



Standards and Advisory Coordination Committee (SACCom)
Representative Report



Date of Report: 4 April 2019 Name of Representative: Jafar Keshvari

Representative's Position: IEEE/ICES Chairman

Represented Technical Entity: IEEE Standards Coordinating Committee SCC39/TC34

Technical Entity Scope/Function: The development of electromagnetic fields (EMF) compliance assessment standards concerning the products that emit electromagnetic energy at frequencies between 0 Hz and 300 GHz.

Current Activities of Entity:

Working Group & Project Reference	Project Leader	Status & Current Stage	Estimated Publication Date
IEC/IEEE 62209-1528 ED1 Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices (Frequency range of 4 MHz to 10 GHz)	Jafar Keshvari & Sami Gabriel	Approved for FDIS on December 2018	2019-11
IEC/IEEE 62704-4 ED1 Recommended practice for 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-Element Method (FEM) for SAR calculations and specific requirements for modelling vehicle-mounted antennas and personal wireless devices	Andreas Christ	Preparation of results of voting on CDV started on March 2019	2020-01

IEC/IEEE 62704-5 ED1 Determining the power density of the electromagnetic field associated with human exposure to wireless devices operating in close proximity to the head and body using computational techniques, 6 GHz to 300 GHz	John Roman	Preparation of Compilation of Comments Started on March 2019	2020-12
IEC/IEEE 63195 ED1 Measurement procedure for the assessment of power density of human exposure to radio frequency fields from wireless devices operating in close proximity to the head and body – Frequency range of 6 GHz to 300 GHz	Kai Niskala	Approved for CDV on March 2019	2020-06

**New Work Items
proposed/approved:**

Working Group & Project Reference	Project Leader	Status & Current Stage	Estimated Publication Date
IEEE 1528.7 "Guide to assess the EMF exposure of Internet of Things (IoT) technologies"	Andrea Schiavoni & Sami Gabriel	<ul style="list-style-type: none"> • The WG had F2F meeting on 27th March 2018 • The Draft Guide has been shared prior to the meeting and discussed during the F2F meeting. • The Guide assumed to identify gaps the current compliance methodologies and not offer solutions to all scenarios. • The due date for the IoT WG to start balloting of the draft is extended to Dec 2019. 	2020-03

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 Meetings:

- TC34 SCs and WGs will have joint meetings with the IEC TC106 PTs and MTs:
 1. 10-14 June 2019, Espoo-Finland
 2. Sep 2019, Tokyo-Japan
 3. Feb 2020, Brazil

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 and IEEE standards are in harmony.