

SCC14 Quantities, Units, and Letter Symbols

~~2016-2017~~ 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 9.17, Metric Policy. However, SCC14 remains as subject matter experts for standards development and IEEE-SA Editorial Staff for determination of conformance to IEEE Policy 9.17 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	3/25/2020
260.3	IEEE Standard Letter Symbols for Units of Measurement (SI Customary Inch-Pound Units, and Certain Other Units)	12/31/2022

260.4	American National Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics	12/31/2018
270	IEEE Standard Definitions for Selected Quantities, Units, and Related Terms, with Special Attention to the International System of Units (SI)	12/31/2022
280	IEEE Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering	12/31/2018
945	IEEE Recommended Practice for Preferred Metric Units for Use in Electrical and Electronics Science and Technology	12/31/2018
1541	IEEE Standard for Prefixes for Binary Multiples	12/31/2018
SI 10	American National Standard for Metric Practice	12/31/2026

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 is chaired by Doug Edwards who took over on March 13, 2017 from the prior Chair who voluntarily resigned. The PAR for this project was approved 7/1/2013 and expires 12/31/2017. Chair Edwards will need to file a PAR extension in the event that the ballot is not started or completed before the October 16 NesCom/RevCom submittal deadline.

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 September 22, 2016 and the work is underway to revise this standard. 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 September 22, 2016 and work is underway to complete the draft.

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 September 22, 2016 and work is underway to complete the draft.

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 September 22, 2016 and work is underway to complete the draft.

c. Recent activities

i. Officer Election

After the passing of the SCC14 Secretary, the SCC14 Chair decided to organize an election for a new SCC14 Secretary and SCC14 Vice Chair. Ron Petersen agreed to be the Election officer. Nominations for candidates were offered by SCC14 Members with two candidates for each position agreeing to be candidates. The election opened on May 8 and concluded May 23. The Members chose Doug Edwards to be SCC14 Vice Chair and Brian Lee to be SCC14 Secretary.

ii. SCC14 Conventions

As a result of the changes made to remove SCC14 as a mandatory coordinating body and revision of the IEEE SASB IEEE metric implementation plan SCC14 maintains its responsibility to be the subject matter experts to all standards developers and IEEE-SA Editorial staff the Members authorized a Task Force to create Conventions used by standards developers and SCC14 Members volunteering to review drafts to decide if an exception is required. This TF is Chaired by Peter Balma and is expected to be completed before the end of 2017.

iii. SCC14 Meetings and Membership

In an effort to maintain momentum in the activities of SCC14, it was decided to hold two main committee meetings in May and November. While there were several resignations there are eight new members in 2016 into 2017.

iv. New Proposed SCC14 Guide for alternate metric valves, fittings, threads and flanges

At the November 2016 SCC14 the SCC14 Chair made a proposal to form a PAR Study group to draft a new IEEE Guide developed by SCC14 to provide IEEE standards developers with metric alternates to Imperial or English unit counterparts. The SCC14 Chair cited the IEEE-SA's efforts to become more global by offering metric devices either instead of, or in addition to, Imperial or English unit devices. The Task Force presented their proposal for a Title, Scope and Purpose at May 11, 2017 SCC14 meeting and the motion to approve seeking the PAR was approved. Brian Lee volunteered to become Chair the effort to file the PAR application and lead the Working Group.

4. Future Meetings

The SCC14 Chair at the May 11, 2017 advised the committee that the next meeting is planned for November 14, 2017.

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. Join.me is quite basic that makes it difficult to hold productive web meetings.