Monday, 16 November – Pre-Workshop Tutorials
8:00 AM – 12:00 PM

Cyber Table Top (CTT) Workshop
Vincent Lamolinara, Defense Acquisition University (DAU)

Cyber Security Assessment of MIL-STD-1553
Adam McCorkle, Georgia Tech Research Laboratory (GTRI)

Monday, 16 November – Pre-Workshop Tutorials
1:00 PM – 5:00 PM

Air Force's New MBCRA (Mission Based Cyber Risk Assessment) and Integrated Engineering Approach
Kevin McGowan, 47CTS/OL-A (COLSA)

Introduction to Cybersecurity Test and Evaluation
Pete Christensen, American Systems and Jean Petty, MITRE Corporation

TENA and JMETC Solutions for Cyber Test and Training
Gene Hudgins, Test Resource Management Center, Joint Mission Environment Test Capability (TRMC/ JMETC)

Tutorial Descriptions

Tuesday, 17 November – Day 1
Morning Session 8:00 AM – Noon

On the Main Stage

10:00 AM Opening Ceremony – Pete Crump GTRI, ITEA President

Welcome and Opening Remarks, Min Kim, 96th Cyberspace Test Group, Program Chair

10:10 AM Opening Keynote Speaker – George Rumford, Principal Deputy Director, Department of Defense, Test Resource Management Center

11:10 AM Guest Speaker – Major General Christopher Azzano, Commander, Air Force Test Center, Edwards Air Force Base

12:00 PM Lunch Break – Please take this time to visit the Virtual Exhibits in the EXPO

*** Workshop will be held in Central Time**

Afternoon Technical Track Sessions: 1:00 PM – 4:15 PM – Each Session 30 Minutes

In Tech Sessions

T&E Methodology (Part 1)

- Emerging Cyber Table Top Toolset
- Cyber Conditions and Test Tools
- T&E Methodologies

Test Environment (Part 1)

- Automated Knowledge-based Model Component Generation
- Towards Automated White-Cell Operations for Cybersecurity Training and Exercises
- Component Test Bed for Cyber DT

2:30 PM Virtual Exhibits – EXPO

T&E Methodology (Part 2)

- Cyber Survivability Attributes (CSA) Tool
- Rethinking the Data Collection Problem in Cyber Ranges
- Airborne Instrumentation Cybersecurity

Test Environment (Part 2)

- Cyber Pipelines - Solving Cyber Challenges with Agile Tools
- Meeting Cybersecurity Requirements with Your Operational Technology (OT)

4:15 PM Virtual Networking Event

Wednesday, 18 November – Day 2
Morning Session 8:00 AM – Noon

8:00 AM Coffee & Connect (Networking)

On the Main Stage

8:55 AM Welcome & Introductions– Scott Thompson, EWA

9:00 AM Keynote Speaker – Brigadier General Evan Dertien, Director, Air, Space and Cyberspace Operations, Headquarters Air Force Materiel Command

10:00 AM Featured Speaker – Amy Henninger, PhD, Senior Advisor for Software and Cybersecurity Office of the Director Operational Test & Evaluation (DOT&E)

10:45 AM Virtual Exhibits – EXPO

11:00 AM Guest Speaker - Chip Ferguson - Deputy DoD EA for Cyber Test Ranges, Test Resource Management Center (TRMC)

12:00 PM Lunch Break – Please take this time to visit the Virtual Exhibits in the EXPO

*** Workshop will be held in Central Time**

Afternoon Technical Track Sessions: 1:00 PM – 4:15 PM – Each Session 30 Minutes

In Tech Sessions

Software Test and Assurance

- Software Testing and Assurance at TRMC and the RDT&E Overlay
- Proteus: Automatically Find and Fix Vulnerabilities in Software Binaries
- Techniques for Fuzzing Embedded and Distributed System

Cyber Test Range

- A New Strategy for Funding T&E Range Infrastructure
- Why You Need Cyber Range as a Service
- Range Commander's Council (RCC) Cybersecurity Working Group Overview

2:30 PM Virtual Exhibits – EXPO

T&E Methodology (Part 3)

- FOSS Testing to Reduce Cybersecurity Risk
- Cyber T&E for Industrial Control Systems
- Using Probabilistic Mission Risk Analysis (PMRA) to Present Testing Data

Test Environment (Part 3)

- Virtualization: A Tool and A Challenge for T&E
- Cybersecurity - A Vendor Perspective, Part 3: Integrating Cyber Security into Product Development

Thursday, 19 November – Day 3

Morning Session 8:00 AM – Noon

8:00 AM Coffee & Connect (Networking)

On the Main Stage

8:50 AM Welcome & Introductions – John Rafferty, 16 EWS/B2 Branch

9:00 AM Featured Speaker – Brigadier General Scott Cain, Commander, 96 Test Wing
"T&E Challenges in Cybersecurity"

10:00 AM Guest Speaker – Colonel Michael Dooley, Commander, 96 Cyberspace Test Group

10:45 AM Virtual Exhibits – EXPO

11:00 AM Panel Discussion: "Cyber Testing - Yesterday, Today, and Tomorrow"
Chair: Sarah Standard - Cybersecurity/Interoperability Technical Director OUSD R&E, DDTE&A

12:00 PM Lunch Break – Please take this time to visit the Virtual Exhibits in the EXPO

*** Workshop will be held in Central Time**

Afternoon Technical Track Sessions: 1:00 PM – 4:15 PM – Each Session 30 Minutes

In Tech Sessions

Cyber EW

- Cyber T&E for Aviation IFF
- Cyber and EW Convergence Considerations for Operational Testing

Test Resource Management Center

- Artificial Intelligence Platform of Cyber Threat Automation and Monitoring (CTAM) System
- TRMC Cybersecurity Services Update

2:30 PM Virtual Exhibits – EXPO

T&E Methodology (Part 4)

- Updates to the JCIDS Manual and Their Impacts on Cybersecurity and T&E
- Human-in-the-loop Experimentation Support on the CyberVAN Test Bed

Workforce Development

- Youthful Discretion: Lessons Learned Recruiting, Engaging and Retaining Junior Cyber Engineers
- Supporting Cybersecurity Test and Evaluation Professionals