

SCC14 Quantities, Units, and Letter Symbols
2016 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 currently a Mandatory Coordinating body for the pre-ballot and post-ballot review of drafts for conformance to IEEE Policy 9.17, Metric Policy.

2. Member roster

SCC14 is comprised of the following voting members.

Name	Affiliation	IEEE Member
Gordon Aubrecht, Secretary	Ohio State University	Yes
Peter Balma, Vice Chair	Peter M Balma Consulting	Yes
Bruce Barrow	Retired	Yes
Angelo Campanella	Campanella Associates	No
Clair Claiborne	ABB Inc.	Yes
Doug Edwards	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
Ronald Petersen	R.C. Petersen Associates LLC	Yes
Bill Potts	Self	No
Howard Ressel	New York State Dept. of Transportation	No
Ambler Thompson	NIST	No
Paul Trusten	US Metric Association	No

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	12/31/2018

	Symbols and Abbreviations for Quantities Used in Acoustics	
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	12/8/2020

b. Status of Active PARs

i. PSI 10 American National Standard for Metric Practice

WG PSI 10 is Chaired by James Frysinger and is co-sponsored by ASTM and IEEE. IEEE WG PSI 10 brought its draft to initial ballot and comment resolution. As of this report, PSI 10 is waiting for ASTM to resolve its disapprove ballots before PSI 10 can submit to RevCom. The PAR for PSI 10 expires on 12/31/2019.

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

WG P945 is Chaired by Bruce Barrow. The PAR for this project was approved 7/1/2013 and expires 12/31/2017. In an effort to assist the Chair to increase participation in WG P945 the SCC14 Staff Liaison orchestrated a call for participation that was issued to three separate IEEE Technical Committees. A PAR extension is likely needed if progress can be made to bring the revised standard to ballot. Several ideas will be shared with the WG Chair to stimulate activity.

c. Recent activities

i. Status of the SCC14 Chair

Jim Frysinger announced his intention at the April 2015 meeting that he would be retiring as SCC14 Chair effective April 29, 2015. However, even though Jim's intent to vacate the Chair's position, he held SCC14 together until a new SCC14 Chair could be appointed. On March 25, 2016 Gary Hoffman was appointed Chair of SCC14. The week prior to the May 23, 2016 annual SCC14 meeting, Ambler Thompson announced to the Chair that he was retiring as SCC14 Vice Chair. The

Chair appointed Peter Balma for one year as prescribed by the SCC14 P&P. As per the SCC14 P&P, an election officer will be appointed by the Chair to seek candidates to run for election as SCC14 Vice Chair.

ii. 2016 Annual SCC14 Meeting

On May 23, 2016, SCC14 had its annual meeting held via teleconference hosted by the IEEE-SA. A total of 18 attendees participated including nine voting members and nine guests. Four voting members were absent. Two of the attendees: Clair Claiborne and Doug Edwards requested voting membership that was granted by the SCC14 Chair.

Since a quorum was present, SCC14 took the following action on four IEEE Standards that will be administratively withdrawn unless SCC14 takes action by 31 December 2018:

1. IEEE Std 280 IEEE Standard Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering

By unanimous consent, SCC14 voting Members approved seeking a PAR for the revision of IEEE Std 280. Ronald Petersen volunteered to be Working Group Chair and was appointed by the SCC14 Chair.

2. IEEE Std 1541 IEEE Standard for Prefixes for Binary Multiples

By unanimous consent, SCC14 voting Members approved seeking a PAR for the revision of IEEE Std 1541. Jim Fysinger volunteered to be Working Group Chair and was appointed by the SCC14 Chair.

3. IEEE Std 260.4 American National Standard Letter Symbols and Abbreviations for Quantities Used in Acoustics

By unanimous consent, SCC14 voting Members approved seeking a PAR for the revision of IEEE Std 260.4. Gary Hoffman volunteered to be Working Group Chair and was appointed by the SCC14 Chair.

4. IEEE Std 260.1 American National Standard for Metric Practice

By unanimous consent, SCC14 voting Members approved seeking a PAR for the revision of IEEE Std 260.1. Jim Frysinger volunteered to be Working Group Chair and was appointed by the SCC14 Chair.

The final action of the meeting, the SCC14 Chair brought before the Attendees the WG P&P for SCC14.1 SI 10 that was deemed accepted by AudCom at their December 2015 meeting to seek a motion to approve the WG P&P with a change in title to WG P&P for SCC14. As a result, a motion was made, seconded and unanimously approved to approve the SCC14.1 SI 10 WG P&P with the new title of WG P&P for

SCC14. This will allow any WG sponsored by SCC14 to use this P&P to conduct their standard development activity.

4. Future Meetings

The SCC14 Chair at the May 23, 2016 advised that there will be a final SCC14 Meeting mid-November 2016 timeframe. The SCC14 Chair advised the attendees that a Doodle poll will be issue in the fall to set the date for the next SCC14 meeting.

5. Budget and Expenses

SCC14 has no funds, no operating expenses, does not collect dues and does not maintain a budget. Going forward, SCC14 will utilize IEEE-SA meeting tools such as join.me and imeetCentral. It is envisioned that these tools should be sufficient to carry out its Standards develop activities.