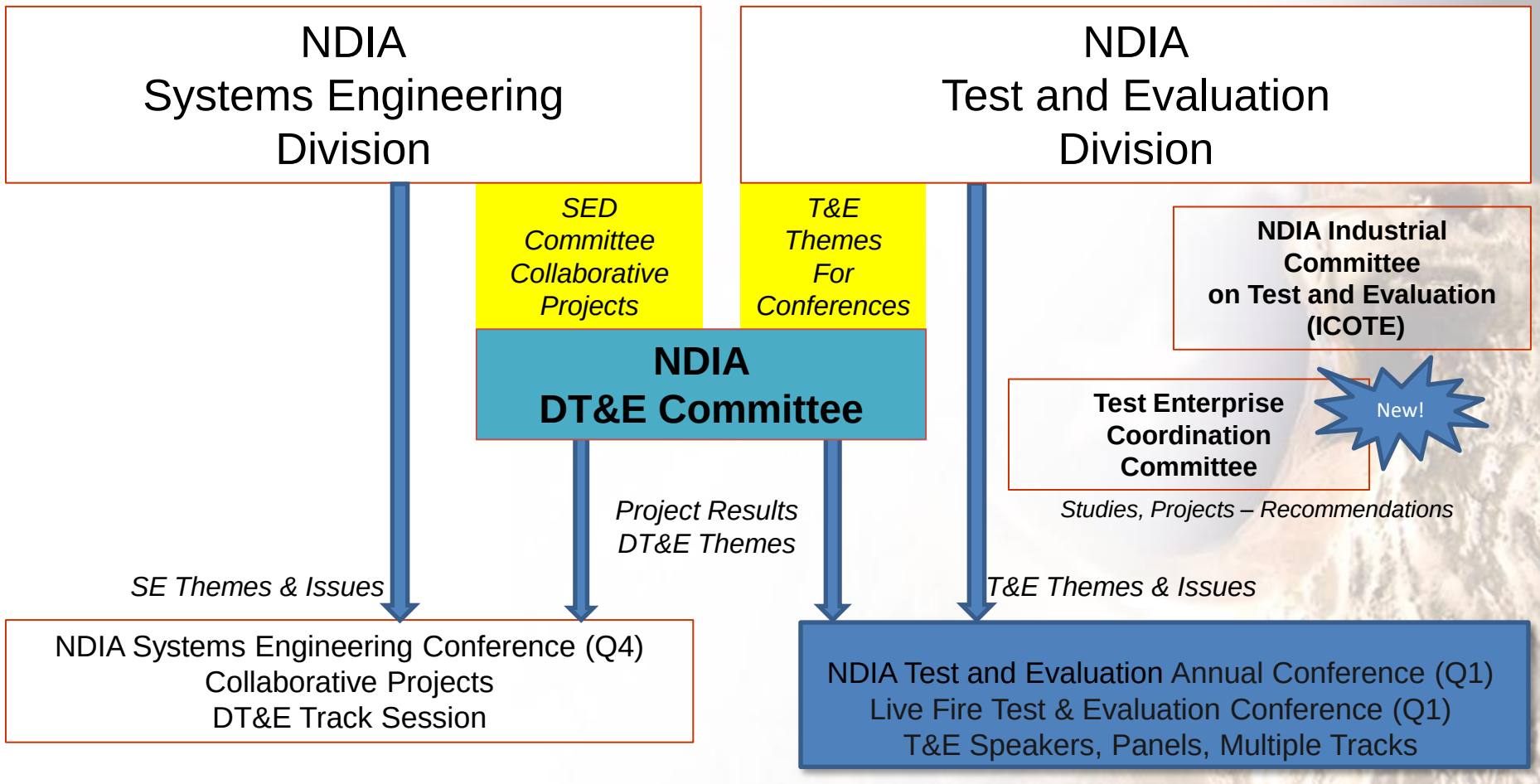
DT&E Committee Current Structure
Since 2010



DT&E Committee Focus: Collaborative Projects between T&E and SE Divisions

Test & Evaluation Division
Test Enterprise Coordination Committee

- **TECC Charter / Purpose**
  - **Provide a regularly occurring forum for industry and government to meet every 6 months and review issues of common interest and concerns regarding the T&E infrastructure.**
  - **Identify areas for improvement (Near & Far Term Needs) in government and industry T&E infrastructure.**

- **TECC Organization:**
  - **Sub-Committee under the NDIA T&E Division**

Topics Discussed at 19-May 2016 TECC

	Topics	Brief Overview
1	**Autonomous Vehicle Testing**	What do we need to be thinking about for how to test autonomous ground and air vehicles on our test ranges? What are the range safety considerations? What involvement should test systems engineers have early up front in the design phase to influence the design for testing on our ranges? Is the test community influencing the acquisition community for requirements (SRD, SOW) for testing these systems on our ranges?
2	**Cybersecurity Testing**	Does the government have the resources (facilities and personnel) to meet the demand of perform cybersecurity testing on weapon systems (new and legacy) in an operationally relevant environment? Are there opportunities for Industry to partner with the government by utilizing Industry resources (connecting cyber ranges).
	Test Range Protocol & process	Is there an opportunity to improve the process required for planning and conducting test events? What is the process at each range for Test Plan approval, range safety approval, personnel access, etc. It is similar, yet slightly different on every test range and also with each service on the range. Is there a website that I can go as a user to gain knowledge on the who, what, where, when, how and why for conducting a test on a range?
	Test Execution Efficiency	How do we improve the efficiency of test execution? Test efficiency rate can vary from 1.3 - 2.0. (i.e. It takes us 1.75 attempts to conduct 1 event). A test which was conducted but the system failed (did not meet the test objectives) does not factor into this rate, that is separate issue. The rate we are referring to here is score by whether a planned test is executed. What are the significant contributors for causing retest?: Weather? Contractor prime item not ready?, Range Resource availability (maintenance, resource not available, failure, etc.)? Do we currently have a baseline metric that has been established for us to improve upon?
3	**People**	What is the status of the T&E workforce (both for Industry and Government)? Do we have people with the right skill sets required to perform testing and evaluation? How do we know? Is there an established competency model, has gap analsyis been completed recently? Is there training available? How are we growing the future T&E workforce (pipeline) to replace the experienced workforce that will be retiring?

3 of the topics spawned potential joint T&E/SE project ideas

DT&E Committee – June 2016 Status

2016 Tasks:

- Cyber Resilient & Secure Systems Metrics & Measures Framework w/ SSE Committee
- Joint T&E-SE Division project ideas from the Test Enterprise Coordination Committee Meeting 19-May-2016
  - Education
    - Masters in Systems Engineering with major field in T&E
  - Architecture for Test
    - Autonomous Vehicle T&E

Deliverables / Products

- Cyber Resilient & Secure Systems
  - Joint committee white paper
  - Panel at Oct SE Division Conference?

Schedule / Resources

- Cyber Resilient & Secure Systems
  - Q3-Q4 Work with SSE committee to support SE Division Conference
    - Cyber / STAT / T&E panel?

Status:

- Cyber Resilient & Secure Systems
  - Joint white paper complete
  - Supporting follow on meetings