
An Update on the DT&E Committee's Recommended Policy Changes to DoD 5000

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Current Events

- FY2007 DoDI 5000.2 Update
 - “Fact-of-life” changes – existing policy memos
 - No significant impact to our efforts
- FY2007 NDAA Section 231 Report
 - Report to Congress on T&E Policy & Practices
 - Focus on new/emerging acquisition approaches
 - Policy changes TBD

Current Events (cont)

- **DT&E Defense Science Board**
 - Formed to look at DT&E roles, practices
 - Focus on improving readiness for IOT&E
 - No impact on our efforts
- **NDIA SED DT&E Committee Focus on DoD 5000 Recommended Policy Changes**
 - These efforts provide complementary or alternative view

Current Events (cont)

DRAFT POLICY WOULD BRING ‘OPERATIONAL FLAVOR’ TO WEAPON TESTING:

“ . . . By incorporating more *realistic* tests of system reliability throughout the development process, officials hope to reverse a recent trend where fewer and fewer platforms meet operationally suitable and effective standards . . . ”

Quote from Charles McQueary, the military’s director of Operational Testing and Evaluation (DOT&E), told reporters Oct. 19. (DefenseNews.com)

Current Events (cont)

From Yesterdays SE Conference Opening Session, October 23, 2007:

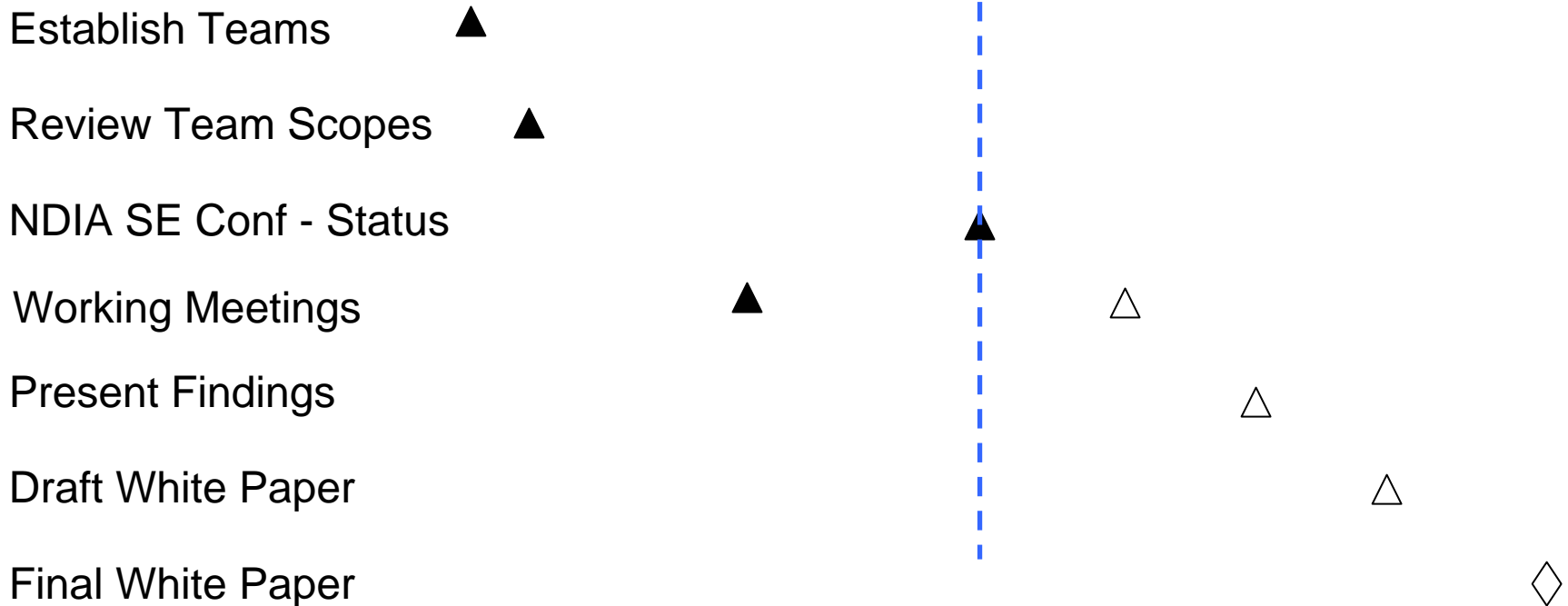
- Dr McQueary’s chart – Actions to improve Suitability includes the DT&E Committee White Paper
- Dr Finley made a comment about strong DT&E prior to milestone C

2007 DT&E Committee Focus

- **Three Focus Teams:**
 - Earlier contractor and tester involvement
 - Integrated DT/OT and DT operational relevance (combined)
 - Suitability
- **Recommend policy changes**
 - Input to FY2008 DoD 5000 update

Project Timeline

2007								2008			
May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr



Focus Team Expectations

- Teams expected to collaborate between DT&E Committee meetings and present findings at the meetings
 - Collaborate via e-mail, telecon, etc.
- Product is a White Paper on DT&E policy change recommendations
 - Draft outline available

Focus Team Expectations

- October Meeting (in San Diego)
 - Initial draft white paper outline
- Workshop (tentatively January 23-24, 2008)
 - Initial draft of white paper
 - Recommendations presented to stakeholders for comment
 - Recommendations sent out to NDIA SED members for comment
- April 2008 Submittal
 - Team leads incorporate stakeholder and SED member comments, prepare final recommendations, and submit through NDIA SED

Earlier Contractor and Tester Involvement

- Identify the “T&E Community” to include both contractor and government DT, OT and Live Fire (LF) organizations
- The T&E Community needs to work in collaboration with the Acquisition Community in the earliest phases and decision points of the acquisition process.
 - Make T&E Community participation and products mandatory at all early phases
 - Involved the T&E Community as early as the Concept Definition phase of a program. This needs to be detailed in the JCIDS process.

Earlier Contractor and Tester Involvement

- The Test & Evaluation Strategy (TES) is developed too late in the acquisition process.
 - The TES should be mentioned in the Acquisition Strategy and fully developed by the T&E Community prior to the system RFP/SOW.
- Awareness of test readiness is lacking as a program matures.
 - Develop a Test Readiness Level hierarchy similar to technology readiness levels and implement as part of Concept Definition.
- Need earlier incorporation of the TEMP in the acquisition process.
- There is a lack of visibility between the various T&E organizations across the T&E phases.

Integrated DT/OT and DT Operational Relevance

- Current 5000.2 allows for a wide variety of integrated testing strategies – it needs to provide more specific direction
- Need to ensure clearly defined terms – Joint DT/OT, Integrated DT/OT, Combined DT/OT, etc.
 - There are current definitions but not necessarily totally agreed to yet across agencies
 - DAU is a way to work the commonality of terms
 - Some of the biggest issues are cultural between the different stakeholders

Integrated DT/OT and DT Operational Relevance

- Several items from this team are very similar to Team 1
 - Earlier involvement & Funding needed
 - Need to understand all the Stakeholders (i.e. the T&E Communities that should be involved)
- Specific TEMP sections for integrated T&E need to be included & coordinated sooner with agreed to terminology, timelines, etc
 - Need PM & T&E in-sync on integrated T&E
 - How to transition from sequential events to a more integrated/concurrent T&E process

Suitability

- High percentage of programs deemed operationally effective, but NOT suitable
 - Ensure system suitability is a key feature of T&E Program
 - Requirements flowdown must include user definition of mission failure and scoring criteria
 - Identify potential operational failure modes and their mission impact early

Suitability

- Make T&E more operationally relevant
 - Test entire system in operational environment and scenarios
- Reliability as part of the T&E Program
 - Require mandatory reliability growth and assessment program in Request For Proposal
 - Health of Reliability program considered in each program/technical review with award fee criteria

Summary

- Significant effort by T&E and Acquisition Communities to provide more successful testing across a weapon systems life cycle
 - FY2007 DoDI 5000.2 Update
 - FY2007 NDAA Section 231 Report
 - DT&E Defense Science Board
 - NDIA SED DT&E Committee Focus