

SCC14 Quantities, Units, and Letter Symbols
2018-2019 Annual Report
Doug Edwards, Chair

1. SCC14 Scope

Studies questions regarding quantities, units and systems of measurement; prepares recommendations and standards on these matters; and provides current information on quantities and units to all organizations preparing IEEE standards. The Committee maintains the American National Standard for Metric Practice, and advises all IEEE entities on questions regarding metric practices and the application of the International System of Units (SI). It is no longer a Mandatory Coordinating body for the pre-ballot and post-ballot review of drafts for conformance to IEEE Policy 9.16, Metric Policy. However, SCC14 remains as subject matter experts for standards development and IEEE-SA Editorial Staff for determination of conformance to IEEE Policy 9.16 and recommends exceptions, should they be required

2. Member roster

a. SCC14 voting member are:

Name	Affiliation
Doug Edwards, Chair	Siemens
Keith Flowers, Vice-Chair	Siemens
Stephen Shull, Secretary	North Fork SE
Peter Balma	Retired
Randy Curey	Northrop -Northrop Grumman
James Frysinger	Metric Methods
Gary Hoffman, Past Chair	Advanced Power Technologies
Howard Ressel	New York State Dept. of Transportation

b. Officer changes

- Gary Hoffman stepped down as Chair.
- Doug Edwards was appointed as new Chair.
- New officers, Secretary & Vice-Chair, have been appointed and are noted in table above.
- SCC14 officers are confirmed to be IEEE and IEEE-SA members.

Note: All officer changes were effective May 23, 2019.

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3. Activity report

a. Listing of SCC14 Sponsored IEEE Standards

Std	Title	Status
260.1	American National Standard for Metric Practice	SASB Expiration: 25 Mar 2020 PAR Expiration: 31 Dec 2020
260.3	IEEE Standard Letter Symbols for Units of Measurement (SI Customary Inch-Pound Units, and Certain Other Units)	SASB Expiration: 31 Dec 2022 PAR Expiration: N/A
260.4	American National Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics	SASB Expiration: 31 Dec 2028 PAR Expiration: N/A
270	IEEE Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI)	SASB Expiration: 31 Dec 2022 PAR Expiration: N/A
280	IEEE Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering	SASB Expiration: 31 Dec 2018 PAR Expiration: 31 Dec 2020
945	IEEE Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology	SASB Expiration: 31 Dec 2029 PAR Expiration: N/A
947	Guide for Identification of Alternative Metric Devices for Valves, Fittings, Threads, Flanges	SASB Expiration: N/A (New) PAR Expiration: 31 Dec 2021
1541	IEEE Standard for Prefixes for Binary Multiples	SASB Expiration: 31 Dec 2018 PAR Expiration: 31 Dec 2020
SI 10	American National Standard for Metric Practice	SASB Expiration: 31 Dec 2026 PAR Expiration: N/A

b. Status of Active PARs

i. P260.1, IEEE Standard Letter Symbols for Units of Measurement (SI Units, Customary Inch-Pound Units, and Certain Other Units)

- WG P260.1 is chaired by Jim Frysinger.
- Work on P260.1 was delayed based on Chair Frysinger's prioritization to move P1541 forward, a project Mr. Frysinger chairs as well. Work on P260.1 will begin once P1541 moves to Sponsor ballot.
- Forecast completing ballot process in 2020 prior to PAR expiration date.

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ii. P280, IEEE Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering

- WG P280 is chaired by Randy Curey.
- Revisions of the document are in process.
- Forecast completing ballot process in 2020 prior to PAR expiration date.

iii. P947, Guide for Identification of Alternative Metric Devices for Valves, Fittings, Threads, Flanges

- WG P947 is chaired by Stephen Shull.
- Updated IEEE Copyright Rules are compromising ability of the WG to do their work.
- WG was forecasting balloting in early 2020. Forecast for initial ballot is now uncertain pending ability to obtain some non-IEEE standards.
- Goal is complete ballot process in 2020 prior to PAR expiration date.

iv. P1541, IEEE Standard for Prefixes for Binary Multiples

- WG P1541 is chaired by Jim Frysinger.
- Initial ballot was conducted.
- In process for comment resolution for initial ballot.
- Forecast initiated recirculation ballot by Fall 2019.
- Forecast completing ballot process in 2020 prior to PAR expiration date.

c. Recent activities

i. IEEE Std 945, IEEE Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology

IEEE Std 945 was published May 2019.

ii. SCC14 Conventions

No revisions or updates made to SCC14 Conventions in 2018.

iii. Review/Support of IEEE-SA Editorial Staff

- In 2017 and into 2018, SCC14 engaged with IEEE-SA Editorial to support review of drafts before RevCom to ensure drafts approved by the SASB comport to IEEE Policy 9.16

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and the IEEE-SASB Implementation Plan for IEEE Policy 9.16.

- Such pre-reviews by IEEE-SA Editorial Staff appear to be working reasonably well.

iv. Task Force

- A motion was approved by SCC14 at its 23 May 2019 meeting to form a task force. Motion to form a task force to look at strategic direction for all SCC14 standards. ~~to review all SCC14 Standards to make recommendations for which standards should be combined, which should remain standalone, or other modifications to the present structure of standards.~~
- This Task Force is chaired by Randy Curey.

v. SCC14 Standards Committee P&P

SCC14 P&P was approved in March 2019.

vi. Task Force - SCC14 Working Group P&P

- A motion was approved by SCC14 at its 23 May 2019 meeting to form a task force to review and revise the SCC14 Working Groups' P&P.
- This Task Force is chaired by Doug Edwards.

vii. Repository for SCC14 documents

IEEE-SA has setup a repository via IMeetCentral to share published SCC14 documents for SCC14 members.

4. Future Meetings

Next meeting is targeted for October 2019, prior to the November 2019 IEEE-SA Standard Board meeting.

5. Budget and Expenses

SCC14 has no funds, no operating expenses, does not collect dues and does not maintain a budget.

Reported by:

Doug Edwards
Siemens

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Chair, SCC 14
May 23, 2019