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/TC34
Technical Entity Scope/Function:	The development of product performance standards relative to the safe use of electromagnetic energy for specific products that emit electromagnetic energy at frequencies between 0 Hz and 300 GHz.
Current Activities of Entity:	IEC/IEEE P62704-1: Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz: General Requirements for using the Finite-Difference Time- Domain (FDTD) Method for SAR Calculations. (Jointly developed IEC/IEEE dual logo project – formerly IEEE P1528.1.) Sponsor ballot closed 27 October 2016; now in Ballot/Comment Resolution. IEC/IEEE P62704-2: Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices: Specific Requirements for Finite Difference Time Domain (FDTD) Modeling of Exposure from Vehicle Mounted Antennas. (Jointly developed IEC/IEEE dual logo project – formerly IEEE P1528.2.) Sponsor ballot closed 20 August 2016: now in Ballot/Comment Resolution. IEC/IEEE P62704-3: Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices, 30 MHz – 6 GHz: Specific Requirements for using the Finite-Difference Time-Domain (FDTD) Method for SAR Calculations of Mobile Phones. (Jointly developed IEC/IEEE dual logo project – formerly IEEE P1528.3.) Sponsor ballot closed 29 September 2016; now in IEEE Ballot/Comment Resolution. IEC/IEEE P62704-4: (Determining the Peak Spatial Average Specific Absorption Rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz. General requirements for using the Finite Element Method (FEM) for SAR calculations and specific requirements for modeling vehicle-mounted antennas and personal wireless devices. (IEC/IEEE dual logo project – formerly IEEE P1528.4.) In IEC Ballot.

New Work Items proposed/approved:	A PAR for a new TC34/SC2 project was submitted for consideration at the December 2016 Standards Board meeting: "Recommended practice for determining the power density of the electromagnetic field associated with human exposure to mobile devices and network equipment operating between 6 GHz and 100 GHz" (P1528.5). The intent is to move the project forward as an IEEE project and at some point submit it to IEC for consideration as a dual logo project. This was the process followed for the four dual-logo projects now under development by SCC39/TC34—P62704-1, -2, -3, and -4.
Standards[1]/Revisions recently voted on[2]:	The following IEC/IEEE projects are now in ballot: IEC/IEEE P62704-1: CDV – In Comment Resolution. IEC/IEEE P62704-2: FDIS – Target date: April 2017. IEC/IEEE P62704-3: FDIS – Target date: August 2017. IEC/IEEE P62704-4: CDV – Target date: May 2017.
Recently published Standards[1]:	IEEE 1528-2013 "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques. (Published September 2013.)
Scheduled Future Projects:	Possible: Combine revision of IEC P62209-1 with P62209-3 as a single standard, consider for adoption as a dual-logo IEC/IEEE standards project to replace IEEE 1528-2013 (issue as a jointly developed/dual logo standard). TC34 balloted and approved moving forward. An IEC TC106 Q document will be distributed – if approved by the national committees, a Project Authorization a Request will be submitted to the IEEE SA Standards Board for approval as a dual logo standard.
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:	TC34 Subcommittees meet regularly with the corresponding IEC TC106 PTs and MTs. Future combined meetings: TC34 SC1 and SC2 (in conjunction with IEC TC106 MT1), Plantation, FL, 16-18 January 2017.
Additional Comments:	There is a large overlap in membership of the TC34 Subcommittees and Working Groups with the IEC TC106 Project teams and Maintenance Teams. These groups usually meet concurrently to ensure that the resulting IEC

[1] If Standards were harmonized with other organizations, e.g. IEC-CENELEC, please advise)

[2] Please provide results of vote. If disapproved, please advise major reasons, if known

and IEEE standards are in harmony. As indicated above, four TC34 numerical calculation projects are now jointly developed IEC/IEEE standards projects.

As indicated above, approval will be sought to combine IEC Projects 62209-1 and -3 into a single project and seek status as a jointly developed standards project. If successful, the resulting standard will replace IEEE 1528-2013. The overall goal is a single international standard.