

Systems Engineering Division Developmental Test & Evaluation Committee

April 10, 2019

Test & Evaluation Division



Mission

The Test & Evaluation Division was formed in 1991 to address issues relating to test and evaluation of major defense systems and the building of partnerships between government and industry. The division is governed by its Executive Committee comprised of 22 current members from industry, government, academia and not-for-profit organizations to address both current and emerging critical T&E policy, procedures and national T&E infrastructure issues as they relate to the Nation's defense needs.

Three Focus Areas:

- Developmental Testing
- Operational Testing
- Live Fire Testing

Vision

Assist the entire national defense and homeland security community by providing a positive impact on the contributions that T&E can make on the timely equipment fielding for the nation's armed forces.

Ways and Means – via its Committees (ICOTE, TECC & SE/DT&E)

- Fostering informed dialog between private and public sectors on T&E issues
- Enhancing, at the national level, the development of T&E policies that improve the developmental, operational and live fire T&E process
- Building partnerships between the private and public sectors

NDIA SE and T&E Divisions

NDIA Systems Engineering Division

Chair: Joe Elm, L3 Technologies

NDIA Test and Evaluation Division

Chair: Joe Manas, Raytheon

*SED
Committee
Collaborative
Projects*

**NDIA Industrial Committee
on Test and Evaluation (ICOTE)**
Chair: Mike Rabens – Northrop Grumman

**NDIA
DT&E Committee**

*T&E policies and procedures which impact weapons
systems development, procurement, and use*

*SE/T&E Division
collaborative projects*

- SSE & Cyber
- M&S, Digital Twin
- MBE for Test
- Agile SE for Test
- Architecture for Test
- System of Systems

**Test Enterprise
Coordination
Committee**

Test Resource collaboration focused

- Range Access & Capabilities
- T&E Workforce
- Cyber T&E Resources
- Distributed Testing (JMETC/TENA)

**NDIA Systems Engineering Conference (Q4)
Collaborative Projects
DT&E Track Session**

**NDIA Test and Evaluation Annual Symposium (Q2)
Live Fire Test & Evaluation Conference (Q2)
T&E Speakers, Panels, Multiple Tracks**

SE Themes & Issues

T&E Themes & Issues

T&E Division Past & New Projects



- **ICOTE**
 - 2012 White paper: Early T&E (Shift Left)
 - 2015 White paper: Industry Test Lead partnering with Chief Developmental Tester
- **TECC**
 - 2016 TECC NCR visit & information exchange
 - 2016 Industry response to TRMC NCR T&E Issues survey
- **SE/DT&E**
 - 2013 White Paper: STAT / DOE (contributor)
 - 2014 presentation: Test Perspectives for Architecture (co-author)
 - 2016 White Paper: Cyber Resilient & Secure Systems Metrics and Measures (contributor)
- **2019 Projects**
 - Capability Based Test & Evaluation (CBTE) Workshop April 2019
 - Model Based Systems Engineering for Test, Agile/CBTE
 - Collaboration with OSD, Developmental Test Evaluation and Prototyping & DAU

T&E Conference Agenda

NDIA

- **Mon May 13**

- ICOTE & Reception 3-6:30 PM
- Air Force Armament Museum

- **Tues May 14**

- “Hawk” Carlisle – President NDIA
- Hon Behler – Director OT&E, OSD
- Brig Gen Azzano – Commander Air Force Test Center
- Jim Faist - Dir of Defense Research and Eng for Adv Capabilities, OSD
- Rob Miele, Army, ATEC Exec Tech Director/Deputy to the Commander
- Lifetime Achievement Award in Test
- Rear Adm. Paul Sohl, Commander, Operational Test and Evaluation Force
- Mr. Robin Locksley, Dir Flight Test Engineering, NAVAIR
- Capability/Mission Based Test & Evaluation Panel
- Conference Social

- **Weds May 15**

- Timothy Dare, Deputy Director, Developmental Test Evaluation and Prototyping
- Cyber T&E Panel w/ Col Choi, The 96th Cyberspace Test Group
- Autonomous Vehicle T&E Panel, w/ JHU/APL & Industry
- Testers of Year Awards
- Concurrent Break Out Session for Individual Papers

- **Thurs May 16**

- Eglin AFB tour of “Weapons Integration Exhibit” at King Hangar (US Citizen Only)
- Includes F-35, F-22, F-15, F-16, Target/Decoys, 7 SFG, EOD, AFRL, weapons petting zoo, and display of the Space Control Radar



Carlisle



Behler



Faist



Miele



Azzano



Sohl



Dare



Choi



Locksley



4/11/2019