



# **SCC20 Annual Report March 2020**

**Mike Seavey, Chair**



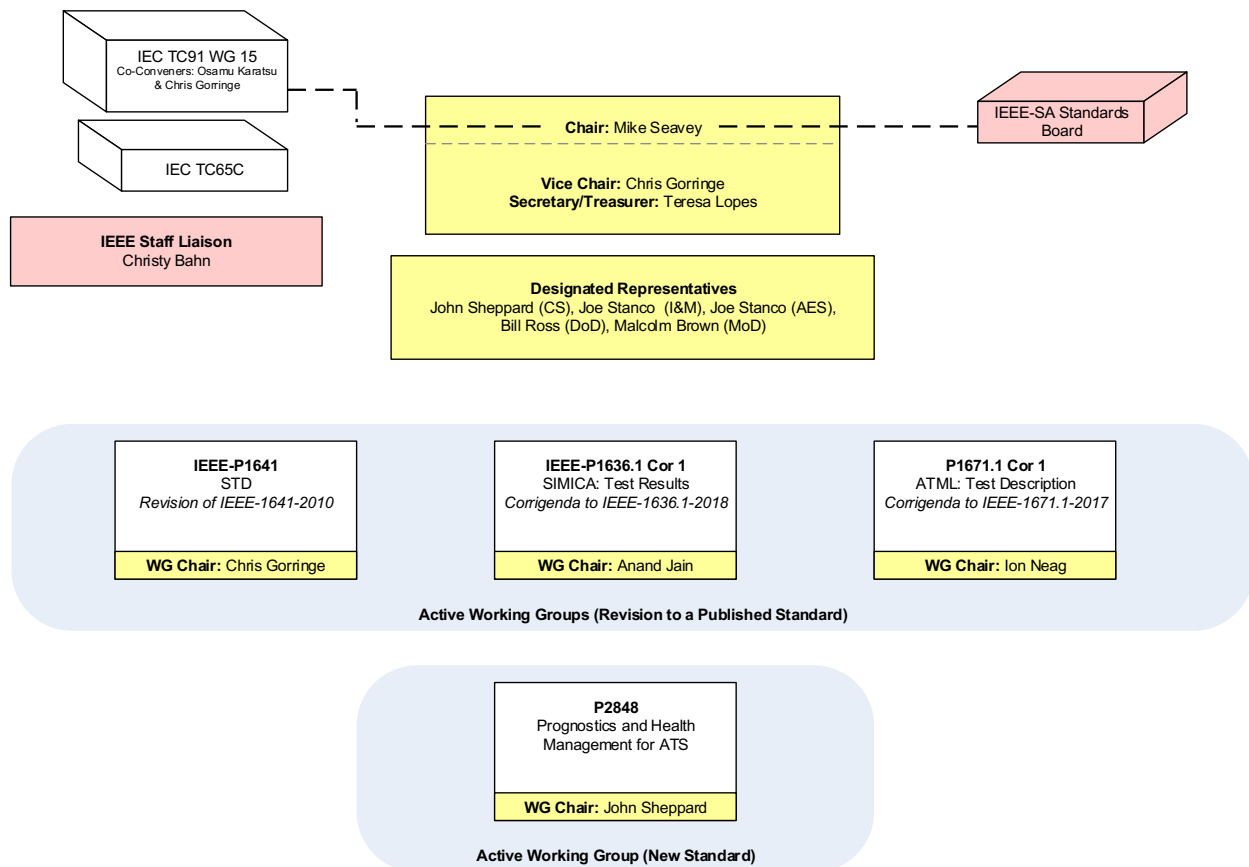
# 1) Scope

## Standards Coordinating Committee 20 on Test and Diagnosis for Electronic Systems Charter/Scope Statement remained:

“Provides for the management, development, and maintenance of language and interface standards supporting system-level (onboard and offboard) automatic test and diagnosis. These standards include (but are not limited to) test requirements, test programs, test procedures, diagnostic knowledge, maintenance information, and major hardware subsystem interfaces between and within Automatic Test Systems.”

### 1a) SCC20 Organization for 2020 with Standards Responsibilities Identified:

The SCC20 Chair, Vice-Chair, and Secretary offices remain as they were in 2019. The SCC20 Secretary includes the title of Treasurer.





## 2) SCC20 Membership Roster

The participating membership and interested parties of SCC20 is contained in the below roster. The participating membership and interested parties of SCC20 in the below roster was derived from the SCC20 myProject roster. The current involvement level represents involvement at the SCC20 Committee level. (e.g., not at the working group(s) level). Note that two individuals in the SCC20 myProject roster are deceased. Out of respect, they have not been included in this reports roster.

The roster information included within this report does not include “sensitive personal data” information on individuals. An Excel file will be provided to Christy Bahn (SCC20 IEEE Staff liaison) containing the same data provided here, along with the “sensitive” fields.

| Last Name     | First Name  | Role                               | Current Involvement Level |
|---------------|-------------|------------------------------------|---------------------------|
| Adams Jr      | W Larry     |                                    | Observer                  |
| Al Awazi      | Ali         |                                    | Observer                  |
| Allen         | Stephen     |                                    | Observer                  |
| Azizi-Ghannad | Saber       |                                    | Observer                  |
| Bagby         | Adam        |                                    | Observer                  |
| Bahn          | Christy     | IEEE Staff Liaison                 | Non-Voting Member         |
| Basso         | Thomas      |                                    | Observer                  |
| Baumgart      | Brian       |                                    | Observer                  |
| Baur          | Martin      |                                    | Observer                  |
| Bayer         | Michael     |                                    | Observer                  |
| Binder        | Wallace     |                                    | Observer                  |
| Blair         | Thomas      |                                    | Observer                  |
| Bodkin        | Michael     |                                    | Observer                  |
| Braden        | John        |                                    | Observer                  |
| Brown         | Andrew      |                                    | Observer                  |
| Brown         | Bill        |                                    | Observer                  |
| Brown         | Malcom      | U.K. MoD Designated Representative | Voting Member             |
| Bucaneg       | Demetrio Jr |                                    | Observer                  |
| Cardoso       | Antonio     |                                    | Observer                  |
| Carreon       | Juan        |                                    | Observer                  |



## STANDARDS COORDINATING COMMITTEE 20 (SCC20)

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| <b>Last Name</b> | <b>First Name</b> | <b>Role</b> | <b>Current Involvement Level</b> |
|------------------|-------------------|-------------|----------------------------------|
| Chen             | William           |             | Observer                         |
| Chow             | Keith             |             | Observer                         |
| Cooper           | Tommy             |             | Observer                         |
| Copley           | Ryan              |             | Observer                         |
| Cornish          | Matt              |             | Observer                         |
| Dare             | Stephen           |             | Observer                         |
| Daubert          | Ronald            |             | Observer                         |
| Davenport        | Byron             |             | Observer                         |
| Davis            | Timothy           |             | Observer                         |
| Dotson           | Randall           |             | Observer                         |
| Drabkin          | Mark              |             | Observer                         |
| Droste           | David             |             | Voting Member                    |
| Dufield          | Dana              |             | Observer                         |
| Dumser           | James             |             | Observer                         |
| Dunn             | Donald            |             | Observer                         |
| Ehrenberg        | Heiko             |             | Observer                         |
| Einspanjer       | Tamara            |             | Observer                         |
| Flowers          | Keith             |             | Observer                         |
| Foda             | Rabiz             |             | Observer                         |
| Galyon           | Edgar             |             | Observer                         |
| Gaudette         | Thomas            |             | Observer                         |
| Gauntner         | Thomas            |             | Observer                         |
| Genkuong         | Fernando          |             | Observer                         |
| Gerstein         | William           |             | Observer                         |



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| <b>Last Name</b> | <b>First Name</b> | <b>Role</b> | <b>Current Involvement Level</b> |
|------------------|-------------------|-------------|----------------------------------|
| Gonzalez         | Jose              |             | Observer                         |
| Gorringe         | Chris             | Vice-Chair  | Voting Member                    |
| Grard            | Christophe        |             | Observer                         |
| Groves           | Randall           |             | Observer                         |
| Harrison         | Michael           |             | Observer                         |
| Hight            | Kevin             |             | Observer                         |
| Hinks            | Nathan            |             | Observer                         |
| Hoelzl           | Werner            |             | Observer                         |
| Hoffman          | Dennis            |             | Observer                         |
| Holtzer          | Mark              |             | Observer                         |
| Horgan           | E                 |             | Observer                         |
| Horwitz          | Dennis            |             | Observer                         |
| Hunter           | David             |             | Observer                         |
| Hunter           | Wayne             |             | Observer                         |
| Jacobsson        | Ulla              |             | Observer                         |
| Jain             | Anand             |             | Voting Member                    |
| Jensen           | Alan              |             | Observer                         |
| Kalgren          | Patrick           |             | Observer                         |
| Karatsu          | Osamu             |             | Observer                         |
| Kelly            | Patrick           |             | Observer                         |
| Khersonsky       | Yuri              |             | Observer                         |
| Konnik           | Robert            |             | Observer                         |
| Langlois         | James             |             | Observer                         |
| Larsson          | Lars Olov         |             | Observer                         |



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|------------------|-------------------|-------------|----------------------------------|
| Lee              | Gerald            |             | Observer                         |
| Lee              | Solomon           |             | Observer                         |
| Ley              | Adam              |             | Observer                         |
| Lin              | Jason Jy-Shung    |             | Observer                         |
| Linker           | Maurice           |             | Observer                         |
| Livshitz         | Albert            |             | Observer                         |
| Lopes            | Teresa            | Secretary   | Voting Member                    |
| Lourido          | Lisardo           |             | Observer                         |
| Luri             | Greg              |             | Observer                         |
| Maciejewski      | William           |             | Observer                         |
| Maguire          | William           |             | Observer                         |
| Mann             | Stephen           |             | Voting Member                    |
| Mayle            | Frank             |             | Observer                         |
| McAllister       | Richard           |             | Voting Member                    |
| Mccall           | Edward            |             | Observer                         |
| McDermid         | William           |             | Observer                         |
| Mcgarvey         | Robert            |             | Observer                         |
| McGranaghan      | Mark              |             | Observer                         |
| Mcquin           | Nigel             |             | Observer                         |
| Mehraban         | A S               |             | Observer                         |
| Meininger        | Richard           |             | Observer                         |
| Melendez         | Francisco         |             | Observer                         |
| Misha            | Scott             |             | Observer                         |
| Modi             | Mukund            |             | Observer                         |



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| <b>Last Name</b> | <b>First Name</b> | <b>Role</b>                                     | <b>Current Involvement Level</b> |
|------------------|-------------------|---|----------------------------------|
| Najdenkoski      | Krste             |   | Observer                         |
| Neag             | Ion               |   | Voting Member                    |
| Newman           | Michael           |   | Observer                         |
| Nogueda          | Victor            |   | Observer                         |
| Orlidge          | Leslie            |   | Observer                         |
| Osella           | Stephen           |   | Observer                         |
| Patterson        | Ralph             |   | Observer                         |
| Pehosh           | M                 |   | Observer                         |
| Penrose          | Howard            |   | Observer                         |
| Pritchett        | Hugh              |   | Voting Member                    |
| Puthenkulam      | Jose              |   | Observer                         |
| Ralph            | John              |   | Observer                         |
| Richardson       | Peter             |   | Observer                         |
| Rickmann         | Johannes          |   | Observer                         |
| Robinson         | Gordon            |   | Observer                         |
| Rohacek          | David             |   | Observer                         |
| Ross             | William           | US DoD Designated Representative                | Voting Member                    |
| Sarfi            | Thomas            |   | Observer                         |
| Schellpfeffer    | Mary Capelli      |   | Observer                         |
| Schieber         | Michel            |   | Observer                         |
| Schossig         | Thomas            |   | Observer                         |
| Seavey           | Mike              | Chair   | Voting Member                    |
| Sern             | Jonjen            |   | Observer                         |
| Sheppard         | John              | IEEE Computer Society Designated Representative | Voting Member                    |
| Shultz           | Gil               |   | Observer                         |



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| <b>Last Name</b> | <b>First Name</b> | <b>Role</b>  | <b>Current Involvement Level</b> |
|------------------|-------------------|--|----------------------------------|
| Sim              | Hyeong            |  | Observer                         |
| Simon            | Mark              |  | Observer                         |
| Singleton        | David             |  | Observer                         |
| Smallwood        | Cameron           |  | Observer                         |
| Smith            | David             |  | Observer                         |
| Smith            | Rob               |  | Observer                         |
| Spinner          | Robert            |  | Voting Member                    |
| Srinivas         | Nagu              |  | Observer                         |
| Stabler          | John              |  | Observer                         |
| Stanco           | Joseph            | IEEE I&M and AES Society Designated Representative | Voting Member                    |
| Stoner           | James             |  | Observer                         |
| Stora            | Michael           |  | Voting Member                    |
| Struppler        | Walter            |  | Observer                         |
| Taylor           | Ronald            |  | Voting Member                    |
| Thompson         | Kirk              |  | Observer                         |
| Tillinghast      | Mark              |  | Observer                         |
| Timperley        | James             |  | Observer                         |
| Tullia           | Thomas            |  | Observer                         |
| Vandermaar       | AJohn             |  | Observer                         |
| Von Herrmann     | Martin            |  | Observer                         |
| Webster          | Keith             |  | Observer                         |
| Wiesner          | Na'Shea           |  | Voting Member                    |
| Wilmering        | Timothy           |  | Observer                         |
| Wilson           | James             |  | Observer                         |
| Winqvist         | Timothy           |  | Voting Member                    |
| Yeh              | Dean              |  | Observer                         |
| Zobaa            | Ahmed             |  | Observer                         |





### 3) Budget and Expenses:

SCC20 has no operating budget. SCC20 incurred no expenses in 2019.

### 4) Activity Report:

SCC20 activity is presented as:

- a) 4(a) details the activities of SCC20 WG's that completed work in 2019 (and are now inactive).
- b) 4(b) through 4(e) detail the activities of the active SCC20 Working Groups (WGs). Each Working Group report contains the objectives and goals for the current year, objectives and goals for past year and the performance relative to them, and current areas of activities with milestones indicated.
- c) 4(f) details the IEEE Staff support requirements.
- d) 4(g) details the SCC20 Committee activities.
- e) 4(h) details the SCC20 Committee; years 2019 through 2020; and SCC20 Working Group meeting schedules; years 2019 through 2020.

#### **4(a) P1505.1 WG Report:**

##### **4(a)-1 Objectives and Goals for current year.**

**Objective:** None, this Working Group has completed their tasks.

**Goal:** None, this Working Group has completed their tasks.

##### **4(a)-2 Objectives and Goals for past year and the performance relative to them.**

**Objective:** Complete the sponsor ballot, or withdraw the standard.

**Goal:** Have the document on the RevCom Agenda by June 2019.

**Status:** *Complete:* the Standard was published in August 2019.



**4(b) P1641 WG Report:**

**4(b)-1 Objectives and Goals for current year.**

**Objective:** Finalize the Standard and the Associated XML files. Perform MEC, Establish Ballot Constituency, Conduct Ballot, Conduct Ballot Resolution, Conduct Recirculation, and Submit to RevCom.

**Goal:** Have the Standard submitted to RevCom by the October 2020 Submittal Deadline.

**4(b)-2 Objectives and Goals for past year and the performance relative to them.**

**Objective:** Final Revision the draft to include a) updated TPL, b) introduce a new interface for .NET, c) Identify new BSC components, d) better define the use of Signal Templates, e) Integrate digital bus controls, f) Revisit the use of ID's and IDRef's, g) Include test scripts for validation of signals.

**Goal:** Have a revised draft and XML support files such that the finalization of the document can be accomplished mid-2019, and go to ballot late 2019.

**Status:** *In-process:* Discussions regarding material to be included in the Standard and XML proceeded throughout 2019. The Existing PAR expires in December 2020.

**4(b)-3 Current area(s) of activity with milestones indicated.**

| <b>Task</b>                                  | <b>Projected Completion Date</b> |
|--|----------------------------------|
| Finalize document and XML schema             | March 2020                       |
| Submit to SCC20 for Approval to go to Ballot | April 2020                       |
| MEC, Ballot Constituency Formation           | June 2020                        |
| Sponsor Ballot                               | June 2020                        |
| Ballot Resolution                            | September 2020                   |
| Ballot Recirculation                         | October 2020                     |
| Submit Project to RevCom                     | October 2020                     |



**4(c) P1636.1 Cor 1 WG Report:**

**4(c)-1 Objectives and Goals for current year.**

**Objective:** Finalize the Corrigenda Draft, Submit to MEC, Create Balloting Constituency, Initiate Sponsor Ballot, Address Ballot Resolution (if necessary), and Submit to RevCom.

**Goal:** Have the Project submitted to RevCom by October 2020.

**4(c)-2 Objectives and Goals for past year and the performance relative to them.**

The approval of this Projects PAR was in June of 2019.

**4(c)-3 Current area(s) of activity with milestones indicated.**

| <b>Task</b>                                  | <b>Projected Completion Date</b> |
|--|----------------------------------|
| Finalize document and XML schema             | March 2020                       |
| Submit to SCC20 for Approval to go to Ballot | April 2020                       |
| MEC, Ballot Constituency Formation           | June 2020                        |
| Initiate Sponsor Ballot                      | July 2020                        |
| Ballot Resolution                            | September 2020                   |
| Recirculation (if necessary)                 | October 2020                     |
| Submit to RevCom                             | October 2020                     |

**4(d) P1671.1 Cor 1 WG Report:**

**4(d)-1 Objectives and Goals for current year.**

**Objective:** Finalize the Corrigenda Draft, Submit to MEC, Create Balloting Constituency, Initiate Sponsor Ballot, Address Ballot Resolution (if necessary), and Submit to RevCom.

**Goal:** Have the Project submitted to RevCom by October 2020.

**4(d)-2 Objectives and Goals for past year and the performance relative to them.**

The approval of this Projects PAR was in November of 2019.



4(d)-3 Current area(s) of activity with milestones indicated.

| Task   | Projected Completion Date |
|--|---------------------------|
| Finalize document and XML schema             | March 2020                |
| Submit to SCC20 for Approval to go to Ballot | April 2020                |
| MEC, Ballot Constituency Formation           | June 2020                 |
| Initiate Sponsor Ballot                      | July 2020                 |
| Ballot Resolution                            | September 2020            |
| Recirculation (if necessary)                 | October 2020              |
| Submit to RevCom                             | October 2020              |

**4(e) P2848 WG Report:**

4(e)-1 Objectives and Goals for current year.

**Objective:** Establish the Working Group and develop a Draft Outline of the Standard.

**Goal:** Have a Draft Outline of the Standard by the end of 2020.

4(e)-2 Objectives and Goals for past year and the performance relative to them.

The SASB approved the PAR for this project in November of 2019.

4(e)-3 Current area(s) of activity with milestones indicated.

| Task                              | Projected Completion Date |
|-----------------------------------|---------------------------|
| Establish Working Group           | May 2020                  |
| Develop Draft Outline of Standard | December 2020             |



**4(f) IEEE Staff Support Requirements:**

SCC20 does not foresee any support requirements, beyond the typical liaison interactions, in 2020.

**4(g) SCC20 Committee activities:**

- 1) The SCC20 Chair (M. Seavey) created SCC20 activities reports for two IEC TC91 WG 15 meetings held in 2019. Collaboration activities will continue between the SCC20 Chair (M.Seavey) and the IEC TC91 WG15 Chair (O. Karatsu).
- 2) IEEE Society Designated Representatives (CS, I&M, and AES) have reported no Society activity to SCC20. The I&M and AES Designated Representative has been unreachable. The SCC20 Chair (M. Seavey) has been in contact with Christy Bahn (SCC20 IEEE Staff liaison) regarding the situation.

**4(h) SCC20 Meeting Schedules:**

**4h-1) Full SCC20 Committee Meeting Schedule:**

The full SCC20 committee met twice in 2019:

- The first, SCC20 19-1, was held April 24-26 in North Reading, MA.
- The second, SCC20 19-2, was held September 23-24 in Bristol, U.K.
- The SCC20 Committee met electronically September 9-13.

SCC20 is anticipating two full committee meetings in 2020:

- The first, SCC20 20-1, is anticipated to be held April 29-May 1 in North Reading, MA.
- The second, SCC20 20-2, is anticipated to be held in September in Bristol, U.K. September in Paris, France (as an alternative to Bristol) is also under consideration.



**4h-2) SCC20 P1641 Working Group Meeting Schedule:**

**2019 meetings:**

19-A: North Reading, MA (April with full SCC20)

19-B: Bristol, U.K. (September with full SCC20)

**2020 meetings:**

20-A North Reading, MA (April with full SCC20)

20-B Bristol, U.K. (September with full SCC20)

**4h-3) SCC20 P1636.1 Cor 1 Working Group Meeting Schedule:**

**2019 meetings:**

19-A: Bristol, U.K. (September with full SCC20)

**2020 meetings:**

20-A North Reading, MA (April with full SCC20)

**4h-4) SCC20 P1671.1 Cor 1 Working Group Meeting Schedule:**

**2019 meetings:**

None (The approval of the PAR was in November 2019)

**2020 meetings:**

20-A North Reading, MA (April with full SCC20)

**4h-5) SCC20 P2848 Working Group Meeting Schedule:**

**2019 meetings:**

None (The approval of the PAR was in November 2019)

**2020 meetings:**

20-A Electronically in April/May

20-B North Reading, MA (April with full SCC20 – tentative)

20-C Electronically in June/July

20-D Electronically in October/November