

SCC14 Quantities, Units, and Letter Symbols

2017-2018 Annual Report

Gary Hoffman, Chair

1. 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

SCC14 is comprised of the following voting members.

Name	Affiliation	IEEE Member
Peter Balma	Peter M Balma Consulting	Yes
Bruce Barrow	Retired	Yes
Angelo Campanella	Campanella Associates	No
Clair Claiborne	ABB Inc.	Yes
Doug Edwards, Vice Chair	Siemens	Yes
Keith Flowers	Siemens	Yes
James Frysinger, Past Chair	Metric Methods	Yes
Randall Groves	Grant County PUD	Yes
Michael Heinsdorf	ARCOM	No
Gary Hoffman, Chair	Advanced Power Technologies	Yes
Brian Lee, Secretary	Anritsu	Yes
Ronald Petersen	R.C. Petersen Associates LLC	Yes
Howard Ressel	New York State Dept. of Transportation	No
Christopher Struck	CJS Labs	Yes

3. Activity report

a. Listing of SCC14 Sponsored IEEE Standards

Standard	Title	Standard Expires
260.1	American National Standard for Metric Practice	25 March 2020
260.3	IEEE Standard Letter Symbols for Units of Measurement (SI Customary Inch-Pound Units, and Certain Other Units)	31 December 2022

260.4	American National Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics	31 December 2018
270	IEEE Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI)	31 December 2022
280	IEEE Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering	31 December 2022
945	IEEE Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology	31 December 2022
1541	IEEE Standard for Prefixes for Binary Multiples	31 December 2018
SI 10	American National Standard for Metric Practice	31 December 2018

b. Status of Active PARs

i. P945 IEEE Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology

WG P945 obtained a PAR extension 27 September 2017 to December 2019. This WG is chaired by Doug Edwards. The Working Group is moving towards its initial Sponsor ballot in the second half of 2018.

ii. 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. The PAR for this project was approved 22 September 2016. Work on P260.1 was delayed due to Chair Frysinger's push to move P1541 forward, a Project Mr. Frysinger Chairs as well. Work on P260.1 will begin once P1541 moves to Sponsor ballot. Balloting is expected to be completed before the Standard is withdrawn in 2020.

iii. P1541 IEEE Standard for Prefixes for Binary Multiples

WG P1541 is chaired by Jim Frysinger. The PAR for this project was approved 22 September 2016. In early 2018 the Working Group approved P1541 to move to Sponsor Ballot and gained SCC14 Member approval to move to Sponsor Ballot as well. Currently the Invitation to Ballot is in process and the draft has been submitted for MEC review .

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

WG P280 is chaired by Ron Petersen. The PAR for this project was approved 22 September 2016. At the May 14 SCC14 meeting a Motion was approved to circulate the draft to SCC14 Members as another set eyes to make comments and in parallel provide their vote to approve or disapprove moving to Sponsor Ballot.

v. P260.4 American National Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics

WG P260.4 is chaired by Gary Hoffman. The PAR for this project was approved 22 September 2016. Draft 1.0 is in the initial Sponsor ballot that closes 25 May. As of the date of this report, the ballot has achieved the necessary 75% return rate and 97% approval, 23 comments, and one negative ballot. It is reasonable to expect this project be ready to be submitted for consideration at an upcoming 2018 RevCom meeting.

c. Recent activities

i. SCC14 Conventions

The SCC14 Conventions were completed and approved by SCC14 in 2017. At the March 2018 RevCom meeting, RevCom approved the posting of the SCC14 conventions to the IEEE-SASB RevCom page.

ii. Support of IEEE-SA Editorial Staff

In 2017 and into 2018, SCC14 has been 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 and the IEEE-SASB Implementation Plan for IEEE Policy 9.16. In January 2018 SCC14 was requested by a Sponsor to review and approve a Waiver for P1680.1. The Waiver was approved and project approved by the SASB,

iii. New SCC14 Guide for alternate metric valves, fittings, threads and flanges, P947

In September 2017 the PAR was approved until December 2021 for this important Guide to allow developers of IEEE Standards the option of selecting metric fittings, valves, flanges and threads. This Guide's goal is an effort by SCC14 to assist IEEE-SA standards development committees to gain global acceptance of the IEEE Standards they are developing. The project is Chaired by Brian Lee who held the first WG meeting on 4 May 2018.

iv. PAR study task force

A motion was approved by SCC14 at its 14 May meeting to form a task force to study 260.3 and 270.6 and other ancillary SCC14 Standards to determine which standards should remain standalone, and which should be combined, and which should be withdrawn or let expire. This effort is being Chaired by Jim Frysinger.

v. Review of the SCC14 Sponsor P&P

A motion was approved by SCC14 at its 14 May meeting to form a task force to review the current SCC14 Sponsor P&P and revise them as a group effort. All SCC14 Members are requested to participate. Peter Balma has come forward to volunteer to Chair this effort.

vi. SCC14 actions for GDPR

At its 14 May meeting the Committee was briefed on GDPR and actions needed for compliance. The SCC14 Chair, Secretary and Webmaster are involved in actions to achieve compliance.

4. Future Meetings

The SCC14 Chair at the 14 May 2018 meeting advised the committee that the next meeting is planned for 2 November 2018.

5. Budget and Expenses

SCC14 has no funds, no operating expenses, does not collect dues and does not maintain a budget. SCC14 utilizes IEEE-SA meeting tools such as join.me and imeetCentral. Our Working Groups have experienced difficulty with join.me with echoing issues.