



## **Test and Evaluation**

**“Serving the Warfighter in a Cost  
Constrained Environment”**

**16 March 2011**

**Mr. Chris DiPetto**

**Office of the Deputy Assistant Secretary of Defense  
for Developmental Test and Evaluation**

---



# DoD Budget Realities



- Defense base funding must have **real growth to sustain force structure** and modernization
  - Fighting Two Wars
  - Confronting ongoing terrorist threats around the globe
  - Facing major powers investing heavily in their military
- Requires 2-3% real growth
  - The current and planned base defense budget has steady, but modest growth of 1% per year
  - To preclude reductions in needed military capability, the difference of 1-2% a year will be made up elsewhere in DoD
- In May, SecDef began a hard, unsparing look at **how DoD is staffed, organized, and operated**

“...in May I called on the Pentagon to take a hard and unsparing look at how the department is staffed, organized and operated. I concluded that our headquarters and support bureaucracies, military and civilian alike, have swelled to cumbersome and top-heavy proportions, grown over-reliant on contractors and grown accustomed to operating with little consideration to cost.” ....Secretary of Defense Robert M. Gates



# ..... enter the SecDef Plan for Efficiency



- Target Affordability and Cost Growth
- Incentivize Productivity & Innovation in Industry
- Promote Real Competition
- Improve Tradecraft in Services Acquisition
- Reduce Non-Productive Processes and Bureaucracy



(L) Secretary of Defense Robert M. Gates  
(R) USD AT&L Dr Ashton B. Carter

**“Consumers are accustomed to getting more for their money – a more powerful computer, wider functionality in mobile phones – every year. When it comes to the defense sector, however, the taxpayers had to spend significantly more in order to get more. We need to reverse this trend.” ....Secretary of Defense Robert M. Gates**



# Look at Acquisition?

## THE USUAL (?) SUSPECTS

### Cost

#### Over Budget

- GAO: 96 MDAPs, \$300B over initial estimates

### Schedule

#### Late to Need

- Getting capability to the user to meet urgent needs

### Performance

#### Programs failing Operational Test

- Suitability issues
- Late discovery of failure modes
- Performance shortfalls
- Interoperability





# Where Can the T&E Community Find Efficiencies?



- **Reduce the amount of testing**  
(manage our appetite, don't "test for testing's sake")
  - What is an "adequate" amount of testing to support the required evaluation?
- **Increase the efficiency of testing**  
(e.g., lower cost per test point or knowledge gained)
  - Tools Design of Experiments (DOE)
  - Capital Utilization
  - M&S
- **Use T&E as a means to reduce the cost of acquisition**  
(the "test-earlier" part)
  - Discovering failure modes early
  - Fully inform decision makers



# Panel





# Bios





# Biographies



## *Mr. Jack Manclark, Air Force T&E Executive*

*Mr. Manclark (Jack) is the Director of Test and Evaluation, Headquarters U. S. Air Force in Washington D.C. He is responsible for all Air Force policy, resources and oversight of developmental and operational testing, and is the focal point for foreign material acquisition and exploitation.*

## *Mr. David K. Grimm, Acting Director, Deputy Under Secretary of the Army, T&E Office*

*Mr. Grimm (Dave) is the acting Assistant Deputy Under Secretary of the Army for Test and Evaluation. He is responsible for all Army Acquisition Category (ACAT) I and II programs and the Chemical Biological Defense Program. He serves as the integrator and primary agent for the Secretary of the army in coordinating T&E issues, positions and reports with the other Military Departments, the Office of the Secretary of Defense, the Joint Staff and Congress.*



# Biographies



## *Dr. Steve Hutchison, DISA T&E Executive*

*Dr. Hutchison (Steve) assumed the duties as the Test and Evaluation (T&E) Executive in August 2005, to oversee strategic planning, resourcing, and execution of the T&E mission for the Agency, and represent DISA to the DoD T&E community. Dr. Hutchison supervises the activities of the Joint Interoperability Test Command and the Office of the T&E Executive. Prior to his arrival in DISA, Dr. Hutchison served in the office of the Director, Operational Test and Evaluation (DOT&E) and the Army Test and Evaluation Command (ATEC).*

## *Ms. Amy Markowich, Navy T&E Executive*

*Ms. Markowich (Amy) currently serves as the Deputy, Department of the Navy Test and Evaluation, Executive Office of the Assistant Secretary of the Navy (Research, Development and Acquisition (RD&A)). In this role she is responsible for the integration of Test and Evaluation (T&E) across the Navy and Marine Corps, enhancing the T&E workforce and infrastructure, and ensuring complete adequate testing to demonstrate suitable and effective operations in the joint battle space.*



# Biographies



**Mr. Tom Wissink, Director of Integration, T&E, Lockheed Martin**

***Mr. Wissink (Tom) is the Lockheed Martin Corporate Engineering & Technology Director of Integration, Test & Evaluation and a Corporate Senior Fellow. He has worked in system/software integration and test, software development, and configuration management for more than 35 years.***