

**IEEE SCC20 16-1 Meeting  
Committee (e.g.; Steering) Meeting  
Disneyland Hotel, Anaheim, CA – Congo Room, Adventure Tower  
9:00AM – Noon, Sunday September 11, 2016**

<u>Items</u>	<u>Category</u>	<u>Person</u>
1 <b>Call to Order</b>	Action	Mike Seavey

Mike Seavey called meeting to order at 9:03 AM

2 <b>Quorum Check</b>	Action	Teresa Lopes
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Working Group Chairs and Designated Representatives	
<i>SCC20 Chair</i>	Mike Seavey
<i>SCC20 Vice-Chair</i>	Chris Gorringer
<i>SCC20 Secretary/Treasurer</i>	Teresa Lopes
<i>P1445 Working Group Chair</i>	Mike Seavey
<i>P1505.1 Working Group Chair</i>	Rob Spinner
<i>P1514 Working Group Chair</i>	Steve Mann
<i>P1636 Working Group Chair</i>	John Sheppard
<i>P1636.2 Working Group Chair</i>	John Sheppard
<i>P1641a Working Group Chair</i>	Ion Neag
<i>P1671.1 Working Group Chair</i>	Anand Jain
<i>P1671.3 Working Group Chair</i>	Ion Neag
<i>P1871.1 Working Group Chair</i>	Chris Gorringer
<i>P1871.2 Working Group Chair</i>	Chris Gorringer
<i>AES Society Designated Representative</i>	Joe Stanco
<i>Computer Society Designated Representative</i>	John Sheppard
<i>I&amp;M Society Designated Representative</i>	Joe Stanco
<i>DoD Designated Representative</i>	Bill Ross
<i>MoD Designated Representative</i>	Malcolm Brown
<i>NDIA Designated Representative</i>	Les Orlidge

Committee Members: **Mike Seavey, Chris Gorringer, Teresa Lopes, John Sheppard, Joe Stanco, Bill Ross, Malcolm Brown, Les Orlidge, Rob Spinner, Steve Mann, Ion Neag, Anand Jain**

There are 9 members in attendance, which satisfies the requirement for a quorum of 6 (quorum is 50% and there are currently 12 members)

2.1            Introductions/Attendance Sheets	Information	Mike Seavey
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3            **Agenda**

3.1            Accept Agenda	Action	Mike Seavey
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Review of agenda.

4            **Old Business**

4.1            Review/Accept Minutes from
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Meeting from previous meeting accepted as posted.

**Note:** Secretary is responsible only for committee and steering minutes. Working group minutes are the responsibility of the working group. For this meeting, send minutes to Teresa (the website is under construction).

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**Chair's Report**

Information

Mike Seavey

See [SCC20 16-2 Chairs Report](#)

IEEE asked to interview Mike on CyberSecurity. After seeing the questions, Mike declined.

Bill Ross: DoD has a cross-service IPT on CyberSecurity that might be able to accommodate the IEEE request for an interview on CyberSecurity.

John Sheppard: Having a small group be responsible for all the standards is fine, but then what is the role of steering.

Without any active PARs, Steering would be just the 3 offices and the designated representatives. That group could meet electronically to address issue as they arise.

Ion Neag: Suggestion for additional: looking at uniformity in how people are translating ATLAS to something else. Supporting distributed diagnostics has gotten pushback because of CyberSecurity – Help identify what can be done.

Mike Seavey: E-mail received from METECS about P1877 indicating that they are willing to pick up the effort that was initially started. PAR was removed 2 years ago, but there may be interest from NASA again.

Do we continue to meet in conjunction with AUTOTESTCON?

- A lot of years, it's tricky/difficult to get a room
- Easier to justify attendance at AUTOTESTCON because also attending SCC20
- Share room with NDIA since they are already paying for a room
- We'd like to avoid having a budget
- Might be difficult to get attendance at the meeting if we have to start charging to attend the meeting

Supporting the standards

- 30 standards seem like for a group of our size
- Do we have a view of how many we should be handling?
  - 25 of the existing 30 will be marked complete
  - Could then add 5-10 new ones

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**iMeet**

Information

Christy Bahn

Web-based collaboration group offered by IEEE for working groups

Lots of working groups do use it.

Has version control for files, so would be beneficial for tracking schema changes.

IEEE bought a license for iMeet.

Christy will setup access to the SCC20 area for members.

Christy will create iMeet projects for 1671.1 and 1671.3

7

**Working Group Reports**

7.1

P1445

Information

Mike Seavey

See Chairs report for status

7.2

P1636 &amp; P1636.2

Information

John Sheppard

Being worked on simultaneously. Incorporating SIMICA-Common into the base document.

Have finished creating an OWL ontology that they believe is consistent with the XML. Have gone through several validation steps. Haven't sent any data through. Very simple mappings between OWL and XML.

In the body of the document there will be entity by entity descriptions. There will be a single reference to the download site with both the XML and OWL schemas. This should greatly streamline the document.

MAI is being organized the same way.

For both documents, just need to finish the documentation. Hoping that in the next few weeks the documentation will be complete. Timeline is more critical for MAI because the PAR expires at the end of 2017.

While discussing these two documents, we discussed pulling a PAR for 1636.1 so that we could create the OWL ontology for .1 and then sunset .99. Only changes in .1 would be the addition of the OWL model.

All 3 standards would be balloted simultaneously.

7.3	P1671.1	Information	Anand Jain
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Have a document that is almost ready for MEC. A few remaining comments to address – will be addressed this afternoon.

Working group approved moving forward with the ballot process.

Want to ballot .1 and .3 at the same time. PARs for both expire at the end of 2016. Will submit extension PAR which indicates that both will be in ballot by October

7.4	P1671.3	Information	Ion Neag
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Latest schemas published to box.net about a month ago. Several comments received that have been addressed. Will need to regenerate the schema documentation and add an additional clause.

Working group approved moving forward with the ballot process.

8	<b>Liaison Reports</b>		
8.1	Aerospace Electronic Systems Society	Information	Joe Stanco

Nothing to report

8.2	Instrumentation and Measurement Society	Information	Joe Stanco
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Nothing to report

8.3	Computer Society	Information	John Sheppard
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Nothing to report

8.4	National Defense Industrial Association	Information	Les Orlidge
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NDIA meeting takes place this afternoon.

Looking at new projects: CyberSecurity, FPGAs

8.5	U.S. DoD	Information	Bill Ross
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Not much to report. Budget challenges.

Executive plenary session focusing on Test Program Sets. Mike M will discuss what standards are being used. Standards are being used.

eCASS feedback – TestResults generates a lot of data – quite large.

Need to understand what is being stored, how it is going to be used, etc. Classic Big Data questions.

We can provide recommendations.

Challenge to DoD working group to bring feedback back to the standards groups.

How do you get the Primes to provide the feedback once the project is done?

We only hear the negatives. It would be good to hear the positives. Any feedback (good and bad) would be very useful.

8.6	U.K. MoD	Information	Malcolm Brown
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Major transformation underway.

Putting together best practices and standards that would be used when putting out contracts.

DECA has been using the open systems architecture standards to test an LRU. Presentation at Sealand and LMC to demonstrate transportability. Open invitation to demonstration and meetings. Will also include a discussion of Smart TPS

Are the IEC or IEEE standard numbers being called out?

They prefer the IEC numbers, but at the present time they call out the IEEE numbers (not an issue because many of the standards are dual-logo)

Are 1505 and 1501 standards included? They are mentioned as being available, but are not required.

9	<b>New Business</b>		
9.1	PARs/PAR Extensions	Information	Mike Seavey
9.2	Standards to Sponsor Ballot	Action	Mike Seavey

Working groups proposing that 1671.1 and 1671.3 proceed to ballot.

Anand Jain motions that the sponsor ballot for 1671.1 get initiated. Ion Neag seconds.

Motion passes.

Ion Neag motions that the sponsor ballot for 1671.3 get initiated. Anand Jain seconds.

Motion passes.

Existing PARs for 1671.1 and 1671.3 expire at the end of 2016. Since they are just entering MEC, there's no way they can finish by the end of the year.

Chris Gorringer motions that we extend the PARs on 1671.1 and 1671.3 with a notice to the IEEE that these have entered sponsor ballot. Malcolm Brown seconds.

Motion passes.

Chris Gorringer motions that we submit a PAR for 1641 to be completed by 2020. John Sheppard asks if we have a PAR to review. Seeing as there is a PAR to review, John agrees that we can proceed with the motion.

Les Orlidge seconds.

Discussion: Scope and purpose of the PAR are unchanged. John asked of the IEC Technical Committee name was correct – Chris will double check. PAR form seems to be asking for the Technical Committee, not the working group.

Motion passes.

John Sheppard motions that we initiate a PAR for a revision of 1636.1. Les Orlidge seconds.

Discussion: Want to keep 1636, 1636.1 and 1636.2 aligned. The amount of work needed for 1636.1 is small (OWL ontology and replacing .99 with schema from base document). Only change is in the scope. Adding OWL and removing reference deprecated standard. Removed purpose since no longer required. Should be done within the year. Anand concerned that since we are putting the standard out for ballot we could get requests for changes. Makes it hard for people to adopt the standard if we continue making changes. Creation of a difference document will help identify what changes. John Sheppard motions to close debate on the question. Les Orlidge seconds. 5 for, 2 against, 3 abstain. Motion passes.

7 for, 0, against, 2 abstain. Motion passes.

9.3	Nomination of Chair for 2017	Action	Mike Seavey
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One self-nomination for Chair: Mike Seavey

9.4	Election of Vice Chair for 2017	Action	Mike Seavey
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One self-nomination for Vice-Chair: Chris Gorringer

9.5	Election of Secretary/Treasurer for 2017	Action	Mike Seavey
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One self-nomination for Secretary/Treasurer: Teresa Lopes

No objections to electing the 3 individuals who self-nominated.

A couple of options to consider in May:

- Teradyne before or after the Teradyne TIM
- Austin before or after NIWeek

We could couple with and potentially get some increased participation.

Fall meeting in conjunction with AUTOTESTCON.

John Sheppard offered to host in Boseman in May 2018

Meeting adjourned at 11:39 AM

# Chairs Report



# SCC20's 50<sup>th</sup> Anniversary

## 1966-2016



**IEEE STANDARDS ASSOCIATION**

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standards.ieee.org only

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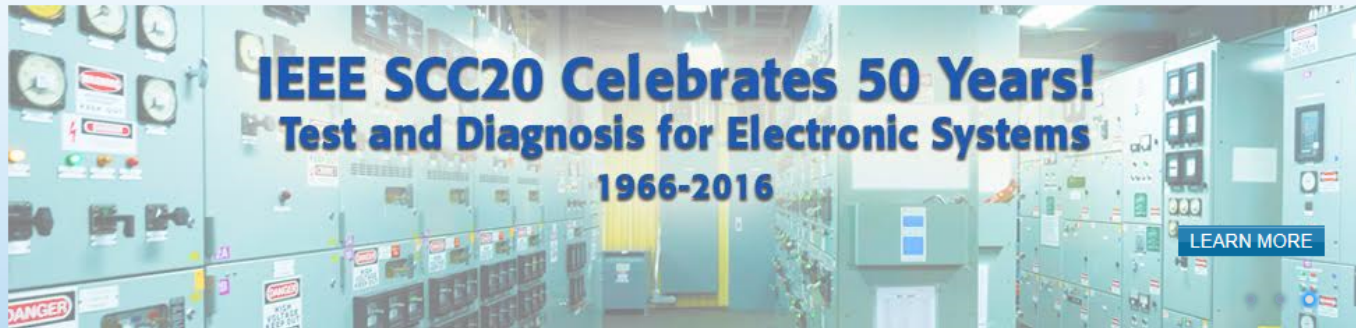
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# SCC20 Organization



<b>IEEE-P1445</b> DTIF <i>Revision of IEEE-1445-1998 (R2010)</i>	<b>IEEE-P1636</b> SIMICA <i>Revision of IEEE-1636-2009</i>	<b>IEEE-P1671.1</b> ATML: Test Description <i>Revision of IEEE-1671.1-2009</i>
<b>WG Chair:</b> Mike Seavey	<b>WG Chair:</b> John Sheppard	<b>WG Chair:</b> Anand Jain
<b>IEEE-P1505.1</b> Common Test Interface Pin Map Configuration <i>Revision of IEEE-1505.1-2008</i>	<b>IEEE-P1636.2</b> SIMICA: MAI <i>Revision of IEEE-1636.2-2010</i>	<b>IEEE-P1671.3</b> ATML: UUT Description <i>Revision of IEEE-1671.3-2007</i>
<b>WG Chair:</b> Rob Spinner	<b>WG Chair:</b> John Sheppard	<b>WG Chair:</b> Ion Naeg
<b>IEEE-P1514</b> Fixtures Applied to Generic Test Interfaces <i>New Recommended Practice</i>	<b>IEEE-P1641.1a</b> Amendment to IEEE-1641.1 <i>New Amendment</i>	<b>IEEE-P1871.2</b> Intrinsic Signal Path Information <i>New Recommended Practice</i>
<b>WG Chair:</b> Steve Mann	<b>WG Chair:</b> Ion Naeg	<b>WG Chair:</b> Chris Gorringer

Active Working Groups (Revision to a Published Standard or Development of the Initial Standard)

IEEE-448.1-2003	IEEE-1636.1-2013
IEEE-448.2-1992	IEEE-1636.99-2013
IEEE-716-1995 (R2011)	IEEE-1641-2010
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-1505-2010	IEEE-1671.6-2015
IEEE-1505.3-2015	IEEE-1871.1-2014
IEEE-1546-2000 (R2011)	

Published IEEE Standards (Maintained By SCC20)



# SCC20 Standards Tracking

Publication	Project	PAR by	PAR Approval Date	PAR Expiration Date	Valid Standard Until	IEC Adoption	Notes
488.1-2003	—	2015	—	—	3/19/2019	IEC 60488-1 First Edition 2004-07	
488.2-1992	—	2016	—	—	6/17/2020	IEC 60488-2 First Edition 2004-05	
716-1995(R2011)	—	2017	—	—	12/31/2021	IEC 61926-1 Ed. 1.0	
771-1998(R2009)	—	2015	—	—	12/9/2019		
1155-1992	—	2014	—	—	12/31/2018	—	
1174-2000	—	2015	—	—	3/19/2019	—	
1232-2010	—	2016	—	—	12/8/2020	IEC 62243 Ed. 2.0	
1232.3-2014	—	2020	—	—	12/31/2024		
1445-1998(R2010)	P1445	—	September 3, 2015	December 31, 2019	12/8/2019	IEC 61445 Ed 1.0	Ballot Closed 8/27, will be recirculated
1505-2010	—	2016	—	—	9/30/2020	IEC 63004 Ed 1.0	
1505.1-2008	P1505.1	—	December 5, 2015	December 31, 2019	12/31/2018	IEC 63003 Ed 1.0	
1505.3-2015	—	2021	—	—	12/31/2025		
—	P1514	—	December 10, 2014	December 31, 2018	—		
1546-2000(R2011)	—	2017	—	—	12/31/2021		
1636-2009	P1636	—	December 5, 2015	December 31, 2019	12/31/2019		
1636.1-2013	—	2019	—	—	12/31/2023		
1636.2-2010	P1636.2	—	August 23, 2013	December 31, 2017	12/31/2020		
1636.99-2013	—	2019	—	—	12/31/2023		
1641-2010	—	2016	—	—	6/17/2020	IEC 62529 Ed. 2.0	
1641.1-2013	—	2019	—	—	12/31/2023		
—	P1641.1a	—	December 11, 2013	December 31, 2017	—		
1671-2010	—	2016	—	—	9/30/2020	IEC 61671 Ed 1.0	
1671.1-2009	P1671.1	—	June 17, 2010	December 31, 2016	12/31/2019		Ballot process to start, 2nd PAR extension request
1671.2-2012	—	2018	—	—	12/31/2022	IEC 61671-2 Ed 1.0	
1671.3-2007	P1671.3	—	June 17, 2010	December 31, 2016	12/31/2018		Ballot process to start, 2nd PAR extension request
1671.4-2014	—	2020	—	—	12/31/2024	IEC 61671-4 Ed 1.0	
1671.5-2015	—	2021	—	—	12/31/2025	IEC 61671-5 Ed 1.0	
1671.6-2015	—	2021	—	—	12/31/2025	IEC 61671-6 Ed 1.0	
1871.1-2014	—	—	—	—	12/31/2024		
—	P1871.2	—	June 16, 2011	December 31, 2017	—		Ballot started 9/6, closes 10/17
As of 9/6/2016		Discuss	In Publication	PAR due to expire	In ballot	IEC TC91 WG 15	Design Automation: Testing of Electrotechnical Products
		Std. inactive before the PAR expires				IEC TC65C	Industrial Networks

# SASB Meeting Deadlines & Schedules

Deadline for Submission	Meeting
December 9, 2015 ✓	January 19: NesCom/RevCom telecon ✓
January 22, 2016 ✓	March 1-3: New Delhi India ✓
March 22, 2016 ✓	May 2: NesCom/RevCom telecon ✓
May 20, 2016 ✓	June 28-30: Berlin Germany ✓
August 5, 2016 ✓	September 16: NesCom/RevCom telecon
	September 22: SASB telecon
October 17, 2016	December 5-7: Piscataway NJ
December 20, 2016	January 30: NesCom/RevCom telecon
February 10, 2017	March 21-23: Shenzhen China
March 24, 2017	May 4: NesCom/RevCom telecon
May 5, 2017	June 13-15: Milan Italy
July 28, 2017	September 7: NesCom/RevCom telecon
	September 28: SASB telecon
October 16, 2017	December 4-6: Piscataway NJ

# Ballot Activities

- **P1445 (DTIF)**
  - Revision of IEEE Std 1445-1998 (R2011)
    - PAR approved on September 3, 2015
    - PAR expiration date = December 31, 2019
  - Submitted Draft 10 of the document to MEC June 10, 2016
  - MEC report received June 14; MEC comments incorporated in Draft 11
  - Ballot invitation started June 24; closed July 24
    - 26 eligible people are in the balloting group
  - Sponsor Ballot started July 28; closed August 27 (public review Sept 27)
    - 92% Responded (75% required); 24 Votes Received
    - 12% Abstention (2 LOT, 1 LOE)
    - 95% Approved (75% required); 20 Affirmative Votes
    - 1 Negative Vote w/comments
    - A total of 10 Comments were Received; 5 were 'Must be Satisfied'
      - All 10 comments have been addressed, Draft 12 will be recirculated.

# Ballot Activities

- P1871.2 (Intrinsic Path)
  - New Recommended Practice
    - PAR approved on June 16, 2011
    - Received 2 year PAR extension
    - PAR expiration date = December 31, 2017
  - Submitted Draft 16 of the document to MEC June 13, 2016
  - MEC report received July 31; MEC comments incorporated in Draft 18
  - Ballot invitation started August 1; closed August 31
    - 19 eligible people are in the balloting group
  - Sponsor Ballot started September 6; closes October 17 (public review 11/16)
    - Due to Autotestcon, ballot period was extended beyond 30 days

# Active, Inactive, & Withdrawn Standards

- There are 4 states a standard can be in after publication:
  1. **Active** means that the standard is actively being maintained by a sponsor (being reviewed or assessed for accuracy, relevance to current practices, or further applications). These standards are used at no risk to the purchaser.
  2. **Inactive** means that the standard is no longer being maintained by a sponsor. These standards are used at the purchaser's risk. The standard may return to the active state at some time in the future. There are two inactive states:
    1. Inactive-withdrawn
    2. Inactive-superseded
  3. **Withdrawn** means the standard is no longer being maintained by a sponsor. These standards are used at the purchaser's risk. There is no plan for the standard to ever return to the active state.

*IEEE active, inactive and withdrawn standards can all be purchased from the IEEE Standards Store.*

# Active Standards

- All active IEEE standards are subject to periodic review for revision within ten years of IEEE-SA Standards Board approval or they will automatically transfer to inactive status.
  - To keep a standard active, a Sponsor Ballot must be run.
    - All of the WG efforts, Sponsor Ballot in myProject, and approval by the Standards Board, must be completed before the 10 years period ends.
      - Editing of the previously published standard is not required if there are no changes.
  - To transfer a standard to either the inactive-withdrawn or withdrawn state before the 10 year period ends, a Sponsor Ballot must be run.
  - If after 10 years no Sponsor Ballot has been run, the standard will be transferred administratively to the inactive-withdrawn state by the IEEE-SA.

# Inactive Standards

- **Inactive-withdrawn** means the standard has been removed from active status through a Sponsor Ballot (or administratively by the IEEE-SA). The balloting group made a consensus vote decision to move the standard to the inactive-withdrawn state.
- **Inactive-superseded** means the standard has either been replaced with a revised version of the standard, or by a compilation of the original standard with all of its amendments, corrigenda and errata.

IEEE Std 716-1989 and IEEE Std 1232-2002  
are examples of inactive-superseded standards.

# Withdrawn Standards

- **Withdrawn** means the standard has been removed from active status through a Sponsor Ballot . The balloting group made a consensus vote decision to move the standard to the withdrawn state.

IEEE Std 416 is an example of a withdrawn standard.



# So, why have I provided this information on active, inactive and withdrawn?

- The 30 standards we are developing & maintaining are all active.
- Inactive standards can be included as a contractual requirement.
  - I am investigating IEC support of inactive IEEE standards
- Inactive & Withdrawn Standards are available for purchase (IEEE)
- We do not have the resources available, or interested in, doing the work associated with keeping all SCC20 standards active.
- The diminishing participation over the last several years is a reflection of
  - The standard they were interested in “is” done (e.g.; initially published)
  - The standard(s) are not being asked for (by end users)
  - The standard(s) are too complex for many ATE industry users
  - There is however, interest in some standards we no longer support
  - We are not doing anything “new”, we revise existing standards.
  - There are other issues..
- I do not wish to meet for the sake of meeting.
  - Working group meetings with less than 10 people is perceived to be a lack of interest/no need for the standard.

# So, why have I provided this information on active, inactive and withdrawn?

- Comments on Standards
  - Each Standard we are developing and maintaining contains the following words in the front material of the standard:

## Comments on standards

Comments for revision of IEEE Standards documents are welcome from any interested party, regardless of membership affiliation with IEEE. However, IEEE does not provide consulting information or advice pertaining to IEEE Standards documents. Suggestions for changes in documents should be in the form of a proposed change of text, together with appropriate supporting comments. Since IEEE standards represent a consensus of concerned interests, it is important that any responses to comments and questions also receive the concurrence of a balance of interests. For this reason, IEEE and the members of its societies and Standards Coordinating Committees are not able to provide an instant response to comments or questions except in those cases where the matter has previously been addressed. For the same reason, IEEE does not respond to interpretation requests. Any person who would like to participate in revisions to an IEEE standard is welcome to join the relevant IEEE working group.

Comments on standards should be submitted to the following address:

Secretary, IEEE-SA Standards Board  
445 Hoes Lane  
Piscataway, NJ 08854 USA

- Therefore, my thoughts on the future of SCC20 is.....

# My Thoughts on the Future of SCC20..

- SCC20 officials oversee the 30 + standards developed, determine maintenance actions.
  - Chair, Vice Chair, Secretary/Treasurer
- We “finish” 25 of the 30 standards. These would be considered ‘Done’ unless comments are received and the SCC20 officials decide to address the work.
  - The following slides will address these.
- We start working on new standards. Making Calls for participation and move the committee forward.
  - The following slides will address these.

# My Idea of What's 'Done'

- **IEEE 1671 through 1671.6 (ATML)**
  - Each have been published once, and each has been (or is going through) a revision and being republished.
  - No comments have been received on the republished standards.
  - Once 1671.1 & 1671.3 are published, run all seven simultaneously through a ballot -- unedited. Resolve any ballot comments, publish, and
  - In 3-5 years ATML is done! and is active another 10 years
    - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc.at that time.
- **IEEE 1636, 1636.1, 1636.2, 1636.99 (SIMICA)**
  - Each have been published once, and 1636, 1636.1, 1636.2 have been (or are going through) a revision to be republished.
  - No comments have been received on any of the standards.
  - After 1636 and 1636.2 are republished, run 1636, 1636.1 & 1636.2 simultaneously through a ballot -- unedited. Ballot the withdraw of 1636.99 Resolve any ballot comments, publish, and
  - In 3-5 years SIMICA is done! and is active another 10 years
    - No further meetings unless comments are received. SCC20 officials then address initialing PARs, call for participation, etc.at that time.

# My Idea of What's 'Done'

- **IEEE 1505, 1505.1 and 1505.3 (RFI)**
  - 1505 has been published twice, 1505.1 is going through a revision, 1505.3 has been published once.
  - No comments have been received.
  - Once the 1505.1 revision is published...
  - In 2-3 years RFI is done!
    - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc.at that time.
- **IEEE 1641, 1641.1, & 1641.1a (STD)**
  - 1641 has been published twice, 1641.1 has been published once, the amendment is in process.
  - No comments have been received.
  - After the amendment is published, incorporate it into 1636.1 and run 1641 & 1641.1 simultaneously through a ballot. Resolve any ballot comments, publish, and
  - In 3-5 years STD is done! and is active another 10 years
    - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc.at that time.

# My Idea of What's 'Done'

- **IEEE 1871.1 and 1871.2 (ATML Recommended Practices)**
  - 1871.1 has been published. 1871.2 is in the ballot process.
  - No comments have been received.
  - Once the 1871.2 is published...
  - In a year the ATML Recommended Practices are done!
  - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc.at that time.
- **IEEE 1445 & 1546 (DTIF)**
  - 1445 and 1546 have been published twice.
  - No comments have been received.
  - After the revision ballot of 1445 is published, run 1546 through a withdraw ballot, and
  - In a year DTIF is done!
    - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc.at that time.

# My Idea of What's 'Done'

- **IEEE 1232 and 1232.3 (AI-ESTATE)**
  - 1232 has been published several times. 1232.3 has been published once.
  - No comments have been received.
  - EXPRESS modeling is no longer supported by ISO
  - AI-ESTATE in its present form is done!
    - No further meetings unless comments are received. SCC20 officials can then address initialing PARs, call for participation, etc. at that time.
    - I suggest a new PAR for a new OWL & XML based standard for diagnostic reasoning and prognostics.
- **IEEE 716 and 771 (C/ATLAS)**
  - Both have been published several times, No comments have been received.
  - Allow 716 to be administratively withdrawn in 2021
  - Allow 771 to be administratively withdrawn in 2019
  - C/ATLAS is done!
- **IEEE 1174 (Serial Instrumentation Interface)**
  - Has been published several times, No comments have been received.
  - Allow 1174 to be administratively withdrawn in 2019
  - Serial Instrumentation Interface is done!

# My Idea of What We 'Do'

- **IEEE P1514 (ITA Recommended Practice)**
  - In working group development.
- **New**
  - I suggest a new PAR for a new OWL & XML based standard for diagnostic reasoning and prognostics.
- **IEEE 488.1, 488.2 (GPIB) & 1155 (VXI)**
  - All three have been published several times, No comments have been received.
  - These technologies are heavily used.
  - PAR for the revision of 488.1
  - PAR for the revision of 488.2
  - PAR for the revision of 1155
  - I issue three calls for participation within the I&M society to gain working group memberships & have a article prepared for I&M publication in "Instrumentation" magazine.



# My Idea of What We ‘Do’

- SCC20 addresses elements of the DoD ATS Architecture; but concentrates more on areas not yet standardized, and areas the ATE industry uses.
  - Such as the PAR for diagnostic reasoning and prognostics, GPIB, VXI, etc.
  - Possibly introduce TPS development related Standardization / Recommended Practice activities, (for example, I know of 6 different ways to calculate a Test Uncertainty Ratio)
  - Possibly introduce/contribute to ATS related Cyber Security/Anti-Tamper Standardization / Recommended Practices activities. (for example how many ways can an Oscilloscope be ‘hacked’ today? What should be done to prevent it from happening)
  - Possibly introduce a “Services” standard. We have standardized the data, but not how the data is ‘moved’.
    - WSDL – Revise/Reintroduce ABBET ?
  - Possibly introduce a “test methodologies” standard/recommended practice
    - What should a ATE’s Self-Test actually test?
    - How should a ATE be calibrated?

# The future path is.....

- These 'new' standards would introduce new membership, calls on existing/past members when needed.
- Have more topic focused working group electronic meetings (not HI or TAD level), possibly moving to only one face-to-face meeting/year.
  - WebEx, etc. capability should be a criteria for meeting locations
- More use of the IEEE-SA tools such as 'iMeet' which provides secure working group document management.

# Questions ?