

Developmental Test and Evaluation Committee 2015 Status and Plans

**Joe Manas (for Beth Wilson), Raytheon
Steve Scukanec, Northrop Grumman
Industry Co-Chairs**

DT&E Committee - 2015 Task Plan

Projects Working Group

Proposed 2015 Tasks:

1. Chief Developmental Tester Pilot Programs (First 17 CDTs certified by DASD-DT&E Dec 2015)
2. Collaboration with Architecture Committee
3. Agile SE / DT&E project
4. Cybersecurity DT&E (w/ SSE Committee Metrics project)
5. Collaboration with SED SW committee on SW Test Optimization (I&T of large Systems, Shift Left + STAT methods)

Deliverables/Products

1. CDT/ITL Best Practices, Developmental Evaluation Framework (DEF)
2. Arch/DT&E – TBD
3. Touch points - Where T&E and SE Meet in Agile SE
4. Cyber testing guidelines for PPP, DT&E role of verification of assurance case
5. Support SW committee white paper

Schedule / Resources

1. 2015Q1 – Programs being indentified for potential pilots to study CDT/ITL
2. Joint meetings Arch & DT&E TBD
3. Agile SE/DT&E project - TBD
4. Joint Meeting with SSE – 22-April-2015
5. See SW Committee Charts 9-Feb-2015

Issues / Concerns:

1. CDT-ITL pilots - Reach out to DT&E community and identify candidate programs where CDTs have been deployed –and programs are willing to participate
2. Arch/DT&E – Project Definition
3. Agile SE – Project Definition
4. Cybersecurity – Define DT&E role in SSE Metrics project
5. Define DT&E role with SW Test Optimization project

Completed 2014 Projects Summary

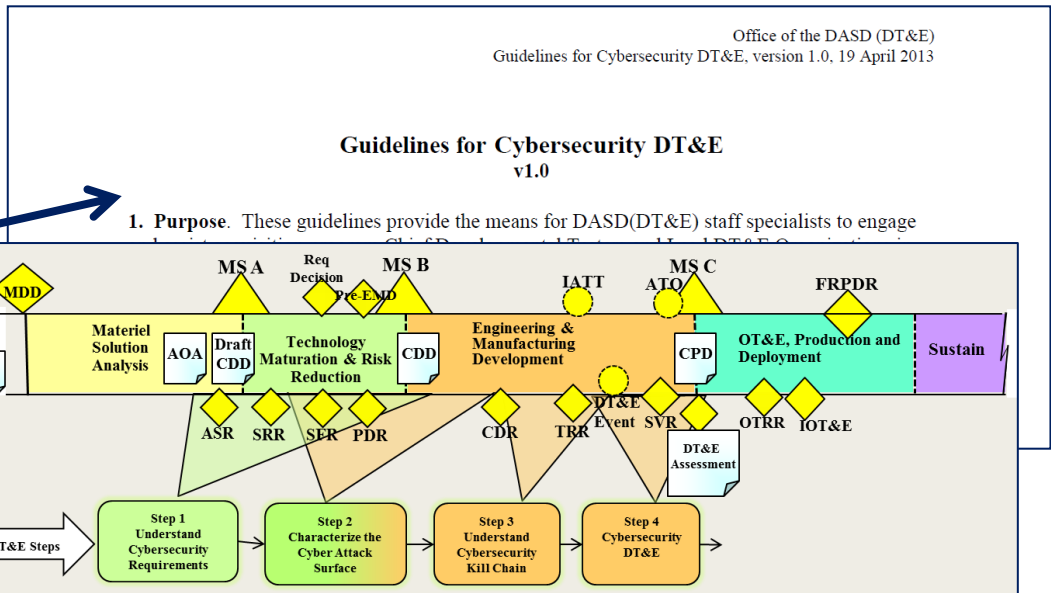
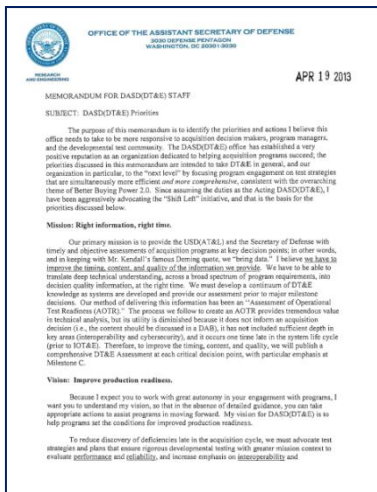
DT&E Committee

2014 Accomplishments

Activity	Plans for 2014	Status/Plans
NDIA T&E Conf	Panel members, CDT project awareness & status	Manas participated as panel member, CDT project also briefed at conference by Joe Manas.
NDIA SE Conf	DT&E tracks, Test Perspectives for Architecture	12 papers presented included joint tracks w/ M&S & Interoperability, Joe Manas presented (for Beth Wilson) "Test Perspectives for Architecture" paper
Cyber DT&E	Develop recommendations for Cyber Guidelines 2.0 in 2014	Completed paper, submitted to DASD-DT&E / DASD-SE, well received: <i>"Wish to express my thanks for this excellent feedback... thoughtful review."</i> –DASD-DT&E
Chief Developmental Tester Project	Develop recommendations for industry interaction with Chief Developmental Tester role	Completed 17 page white paper (reviewed & approved by (DT&E, ICOTE, T&E committees), in process with NDIA leadership for formal submittal to Mr. Kendall's office.

Cyber DT&E Guidelines Project

Project Name	Activities for 2014	Project Output
Cyber DT&E	Review what industry does for cyber testing, expand focus to include interoperability	<ul style="list-style-type: none"> Recommendations for Cyber Testing guidelines NDIA conference paper & ITEA journal



**Project Lead: Dave Desjardins
Joint Project with ITEA**

Cyber DT&E Project – Completed

- **Team comprised of Gov/Industry members**
 - Pete Christianson (MITRE) lead Gov rep.
- **Guideline paper completed by team & submitted to DASD-DT&E (Patrick Clancy) via Pete Christianson in March 2014**
- **Response from DASD(DT&E) was very positive**

“Wish to express my thanks for this excellent feedback...thoughtful review.”
- **Additional Comments from DASD(DT&E)**
 - DASD(DT&E) in collaboration with DASD (SE) and DOT&E are in the process of refining the initial Cybersecurity T&E guidance in order to support T&E across the acquisition lifecycle.
 - That guidance will ultimately be published in the upcoming updates to Chapter 9 of the Defense Acquisition Guidebook as well as the AT&L sponsored PM Cybersecurity Guidebook.
 - Mr Clancy has forwarded the suggested revisions to them for consideration as they finalize this guidance
- **Project team is exploring venues for paper/journal publishing on project (ITEA Journal 2015)**

Chief Developmental Tester Project

Project Name	Activities 2014	Project Output
Chief Developmental Tester	Review service policies for new role and industry implementations	<ul style="list-style-type: none"> Propose model for industry interaction White paper T&E/SE conference presentations

December 1, 2011

Ordered to be printed as passed

In the Senate

Resolved, That the titles (H.R. 1540) entities for fiscal year 2011 of Defense, for the activities of the Department of Defense, for personnel strengths for purposes,” do pass with the

AM

Strike out all

1 SECTION 1. SHORT TITLE
2 This Act may be cited as the
3 Short Title Act for Fiscal

3 SEC. 806. MANAGEMENT OF DEVELOPMENTAL TEST AND EVALUATION PROGRAMS.
4 EVALUATION FOR MANAGEMENT AND DEVELOPMENTAL TEST AND EVALUATION PROGRAMS.
5 TION PROGRAMS.
6 (a) CHIEF DEVELOPMENTAL TESTER.—Section 139b of title 10, United States Code, as amended by section 805(c) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 110-181; 123 Stat. 2403), is further amended—
7 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109-364; 120 Stat. 2530),
8 Fiscal Year 2007 (Public Law 109-364; 120 Stat. 2530),
9 as amended by section 805(c) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 110-181;
10 thorization Act for Fiscal Year 2010 (Public Law 110-181;
11 123 Stat. 2403), is further amended—
12 (1) by redesignating paragraph (6) as paragraph (7); and
13 graph (7); and
14 (2) by inserting after paragraph (5) the following new paragraph (6):
15 following new paragraph (6):
16 “(6) Chief developmental tester.”.
17 (b) RESPONSIBILITIES OF CHIEF DEVELOPMENTAL TESTER AND LEAD DEVELOPMENTAL TEST AND EVALUATION ORGANIZATION.—Section 139b of title 10, United States Code, is amended—
18 TESTER AND LEAD DEVELOPMENTAL TEST AND EVALUATION ORGANIZATION.—Section 139b of title 10, United
19 TION ORGANIZATION.—Section 139b of title 10, United
20 States Code, is amended—

The Secretary of Defense shall require that each major defense acquisition program be supported by—

- “(A) a **Chief Developmental Tester**; and
- “(B) a governmental test agency, serving as **Lead Developmental Test and Evaluation organization** for the program.

- Coordinating DT&E activities
- Insight into Contractor activities
- Oversee T&E activities
- Inform government PM about contractor DT&E results

**Project Lead:
Joe Manas**

CDT Project Status – Dec 2014

- **DT&E Committee Project team:**

Joe Manas (Lead) – Raytheon
Sandi Gianotas – Boeing (BTE)
Tom Simms – DASD(DT&E)
Joe Wascavage – NAVAIR

Brendan Rhatigan – Lockheed Martin
Steve Scukanec – Northrop Grumman
Paul Alfieri – DAU
Bram Lillard – DOT&E

- **Power Point paper version completed in July 2014**

Paper accepted to the following conferences:

NDIA 29th Annual National Test & Evaluation Conference ✓
07/21/2014 — 07/23/2014

The Westin Washington, DC City Center
Washington, DC

ITEA 31st Annual International Test and Evaluation Symposium ✓
10/6/2014 — 10/9/2014

Crystal Gateway Marriott
Arlington, Virginia

NDIA ICOTE Meeting ✓
7/21/2014

The Westin Washington, DC City Center
Washington, DC

NDIA 17th Annual Systems Engineering Conference ✓
10/27/2014 — 10/30/2014

Waterford at Springfield
Springfield, VA

- **White paper completed – November 14 ✓**

- Incorporated feedback received from ICOTE and T&E Division presentations
- Paper focuses on specific recommendations to shape future RFPs
 - Key Personnel Clauses around the Industry Test Lead
 - Key interaction between CDT & ITL and the output products
 - Developmental Evaluation Framework (DEF) – Recommend Workshop w/ key stakeholders
 - Continue to update and review the DEF / TEMP as needed during development

- **Final Review of with DT&E Committee & ICOTE Dec 4th 2014 completed ✓**