



## ***Standards and Advisory Coordination Committee (SACCom) Representative Report***



Date of Report:	4 Nov. 2016	Name of Representative:	R. C. Petersen
Representative's Position:	Executive Secretary/Treasurer SCC39		
Represented Technical Entity:	IEEE Standards Coordinating Committee 39/TC95		
Technical Entity Scope/Function:	The development of standards for the safe use of electromagnetic energy in the range of 0 Hz to 300 GHz relative to the potential hazards of exposure of man, volatile materials, and explosive devices to such energy. It is not intended to include infrared, visible, ultraviolet, or ionizing radiation.		
Current Activities of Entity:	<p><u>PC95.1:</u> Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic and Electromagnetic Fields, 0 Hz to 300 GHz.</p> <p>(Revising and merging IEEE C95.1-2005, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz" and IEEE C95.6-2002, "IEEE Standard for Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0–3 kHz.") (PAR extended through 31 December 2018.)</p> <p><u>PC95.3:</u> Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 300 GHz.</p> <p>(Revising and merging IEEE C95.3-2002, "Recommended Practice for Measurements and Computations of Electric, Magnetic and Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz," and IEEE C95.3.1-2010, "IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 100 kHz," i.e., the resulting standard will cover the 0 Hz to 300 GHz frequency range. (PAR extended through 31 December 2018.)</p>		
New Work Items proposed/approved:	<p><u>PC95.4:</u> A PAR was submitted for consideration at the December Standards Board meeting for a revision of IEEE C95.4-2002. The current standard expires 31 December, 2018.</p>		

Standards <sup>1</sup> /Revisions recently voted on <sup>2</sup> :	None since last report
Recently published Standards <sup>1</sup> :	<p><u>PC95.1-2345</u>: Standard for Military Workplaces—Force Protection Regarding Personnel Exposure to Electric, Magnetic and Electromagnetic Fields, 0 Hz to 300 GHz. (In NATO ratification process as the replacement for NATO STANAG 2345.) Published 30 May 2014—promulgate November 2015 as the replacement for NATO STANAG 2345 Ed 4.</p> <p><u>IEEE PC95.7-2014</u>: IEEE Recommended Practice for Radio Frequency Safety Programs, 3 kHz to 300 GHz. Revision of C95.7-2005—Published 8 August 2014.</p>
Scheduled Future Projects:	A new subcommittee (SC6) was established to resolve dosimetry issues/models at frequencies between 0 Hz and 300 GHz. The aim of the new SC is to resolve artifacts and other issues in modeling and dosimetry that lead to differences in the basic restrictions and exposure limits between various standards and guidelines (e.g., ICNIRP), especially at low frequencies, i.e., harmonization of international safety standards and guidelines. Initially, the focus is on approaches to resolve uncertainties related to the electrostimulation threshold at frequencies below 100 kHz. Work is also beginning on RF dosimetry modeling at frequencies where heating is the dominant interaction mechanism. Two new SC6 working groups were established: “Numerical Artifacts” and “Inter-comparison”.
Activities requiring technical support of the EMC-S:	None at this time
Activities requiring financial support of SACCom or EMC-S:	None at this time
Next Meeting:	The next SCC39 TC95 meeting series will be held at the Motorola Solutions facility, Plantation, FL, 10 – 13 January 2017.
Additional Comments:	<p>IEEE Std C95.1-2005, C95.1a-2010, C95.1-2345, C95.3-2002 (R2007), C95.3.1-2010, C95.6-2002 (R2007) and C95.7-2005, and C95.7-2014 are available at no cost through the IEEE Get Program at <a href="http://standards.ieee.org/about/get/index.html">http://standards.ieee.org/about/get/index.html</a></p>

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<sup>1</sup> If Standards were harmonized with other organizations, e.g. IEC-CENELEC, please advise)

<sup>2</sup> Please provide results of vote. If disapproved, please advise major reasons, if known