Developmental Test and Evaluation Committee
2015 Status and Plans

Joe Manas, 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

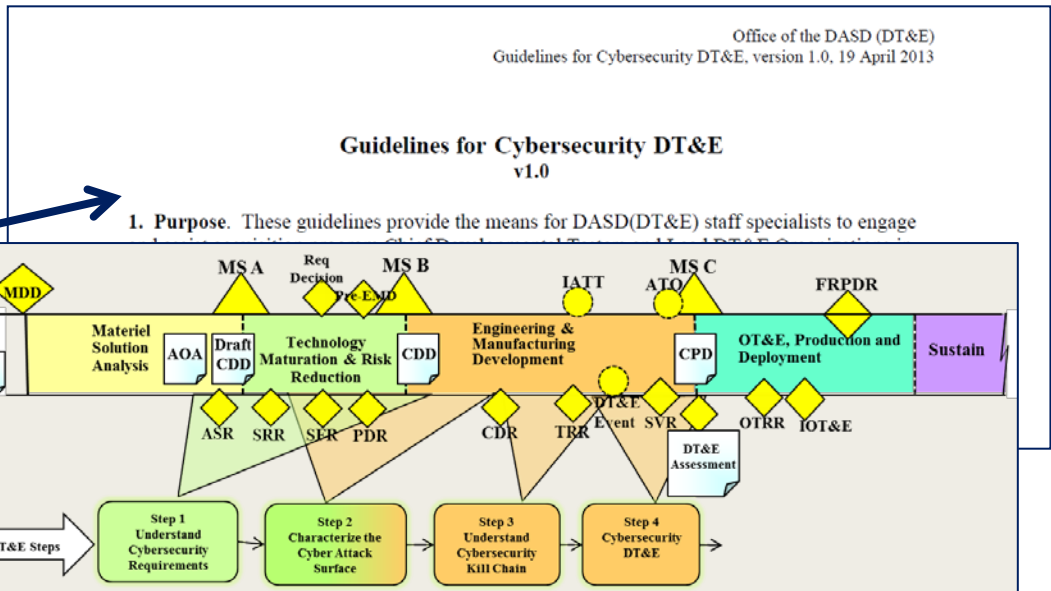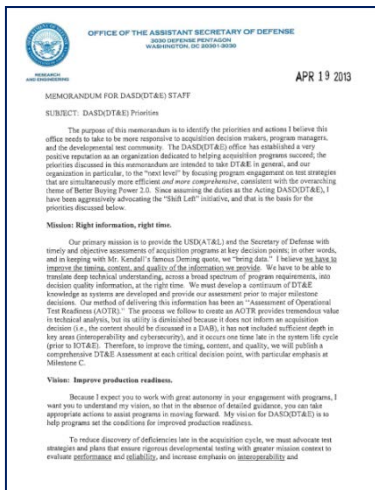# Completed 2014 Projects Summary

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: *"Wish to express my thanks for this excellent feedback…thoughtful review."* –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	• 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	• Propose model for industry interaction White paper • T&E/SE conference presentations

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 L**ead 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

December 1, 2011

Ordered to be printed as passed

In the Senate

Resolved, That the
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1 **SECTION 1. SHORT T**
2 This Act may
3 thorization Act for F

3 SEC. 806. MANAGEMENT OF DEV
4   EVALUATION FOR MA
5   TION PROGRAMS.
6   (a) CHIEF DEVELOPMENTAL T
7 of the John Warner National Defen
8 Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2330),
9 as amended by section 805(c) of the National Defense Au-
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 para-
13 graph (7); and
14   (2) by inserting after paragraph (5) the fol-
15 lowing new paragraph (6):
16   "(6) Chief developmental tester.".
17   (b) RESPONSIBILITIES OF CHIEF DEVELOPMENTAL
18 TESTER AND LEAD DEVELOPMENTAL TEST AND EVALUA-
19 TION ORGANIZATION.—Section 139b of title 10, United
20 States Code, is amended—

**Project Lead:
Joe Manas**

CDT Project Status – Dec 2014

- ## DT&E Committee Project team:

  Joe Manas (Lead) – Raytheon   Brendan Rhatigan – Lockheed Martin
  Sandi Gianotas – Boeing (BTE)   Steve Scukanec – Northrop Grumman
  Tom Simms – DASD(DT&E)   Paul Alfieri – DAU
  Joe Wascavage – NAVAIR   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 ✔   NDIA ICOTE Meeting ✔
  07/21/2014 — 07/23/2014   7/21/2014
  The Westin Washington, DC City Center   The Westin Washington, DC City Center
  Washington, DC   Washington, DC

  ITEA 31st Annual International Test and Evaluation Symposium ✔   NDIA 17th Annual Systems Engineering Conference ✔
  10/6/2014 — 10/9/2014   10/27/2014 — 10/30/2014
  Crystal Gateway Marriott   Waterford at Springfield
  Arlington, Virginia   Springfield, VA

- ## White paper completed – <u>November 14</u> ✔
  - 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 ✔