T&E Policy
- T&E Workforce Development

Corporate Operations

- Facilities, IT, & Security
- Personnel & Training
- Office Mgmt / Admin Support

T&E Range Oversight

- International Facilities Coordinator
- Strategic Planning Coordinator
- T&E Budget Cert Coordinator
- Range Sustainment
- Army
- Navy
- Air Force
- Agencies

Technology Development (T&E/S&T)

Test Capabilities Development (CTEIP)

Interoperability (JMETC)

Operations Officer

Organization approved: Jan 4, 2012

New merged website:
http://www.acq.osd.mil/dte_trmc/



DT&E Progress Since WSARA



	FY09	FY10	FY11	FY12
• Programs in Annual Report	17	38	39	?
• TEMP Approved	25	39	44	6
• Programs under T&E Oversight		~260	~259	280
• DABs Supported		18	22	5
• AOTRs published		4	2	5



DoD Archives Photo



DoD Archives Photo



DoD Archives Photo



DoD Archives Photo



Initiatives



DoD T&E Workforce



- Competency Assessment
 - Two T&E Competency Areas need improvement
- T&E Certification Requirements
 - Baccalaureate or graduate degree in a technical or scientific field
- NDAA 2012:
 - Chief Developmental Tester
 - Builds on AT&L Key Leader Position initiative
 - Lead Developmental Test and Evaluation Organization

T&E Competencies
Planning
Preparation
Test Execution
Analysis
Evaluation
Reporting
Professional

Better Workforce – Effective Oversight



MRTFB Reimbursable Policy



- MRTFB reimbursable policy (NDAA 2003):
 - Inconsistent interpretation and implementation across the MRTFB
- TRMC will promulgate policy that will clarify ambiguous language and include new policy for areas that have become an increasing concern in recent years
- Policy will address:
 - 1) Policy applicability (testers vs. other users)
 - 2) Acceptable methods for computing allowable direct costs
 - 3) Funding responsibility for the restoration of mothballed facilities
 - 4) Reimbursable policy for a single user



T&E Infrastructure Study

- USD (AT&L) directed TRMC to conduct a study to determine how T&E resource costs can be reduced to provide adequate and robust testing at incrementally lower budget levels
- Scope:
 - Identify high-payoff areas for potential savings
 - Determine T&E infrastructure requirements and proper stewardship of specific test capabilities
 - Identify capabilities required to meet future weapon system needs
 - Identify alternatives and develop recommendations for O&M support of test facilities to include private/public/hybrid/government corporation methods
 - Assess potential funding policy alternatives to the MRTFB

Draft report due to USD(AT&L) September 2012



Advancing Best Practices & Sharing Lessons Learned



- **Service-Focused DT&E Forum**

- Collaborative and structured forum for DT&E crosstalk
 - Service DT&E personnel, Testers, Action Officers, Lead DT&E Organizations, Chief Developmental Testers and Program Managers
 - Share DT&E best practices and lessons learned across all warfare domains
 - Strong support from Society of Experimental Test Pilots for initial rollout in 2012
- Blog capability
- CAC-enabled
- Links to multiple T&E sites

**Opening
in May 2012!**





Cyberspace T&E Strategy Overview



Cyberspace T&E Vision

Test & Evaluation that accurately and affordably measures cyberspace effectiveness and vulnerabilities of warfighting systems and DoD information systems, to verify the warfighter's capability to achieve mission success while operating in cyberspace

Four Major Thrusts

1. Cyberspace T&E Process

- Develop DoD policy for cyberspace testing during the acquisition process and for business models & corporate governance of distributed cyber test ranges

2. Cyberspace T&E Methodology

- Develop best practices for cyber testing of weapon systems to adequately assess cyberspace capabilities / limitations and develop cyber test measures & metrics

3. Cyberspace T&E Workforce

- Develop new training to enable T&E professionals and range personnel to conduct cyber testing in support of R&D and weapon system development and evaluation

4. Cyberspace T&E Infrastructure

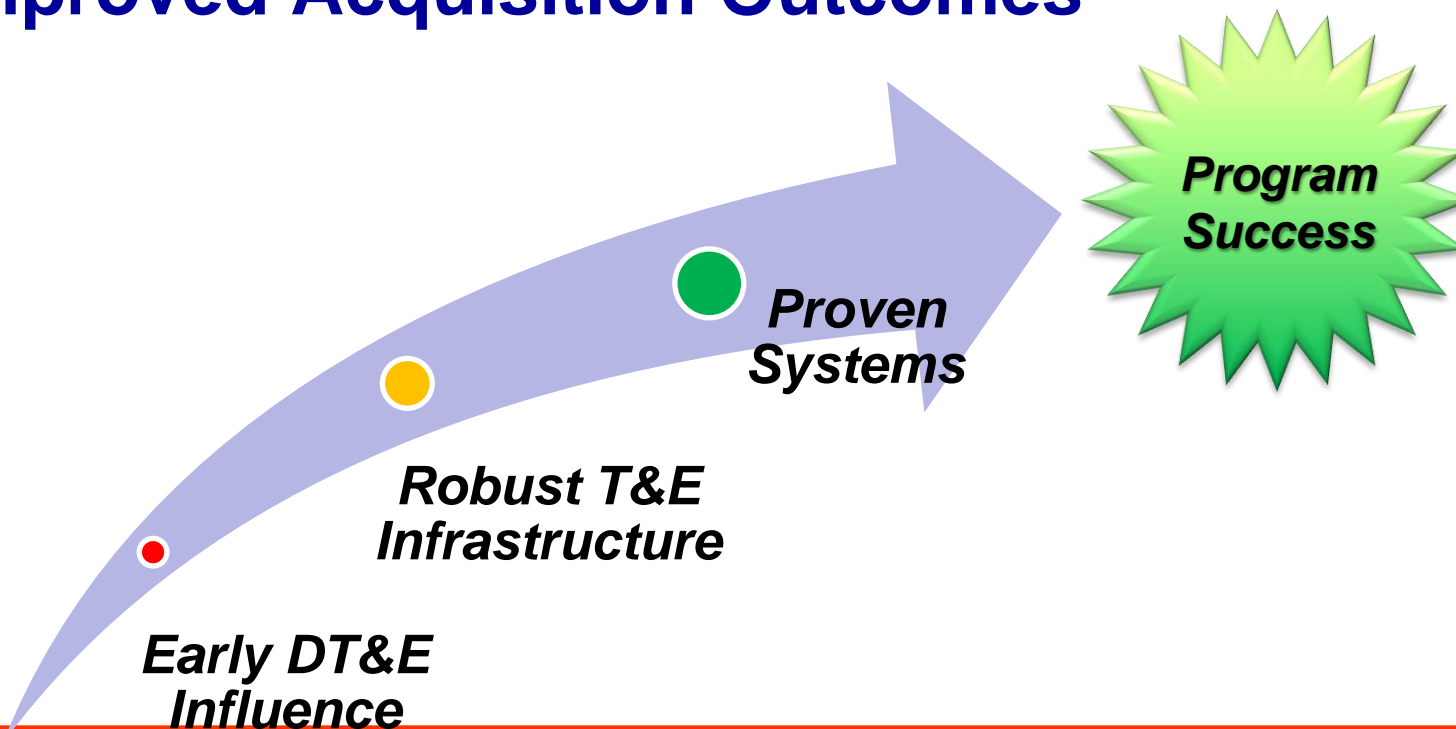
- Develop new range control, instrumentation and automation for existing and new DoD Test Networks, Labs, & Ranges for T&E of weapon systems operating in cyberspace

Use Pilot Events in 2011-2013 to define Major Thrust requirements and realize Cyberspace T&E Vision – 1st Pilot Event Successfully Completed Dec. 2011!



Takeaways

- **Enhanced Components' DT&E Capabilities**
- **Focused Investment in T&E Infrastructure**
- **Improved Test Support to Services**
- **Improved Acquisition Outcomes**





Questions?



OFFICE OF THE SECRETARY OF DEFENSE

OFFICE OF THE UNDER SECRETARY OF
DEFENSE FOR ACQUISITION, TECHNOLOGY
AND LOGISTICS

DEVELOPMENTAL TEST & EVALUATION
TEST RESOURCE MANAGEMENT CENTER

3090 Defense Pentagon
Room 5A1076
Washington, DC 20301-3090

New Web Address:

www.acq.osd.mil/dte_trmc



**The right information, to the right decision maker, at the right time, for
better decisions**