



T&E Current Activities and Future Vision Panel

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"Challenges Facing Test and Evaluation "
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Prepared by
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Panelists



- Mr. Giorgio Bertoli, Senior Scientific Technology Manager (SSTM) of Offensive Cyber Technologies and Chief scientist, CERDEC
- Mr. Tracey Bisbee, Division Chief, DISA/JITC Testbed Operations
- Mr. Anthony Castanares, U.S. Army Research Laboratory
- Mr. Chris DeLuca, Deputy Director, Space, Cyber and Information Systems DASD DT&E
- Mr. Terry Murphy, Deputy Director, Policy and Workforce Development, DHS
- Ms. Sarah Standard, Cybersecurity/Interoperability Technical Director, DASD DT&E



Panel Questions



- 1. Please briefly describe your role in your organization
- 2. What kind of Cyberspace T&E activities are being executed within your organization?
- 3. How does your team organize to plan and execute Cybersecurity T&E?
- 4. Are "Functional" Cybersecurity Requirements properly articulated so that your team can plan and execute Cybersecurity T&E? If not how do you determine those requirements?



Panel Questions (cont.)



- 5. Are "Non Functional or Derived" Cybersecurity Requirements properly articulated? If not how do you determine those requirements?
- 6. What people, places and things such as Automated Tools, Cyber Ranges, etc. have been most useful to your team in support of Cyberspace T&E?
- 7. What is lacking in terms of people, practices, procedures, Automated Tools, Cyber Ranges, etc. to support of Cyberspace T&E?
- 8. In a perfect world, what does the Future of Cyberspace T&E look like?



Thanks For Participating!

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Mr. Giorgio Bertoli



- Mr. Giorgio Bertoli works for the US ARMY Intelligence and Information Warfare Directorate (I2WD), Communications-Electronics Research Development and Engineering Center (CERDEC), where he is currently serving as Senior Scientific Technology Manager (SSTM) of Offensive Cyber Technologies and Chief scientist.
- Mr Bertoli holds MS degrees in EE and Comp SCI and has over 23 years of experience in the area of CYBER, Electronic Warfare, and military tactics, both as a civilian, and as a former active duty enlisted soldier. Mr. Bertoli's primary research areas currently include the development of advanced Electronic Warfare, Offensive Cyberspace, and Situational Understanding Capabilities



Mr. Tracey Bisbee



- M.S. Software Systems Engineering, George Mason University
- DISA/JITC employee serving as Division Chief, Testbed Operations (responsible for Department of Defense Information Network (DoDIN) Lab IaaS build out).
- Prior to his current assignment he was PM for the T&E Network Convergence effort and DISA Director, Test and Evaluation Management Center (TEMC)
- Prior coming to DISA, Mr. Bisbee was the Advanced Technology Innovation Center (ATIC) T&E Manager. Mr. Bisbee served as the IT senior consultant to the DoD Military Healthcare System Health Affairs (MHS/HA) - Clinical Information Technology Program Office (CITPO) - Director of Test and Evaluation (DT&E/OT&E). Mr. Bisbee was responsible for managing system & software developmental, testing and evaluation (DT&E) of eleven (11) clinical IT systems.



Mr. Chris DeLuca



- Joined the Office of the Deputy Assistant Secretary of Defense for Developmental Test and Evaluation, DASD(DT&E), in June 2015 and serves as the Deputy Director, Space, Cyber and Information Systems. His portfolio includes satellites and related support systems, strategic and tactical communications, command and control and intelligence systems, business systems, and radars. From 2011 to 2015, he was the Program Support Team Lead for Land Warfare and Tactical Communications programs within the Office of the Deputy Assistant Secretary of Defense for Systems Engineering's Major Program Support organization. He was responsible for DASD(SE) support to the technical reviews held for programs in these domains, guided and directed numerous program touchpoint engagements, and provided input to program performance metrics efforts as well as enterprise-level systemic root cause analysis. He led development of the first Department of Defense Risk, Issue, and Opportunity Management Guide for Defense Acquisition Programs, published in June 2015. From 2009 to 2011, he also served in the Business Transformation Agency as a Program Analyst and Deputy Program Manager for the Defense Agencies Initiative when he first joined the Office of the Secretary of Defense. Mr. DeLuca retired from the Army as a Colonel in 2009, gaining broad acquisition knowledge and expertise spanning the acquisition lifecycle during a 25-year career leading operational units and programs spanning all echelons and acquisition categories. Mr. DeLuca holds a B.S. from the U.S. Military Academy and an M.S. from The George Washington University. He is a member of the Defense Acquisition Corps.



Anthony Castanares



- Anthony is a Computer Scientist at the US Army Research Laboratory with over 12 years of experience in Cybersecurity assessment and analysis
- He has experience in penetration testing, vulnerability and risk analysis, Cyber modeling and simulation, and developmental and operational testing of Cybersecurity
- He is most interested in network layer attacks of routing and routed internetwork protocols
- Anthony is father to 3-year-old twin girls who keep him very busy when not at work.



Sarah Standard



- Sarah Standard is a 1988 US Naval Academy graduate and a retired Navy Captain, retiring in 2013. Commissioned as a Supply Officer, she served 5 years of active duty before transitioning to the reserves and after earning her MA in Applied Mathematics from the University of Maryland, College Park, with applications in Numerical Analysis, Operations Research, and Databases, she transitioned to the Information Professional community in 2004. She also has certificates in Enterprise Architecture and Chief Information Officer from the National Defense University. Previous assignments in the reserves include serving as the Reserve N6 with the Space and Naval Warfare Systems Command, as Information Management Cell Lead and then as Knowledge Management Officer with the Commander, Second Fleet (C2F), as Commanding Officer for Communication and Information Systems (CIS) C2F, and as CIS Director for Commander, Third Fleet. In 2010, Sarah returned to active duty and instructed calculus and cybersecurity courses at the US Naval Academy until 2013 and returned as a civilian adjunct through 2014. In 2014 she began working for AVIAN, LLC where she developed and instructed a NAVAIR-specific cyber warfare course for the NAVAIR acquisition workforce, teaching over 3000 in the first year offering the course. In 2016 she transitioned as a cybersecurity SME for The Patuxent Partnership and was subsequently selected to serve as the Cybersecurity/Interoperability Technical Director to the Principal Deputy Director, DASD(DT&E).