IEEE SCC20 18-1 Committee (e.g.; Steering) Meeting
North Reading, Massachusetts - Teradyne Conference Center
3:00PM – 4:00PM, Tuesday April 24, 2018
Minutes

Members for this meeting:

1)	**Mike Seavey**	Chair
2)	**Chris Gorringe**	Vice Chair/P1641 WG Chair
3)	**Teresa Lopes**	Secretary/Treasurer
4)	**John Sheppard**	Computer Society Designated Representative
5)	Joe Stanco	I&M and AES Society Designated Representative
6)	Les Orlidge	NDIA Designated Representative
7)	**Malcolm Brown**	UK MoD Designated Representative
8)	**Bill Ross [Mike Malesich]**	US DoD Designated Representative
9)	**Rob Spinner**	P1505.1 WG Chair
10)	**Ion Neag**	1671.3 WG Chair
11)	**Anand Jain**	1671.1 WG Chair
12)	Christy Bahn	IEEE Staff Liaison (Non-Voting Member)

Voting Quorum for this meeting: 6

	Items	Category	Person
1	**Call to Order**	Action	Mike Seavey

Meeting called to order at 3:05 PM

2	**Quorum Check**	Action	Teresa Lopes
2.1	Introductions/Attendance Sheets	Information	Mike Seavey

There are 9 members in attendance, which satisfies the requirement of a quorum of 6 (quorum is 50% and there are 11 members)

2.1 Attendees

SCC20 18-1 Steering 4/24/2018

Name	Affiliation			
Larry Adams	Air Force Life Cycle Management Center			
Christy Bahn	IEEEE-SA			
Malcolm Brown	UK MOD			
Chris Gorringe	Spherea	✓		
Alicia Helton	Lockheed Martin Rotary and Mission Systems			
Anand Jain	National Instruments			
Teresa Lopes	Teradyne			
Steve Mann	BCO, Inc			
Ion Neag	Reston Software			
Mike Seavey	Northrop Grumman Corporation	✓		
Robert Spinner	ATTI			
Ron Taylor	Summit Test Solutions	✓		
Tim Winquist	AIDI	✓		
Val Khalfin	ASONIKA	✓		

3	**Agenda**		
3.1	Accept Agenda	Action	Mike Seavey

4 **Old Business**

4.1 Review/Accept Minutes from Previous Meeting — Action — Teresa Lopes

There were no comments on the minutes from the previous meeting. The 17-2 minutes are accepted as worded.

5 **WG Reports**

5.1 P1505.1 — Information — Steve Mann

Revision to IEEE STD 1505.1-2008: IEEE Standard for the Common Test Interface Pin Map Configuration for High-Density, Single-Tier Electronics Test Requirements Utilizing IEEE STD 1505.

- Steve Mann provided updates regarding the status of P1505.1.
- Final minor updates were completed as P1505.1 Rev D3. This was submitted to MEC.
- Ballot constituency was also submitted.

IEEE STD 1505-2010

Steve Mann indicated that this standard is due for recirculation. This was discussed during the 1505.1 working group meeting. It was recommended that a 1505 study group be formed to review the current standard for possible updates and to collect input form interested parties. It was agreed to form a study group.

5.2 P1641 — Information — Chris Gorringe

Reviewing feedback and creating a list of issues to address in the revision of the standard. Will categorize the issue and assign them to individuals to generate proposals. First step is to identify whether or not something needs to go in the standard, and if yes, what words should go in the standard.

5.3 P1636/P1636.1/P1636.2 — Information/Status — Mike Seavey

All 3 ran in parallel. One general comment from the IEEE – has been discussed and removed. RevCom packages will get created shortly.

6 **Chairs Report** — Information — Mike Seavey

< SCC20 18-1 Chairs Report.pptx>

- Designated representatives – don't know the state of Joe Stanco and liaisons to AES and I&M. May also need a new NDIA representative.
- 1671 Study group met and identified 4 of the standards to revise together
- 1636, 1636.1 and 1636.2 going to RevCom
- 1505.1 going to MEC
- 488.1 and 488.2 need to find the source of those standards

[ACTION] Christy Bahn – find original source for 488.1 and 488.2

- Working with IEC to get back in Sync
- There's lots of interest in CyberSecurity. NIST already has many standards – DoD calls out many NIST standards
- FLOSS – no interest in developing a recommended practice, no activity in the IEEE
- Upcoming meetings – have rooms on the 15 and 16, need to identify how many rooms we need. Ion might be able to help with logistics.
- Mike Malesich will look into Joe Stanco availability

6.1 BRC Guidelines — Information — Mike Seavey

RevCom asked Mike to say the following: in the cell that says what you did to resolve the comment, be VERY specific in describing what you did. They want to see exactly what was done.

7 **Liaison Reports**

7.1 Aerospace Electronic Systems Society — Information — Joe Stanco

None

7.2 Instrumentation and Measurement Society — Information — Joe Stanco

None

7.3 Computer Society — Information — John Sheppard

Nothing specific to report from the Computer Society; however, the IEEE's work in the areas of "ethically aligned design" for artificial intelligence and autonomous systems continues. The second edition of their white paper came out in December, and public comment period ended March 12. The period for members of the committee, of which I am one, to submit comments is May 7.

As a reminder, the IEEE SA is developing 11 standards under this initiative, listed in the minutes.

- IEEE P7000™ - Model Process for Addressing Ethical Concerns During System Design
- IEEE P7001™ - Transparency of Autonomous Systems
- IEEE P7002™ - Data Privacy Process
- IEEE P7003™ - Algorithmic Bias Considerations
- IEEE P7004™ - Standard on Child and Student Data Governance
- IEEE P7005™ - Standard for Transparent Employer Data Governance
- IEEE P7006™ - Standard for Personal Data Artificial Intelligence (AI) Agent
- IEEE P7007™ - Ontological Standard for Ethically Driven Robotics and Automation Systems
- IEEE P7008™ - Standard for Ethically Driven Nudging for Robotic, Intelligent, and Automation Systems
- IEEE P7009™ - Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems
- IEEE P7010™ - Wellbeing Metrics Standard for Ethical Artificial Intelligence and Autonomous Systems

7.4	National Defense Industrial Association	Information	Les Orlidge

< NDIA ATC Liaison report for SCC20 18-1.docx>

7.5	U.S. DoD	Information	Mike Malesich (for Bill Ross)

< April 2018 SCC20 DoD Report_0418.pptx>

7.6	U.K. MoD	Information	Malcolm Brown

< SCC20 18-1 liaison report.docx >

8 **New Business**

8.1	PAR for the Revision of 1505	Action	Steve Mann

Deciding between a study group or submitting a PAR. Published in 2010, becomes inactive in 2020 if the group does nothing. Will form a study group initially to discuss possible updates or things to investigate. Will be in a better position to generate a PAR after the study group.

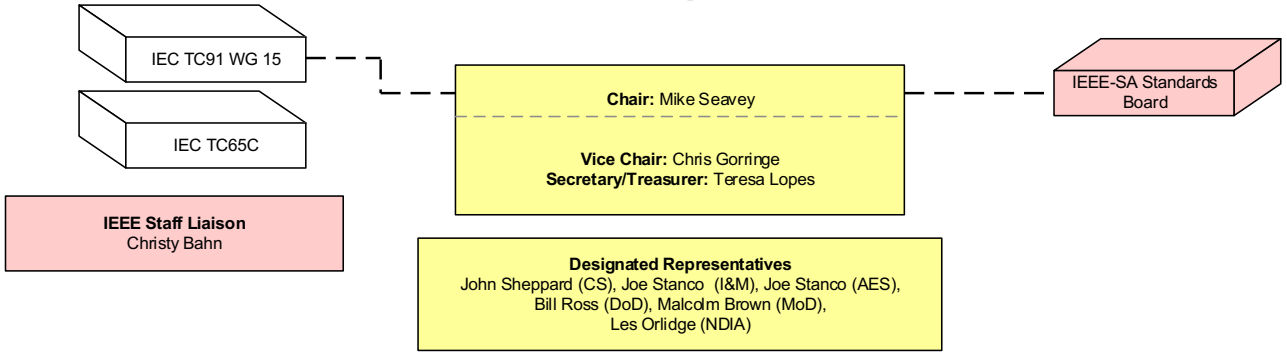
PAR will not occur at this meeting

9	**Adjournment**	Action	Mike Seavey

Meeting adjourned at 3:58 PM

Chairs Report

SCC20 Organization



IEEE-P1641
STD
Revision of IEEE-1641-2010
WG Chair: Chris Gorringe

IEEE-P1505.1
Common Test Interface Pin Map Configuration
Revision of IEEE-1505.1-2008
WG Chair: Rob Spinner

Active Working Groups (Revision to a Published Standard)

IEEE-P1636
SIMICA
Revision of IEEE-1636-2009

IEEE-P636.1
SIMICA: Test Results and Session Information
Revision of IEEE-1636.1-2013

IEEE-P1636.2
SIMICA: MAI
Revision of IEEE-1636.2-2010

Submitted to RevCom

IEEE-1671 Family
ATML

Cyber Security Recommended Practice for ATE

Study Groups (For the potential Revision to a Standard)
Valid until October 24, 2018

IEEE-448.1-2003	IEEE-1505.3-2015
IEEE-448.2-1992	IEEE-1546-2000 (R2011)
IEEE-716-1995 (R2011)	IEEE-1636.99-2013
IEEE-771-1998 (R2009)	IEEE-1641.1-2013
IEEE-1155-1992	IEEE-1671-2010
IEEE-1174-2000	IEEE-1671.2-2012
IEEE-1232-2010	IEEE-1671.4-2014
IEEE-1232.3-2014	IEEE-1671.5-2015
IEEE-1445-2016	IEEE-1671.6-2015
IEEE-1505-2010	IEEE-1871.1-2014
	IEEE-1871.2-2017
IEEE-1671.3-2017	IEEE-1671.1-2017

Published IEEE Standards (Maintained By SCC20)

IEEE-1641.1a-2018

To-Be Published IEEE Standards (Developed By SCC20)

SCC20 Standards Tracking

Type	Publication	Project	PAR by	PAR Approval Date	PAR Expiration Date	Valid Standard Until	IEC Adoption	Notes
Standard	488.1-2003	—		—	—	3/19/2019	IEC 60488-1 First Edition 2004-07	Expect PAR by 18-2 Meeting Or it will be Administratively Withdrawn December 2018.
Standard	488.2-1992	—		—	—	6/17/2020	IEC 60488-2 First Edition 2004-05	Expect PAR by 18-2 Meeting Or it will be Administratively Withdrawn December 2018.
Standard	716-1995(R2011)	—		—	—	12/31/2021	IEC 61926-1 Ed. 1.0	Will be Administratively Withdrawn December 2021.
Users Guide	771-1998(R2009)	—		—	—	12/9/2019		Will be Administratively Withdrawn December 2019.
Standard	1155-1992	—		—	—	12/31/2018	—	Will be Administratively Withdrawn December 2018.
Standard	1174-2000	—		—	—	3/19/2019	—	Will be Administratively Withdrawn December 2018.
Standard	1232-2010	—	2016	—	—	12/8/2020	IEC 62243 Ed. 2.0	
Users Guide	1232.3-2014	—	2020	—	—	12/31/2024		
Standard	1445-2016	—	—	—	—	12/8/2026	IEC 61445 Ed 1.0	IEEE Published February 2017
Standard	1505-2010	—	2016	—	—	9/30/2020	IEC 63004 Ed 1.0	PAR To keep the Standard Active in process
Standard	1505.1-2008	P1505.1	—	December 5, 2015	December 31, 2019	12/31/2018	IEC 63003 Ed 1.0	Submitted to MEC 4/24
Standard	1505.3-2015	—	2021	—	—	12/31/2025		
Users Guide	1546-2000(R2011)	—		—	—	12/31/2021		Will be Administratively Withdrawn December 2018.
Standard	1636-2009	P1636	—	December 5, 2015	December 31, 2019	12/31/2019	IEC 61636 Ed. 1.0	RevCom in May 2018
Standard	1636.1-2013	P1636.1		December 7, 2016	December 31, 2020	12/31/2023	IEC 61636-1 Ed. 1.0	RevCom in May 2018
Standard	1636.2-2010	P1636.2	—	August 23, 2013	December 31, 2018	12/31/2020		RevCom in May 2018
Standard	1636.99-2013	—		—	—	12/31/2023	IEC 61636-99 Ed. 1.0	
Standard	1641-2010	P1641		December 7, 2016	December 31, 2020	6/17/2020	IEC 62529 Ed. 2.0	
Users Guide	1641.1-2013	—	2019	—	—	12/31/2023		
Amendment	—	P1641.1a	—	—	—	—		Approved for publication March 2018
Standard	1671-2010	—	2016	—	—	9/30/2020	IEC 61671 Ed 1.0	Expect PAR at 18-2 meeting
Standard	1671.1-2017	—	2023	—	—	12/31/2027		Published March 19, 2018
Standard	1671.2-2012	—	2018	—	—	12/31/2022	IEC 61671-2 Ed 1.0	Expect PAR at 18-2 meeting
Standard	1671.3-2017	—	2023	—	—	12/31/2027		Published April 13, 2018
Standard	1671.4-2014	—	2020	—	—	12/31/2024	IEC 61671-4 Ed 1.0	Expect PAR at 18-2 meeting
Standard	1671.5-2015	—	2021	—	—	12/31/2025	IEC 61671-5 Ed 1.0	
Standard	1671.6-2015	—	2021	—	—	12/31/2025	IEC 61671-6 Ed 1.0	
Recommended Practice	1871.1-2014	—	2020	—	—	12/31/2024		Expect PAR at 18-2 meeting
Recommended Practice	1871.2-2017	—	2023	—	—	12/31/2027		Published March 14, 2018
	As of 4/24/2018		Discuss	In Publication	PAR due to expire in 2018	In ballot	IEC TC91 WG 15	Design Automation: Testing of Electro technical Products
							IEC TC65C	Industrial Networks

SCC20 Activity since the 17-2 Meeting

- SCC20 Financial Report
  - Submitted in January
- SCC20 Annual Report
  - Created and Submitted to the Standards Board in February
    - Report was approved on March 8
- SCC20 Chair
  - I was reappointed by the Standards Board for 2018

SCC20 Activity since the 17-2 Meeting

- IEEE-1871.2-2017 Intrinsic Path Recommended Practice
  - Published in March 2018
- IEEE-1671.1-2017 ATML Test Description
  - Published in March 2018

IEEE

IEEE STANDARDS ASSOCIATION

IEEE-SA **Newswire**

A monthly update on standards and related solutions.

FEATURED STANDARD

IEEE 1671.1™ -2017, Standard for Automatic Test Markup Language (ATML) Test Descriptions

This standard defines an exchange format, utilizing eXtensible Markup Language (XML), for specifying test performance, test conditions, diagnostic requirements, and support equipment to locate, align, and verify the proper operation of a Unit Under Test (UUT). This is in support of the life cycle of Test Program Sets (TPSs) that will be used in an automatic test environment.

SCC20 Activity since the 17-2 Meeting

- IEEE-1671.3-2017 ATML UUT Description
  - Published in April 2018
- IEEE-1641.1a-2018 was approved for publication
  - In March 2018
- P1636, P1636.1, P1636.2 (SIMICA Family of Standards)
  - Are being prepared for submission to RevCom

SCC20 Activity since the 17-2 Meeting

- Collaboration with IEC TC91 WG 15
  - Next WG 15 meeting is in June, in Fremont California

- For disclosure: I am one of the Technical Program Co-Chairs for IEEE Autotestcon 2018

SCC20 Activity since the 17-2 Meeting

- Cyber Security
  - There has been a great deal of interest expressed (and offers to assist) in developing a Recommended Practice for ATE
  - DoD already has several policies in place
  - NIST has already published several publications
    - Referenced in DoD Documents such as DoDI 8500.01: Cybersecurity

3. POLICY. It is DoD policy that:

a. Risk Management

(1) DoD will implement a multi-tiered cybersecurity risk management process to protect U.S. interests, DoD operational capabilities, and DoD individuals, organizations, and assets from the DoD Information Enterprise level, through the DoD Component level, down to the IS level as described in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-39 (Reference (o)) and Committee on National Security Systems (CNSS) Policy (CNSSP) 22 (Reference (p)).

  - IEEE has already published or has in work, several activities
    - See Next Slide

SCC20 Activity since the 17-2 Meeting

PAR Number ▲	Project Type	Status	PAR Expiration	Year	PAR Approval	Committee	Title
P1451.0	Revision	Active	31-Dec-21		6-Dec-17	IM/ST/CFAT/1451.0	Standard for a Smart Transducer Interface for Sensors, Actuators, Devices, and Systems - Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats
1686	New	Superseded	31-Dec-09		10-Nov-05	PE/PSCC/S1-WG_1686/1686	Standard for Substation Intelligent Electronic Devices (IED) Cyber Security Standards
1686	Modify New	Superseded	31-Dec-09	2007	27-Sep-07	PE/PSCC/S1-WG_1686/1686	Standard for Substation Intelligent Electronic Devices (IED) Cyber Security Capabilities
1686	Revision	Completed	31-Dec-15	2013	10-Sep-11	PE/PSCC/S1-WG_1686/1686	Standard for Intelligent Electronic Devices (IEDs) Cyber Security Capabilities
P1686	Revision	Active	31-Dec-21		6-Dec-17	PE/PSCC/S1-WG_1686/1686	Standard for Intelligent Electronic Devices Cyber Security Capabilities
1689	New	Withdrawn PAR	31-Dec-10		30-Mar-06	PE/SUB/WGC4	Trial Use Standard for Cyber Security of Serial SCADA Links and IED Remote Access
1711	Modify New	Withdrawn Standard	31-Dec-11	2010	30-Sep-10	PE/PSCC/S0/WG1711/1711	Trial Use Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links
1711	New	Superseded	31-Dec-11		27-Feb-07	PE/PSCC/S0/WG1711/1711	Trial Use Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links
1711	Revision	Superseded	31-Dec-17		10-May-13	PE/PSCC/S0/WG1711/1711	Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links
P1711	Modify Revision	Active	31-Dec-18		23-Mar-17	PE/PSCC/S0/WG1711/1711	Standard for a Cryptographic Protocol for EPS Serial Links
P1711.1	New	Active	31-Dec-21		23-Mar-17	PE/PSCC/S0/WG1711/1711.1	Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links: Substation Serial Protection Protocol
P1711.2	New	Active	31-Dec-18		14-Jun-13	PE/PSCC/S0/1711.2	Standard for Secure SCADA Communications Protocol (SSCP)
1815	New	Superseded	31-Dec-13		9-Dec-09	PE/T&D/Dist-1815_WG	Standard for Electric Power Systems Communications - Distributed Network Protocol (DNP3)
1815	Modify New	Superseded	31-Dec-13	2010	17-Jun-10	PE/PSCC/P0_1815 WG/1815	Standard for Electric Power Systems Communications - Distributed Network Protocol (DNP3)
1815	Revision	Superseded	31-Dec-15		2-Feb-11	PE/PSCC/P0_1815 WG/1815	Standard for Electric Power Systems Communications - Distributed Network Protocol (DNP3)
1815	Modify Revision	Completed	31-Dec-15	2012	6-Feb-12	PE/PSCC/P0_1815 WG/1815	Standard for Electric Power Systems Communications - Distributed Network Protocol (DNP3)
P1815	Revision	Active	31-Dec-19		11-Jun-15	PE/PSCC/P0_1815 WG/1815	Standard for Electric Power Systems Communications-Distributed Network Protocol (DNP3)
1815.1	Modify New	Superseded	31-Dec-15		29-Mar-12	PE/PSCC/P0_1815.1_WG/1815.1	Standard for Exchanging Information Between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol - DNP3)
1815.1	Modify New	Completed	31-Dec-15	2015	14-Jun-13	PE/PSCC/P0_1815.1_WG/1815.1	Standard for Exchanging Information Between Networks Implementing IEC 61850 and IEEE Std 1815 (Distributed Network Protocol - DNP3)
1815.1-2015/Cor 1	Corrigendum	Completed	31-Dec-20	2016	30-Jun-16	PE/PSCC/P0_1815.1_WG/1815.1-2015/Cor 1	Standard for Exchanging Information between Networks Implementing IEC 61850 and IEEE Std 1815(TM) (Distributed Network Protocol - DNP3) - Corrigendum 1
P2030.100.1	New	Active	31-Dec-22		8-Mar-18	PE/PSRCC/P2030.100.1_WGH-44/2030.100.1	Monitoring and Diagnostics of IEC 61850 Generic Object Oriented Status Event (GOOSE) and Sampled Values Based Systems
2030.102.1	New	Superseded	31-Dec-17		10-May-13	PE/PSCC/S0/P2030.102.1/2030.102.1	Standard for Interoperability of Internet Protocol Security (IPsec) Utilized within Utility Control Systems
P2558	New	Active	31-Dec-21		6-Dec-17	COM/EdgeCloud-SC/Ambient Objects/2558	Standard for Ambient Objects
P2658	New	Active	31-Dec-22		8-Mar-18	PE/PSCC/S8/2658	Guide for Cybersecurity Testing in Electric Power Systems
P2660.1	New	Active	31-Dec-19		26-Oct-15	IES/IES/IA Software Agents/2660.1	Recommended Practices on Industrial Agents: Integration of Software Agents and Low Level Automation Functions
P2775	Modify New	Active	31-Dec-21		8-Mar-18	PE/ED&PG/SmartHydro_WGP2775/2775	Technical Guide for Smart Hydroelectric Power Plant
C37.240	New	Completed	31-Dec-14	2014	8-Dec-10	PE/PSCC/S0/C37.240_WG/C37.240	Standard for Cyber Security Requirements for Substation Automation, Protection and Control Systems
PC37.240	Revision	Active	31-Dec-21		6-Dec-17	PE/PSCC/S0/C37.240_WG/C37.240	Standard Cybersecurity Requirements for Power System Automation, Protection and Control Systems

SCC20 Activity since the 17-2 Meeting

- FLOSS
  - There has been no interest in developing a Recommended Practice for ATE
  - IEEE has no activity in work

SASB Meeting Deadlines & Schedules 2018

Deadline for Submission	Meeting
December 20, 2017	January 30: NesCom/RevCom telecon
January 26, 2018	March 6-8: Tokyo Japan
March 16, 2018	April 26: NesCom/RevCom telecon
May 4, 2018	June 13-15: Amsterdam Netherlands
July 27, 2018	September 6: NesCom/RevCom telecon
	September 27: SASB telecon
October 15, 2018	December 3-5: Piscataway NJ

Upcoming 2018 SCC20 Meetings

Proposed Upcoming SCC20 Meeting

- **SCC20 18-2**
  - **Location:** The Gaylord National Convention Center, National Harbor, MD
  - **When:** September 15-16
  - **Who**: Active SCC20 working groups all day Saturday and Sunday afternoon
    - SCC20 “Steering” on Sunday, 10:00-Noon

Note: 2018 deadline for submittals is October 15

IEEE Autotestcon is September 17-20

Questions?

NDIA ATC Liaison report for SCC20 18-1 Steering Committee and Minutes

NDIA Liaison Officer: Les Orlidge

Report:

The Automatic Test Committee (ATC) of the National Defense Industrial Association (NDIA) held its Spring 2018 meeting April 17 at NDIA HQ located at 2101 Wilson Blvd, Arlington, VA.

April meeting highlights included:

- Change in NDIA ATC Leadership as follows:
  1. Pat Griffin (pat.griffin@astronics.com) succeeds Les Orlidge as NDIA ATC Chair
  2. Mike Dewey (MikeD@MarvinTest.com) succeeds Pat Griffin as Co-Chair Projects

- Liaison reports covering status of and news related to the following automatic test related organizations:
  - DoD/ATS Mgmt. Board (AMB) - Bill Ross (Eagle Systems)
  - US Army (TMDE) - Scott Brown (Boeing)
  - US Marine Corps (Ground) - Lou Salzano (Astronics)
  - US Navy/Marine Corps (Air) - Kevin Walters (LM - for Rick Freeman)
  - US Air Force - Randy Farwell (West-Test) / Jimmy Bailey (USAF)
  - Commercial Test Industry - Christer Ijungdahl (NI)

- Pat Griffin and Mike Dewey discussed status and plans for new projects:
  - NDIA Systems Engineering Division management approved: "Incorporating User Programmable FPGA Designs into ATS Applications – Recommendations and Guidelines"
  - The ATC will revisit the former Software Architecture for Synthetic Instrumentation project, investigating the need at the ATS Framework level (e.g. "Plug 'n Play" at ATE Interface level)
  - The ATC will investigate pursuit of a study relating to Cyber Assurance issues at the ATE / Instrument interface (e.g. Cyber assurance guidelines for an instrument returning from off-system calibration, maintenance, etc.)

The next full committee meeting will be held in conjunction with AUTOTESTCON at 1pm on Sunday, 16 September at the Gaylord Convention Center in National Harbor, Maryland. The meeting agenda and registration information will be posted at a future date on the NDIA Meetings and Events website at http://www.ndia.org/events?PageNumber=1&IsPastEventLoading=False&Division=8fb21645-4011-4629-958d-ef0f2305b679&Chapter=&Affiliate=&Topic=&Cate=&FromDate=&ToDate=&Zipcode=&Keyword=

DoD Liaison Report to the SCC20

Bill Ross
Representing DoD ATS ED
April 2017

DoD ATS Executive Directorate -- AMB

DoD ATS

- CAPT Tom Dall replaced CAPT Brian Jacobs as Commander of NAVAIR PMA260 and as the DoD ATS ED
- Ken Watson is the new Secretary of Defense for Maintenance, Policy, and Programs
  - DoD ATS ED Lead
  - Keynote Speaker at AutoTestCon 2018
- Last DoD ATS Management Board (AMB) meeting was conducted 11 April
  - Reviewed each Service's current and future ATS plans
  - Each of the active Joint Service IPT Chairs summarized their Team's accomplishments and plans
  - Again, great deal of discussion on Cyber Security and anti-tamper
- The current version of the "DoD ATS Selection Process" lower the ATS non-proliferation decisions down to a Service level decision
  - Less AMB focus on ATS policy and greater focus on leveraging technology investments and sharing information

DoD ATS Executive Directorate -- AMB

DoD ATS

- Next DoD ATS Management Board (AMB) meeting scheduled for Monday afternoon of AUTOTESTCON 2018, National Harbor, MD
- The new DoD ATS Executive Directorate web site:
  - The former web address ~~http://www.acq.osd.mil/ats~~
  - New address http://www.acq.osd.mil/log/MPP/ats.html
    - Becoming more complete
    - Accessible to public

DoD ATS Executive Directorate – Other

DoD ATS

- Provided feedback in February concerning the synthetic instrument interface standards for sustainment task
  - NDIA has assigned leads to readdress this
- Received final report on **"Incorporating User Programmable Field Programmable Gate Array (FPGA) Designs into Automatic Test Systems (ATS) Applications: Recommendations and Guidelines"**
  - Great document – DoD has and will make use
- Still pondering cyber security challenges
  - Different methods of implementation by the Services
  - Question whether IEEE can define standards for DoD use
- Scheduling next ATS Industry Days ("Quartz Watch")
  - 16-18 October 2018, Arlington, VA
  - RFI notification forthcoming (NAVAIR Lakehurst contracts)

DoD ATS Framework IPT Initiatives

Current Framework Efforts

- **Continuing to advance Framework elements and standards, mainly via SBIRs**
  - **Automated Generation of Advanced Test Diagrams to Reduce Test Program Set Life-Cycle Cost**
    - ATML
  - **Advanced High Speed Bus Technologies for Units Under Test (UUT), Test and Evaluation**
    - ATML, Signal and Test Definition
  - **Automated Test Program Set Analysis for Maintenance Data Metrics Generation**
    - Recommended Practice for Describing Intrinsic Signal Path Information
  - **Open Architecture Tools to Describe ATE Capabilities**
    - ATML, Signal and Test Definition

Other Initiatives/Concerns

- **Continuing updates to ATS Framework elements and their associated standards**
  - **This will result in new ATS Executive Directorate notices for possible inclusion in current and future ATS**
  - **Considering adding IEEE standards to MIL-PRF-32070, TPS Acquisition**

- **AutoTestCon session to discuss TPS development for emerging systems**

Thank You.

Any Further Questions?

MOD Delegated representative report

My roll continues to provide input into the Standards, bringing Policy up to date by incorporating the standards, and producing best practice with respect to requirements that will enable Project Teams to be more informed when it comes to contracting for support and what is expected of them.

We are continuing to produce material to go into the Defence Logistic Framework (DLF) which provides project teams with the process map and best practice of what is required across the CADMID cycle. This includes reference and links to the SCC20 and standards and I have rewritten the policy to mandate the use of Def Stan 66-031 pt 8 and ATML in new projects. This is included in the Support Solutions Envelope and forms part of the ASG (Acquisition Support Guidance), which projects are required to use.

In promoting the standards and the SCC20, a ½ day ATS seminar was held at ABW on the 8th February 18. This was a success with attendees from various projects and presentations from Industry.

The event provided an insight on how ATS testing and the use of standards/ standardization reduces through life costs with respect to test program sustainment and improved use of test data in refining maintenance, testability and diagnostics, within an Open System Architecture. How obsolescence of the ATE and instrumentation may be mitigated using the standards and introduced some of the commercial toolsets currently available.

Presentation's included:

ATS Overview, Policy & Standards by Malcolm Brown (DE&S SCG-SptEng):

Open System Architecture – Standards and Runtime tools by Chris Gorringe (SPHEREA):

Implementation of IEEE Standards by Steve Kelly (DECA):

Proposed MOD Diagnostic Aide by Ben Matthews (SPHEREA):

Optimising Through Life Costs with ATS - an Industry perspective by Ian Tonge (SERCO):

ATS Affordability by David Park (Keysight Technologies):

This was then followed up with a presentation to Defence & Industry Support Chain Optimization Group (DISCOG) on the 23rd March. Part of Team Defence

The primary purpose of the DISCOG is to drive forward a joint MOD and Industry strategy, to embrace the vision of "providing more effective, agile and affordable support to Defence capabilities by working together as Team Defence"

The DISCOG works across the supply chain, incorporating the Defence Industry, MOD DE&S and MOD Front LIne Commands to ensure that best practice in Engineering Support and Supply Chain Management is employed in delivering Defence support solutions.

Presentation included overview of what the CATS4D had been doing the previous year, what was happening within the SCC20 and the standards and what was intended for the following year.

Again, a lot of good feedback and interest in what we were doing with the standards, particularly with respect to the diagnostic aide.

I have also produced a high level elearning course on ATS and standards. This is directed at Projects to give them an insight into what a ATS is, the standards and the benefits through life

Finally, there is an ATS and R&M seminar on the 26 – 27th September 2018 at MOD Abbey Wood. This is open to Industry, Project teams and Frontline commands. There will be various presentations and I am hoping to get one on the SCC20, the standards and implementation, along with best practice. I am also hoping that I can get industry to bring and demonstrate some of the equipment as well. There are usually between 120 and 150+ attendees.