

July 26, 2002

*Compilation of SACCom Representatives' Reports as of
July 26, 2002*

<p>CISPR H</p> <p>Title: Limits for the protection of radio services</p> <p>Representative: Werner Schaefer</p>	<p><u>Current activities:</u></p> <ol style="list-style-type: none"> a) Developing a rationale for the setting of emission limits above 1 GHz b) Questionnaire on the need for emission limits between 9 kHz and 150 kHz in the generic emission standards IEC 61000-6-3 and IEC 61000-6 c) Building a database on the characteristics of radio services d) Determining the necessity for radiated emissions limits in the frequency range 9 kHz to 30 MHz <p><u>New Work Items proposed/approved:</u></p> <ol style="list-style-type: none"> e) Maintenance of 61000-6-3 and 61000-6-4 (Emission standard for industrial environments) <p style="padding-left: 20px;">These are viewed as maintenance activities to 61000-6-3/4; therefore, no new work items need to be approved</p> <p><u>Additional Comments:</u></p> <p>The project related to establishing a rationale for the definition of limit lines has a significant effect on the determination of limits for measurements above 1 GHz. This project tries to establish the required protection ratios for digital communications systems</p>
<p>SAE</p> <p>Title: "Automotive EMC test standards for vehicle E/E systems as related to immunity"</p> <p>Representatives: Kin P. Moy</p>	<p><u>Current Activities:</u></p> <ol style="list-style-type: none"> a) Development of automotive standards for: <ul style="list-style-type: none"> • Immunity to conducted transients (power and signal lines) - Components • Immunity to Electrostatic discharge (ESD) - Components and Vehicle • Immunity to radiated disturbance - Components and vehicle • Emissions of conducted transients - Components <p><u>New Work Items proposed/approved:</u></p> <ol style="list-style-type: none"> a) EMC issues related to: <ul style="list-style-type: none"> • Electrical Vehicle • 42 Volt systems <p><u>Standards/Revisions recently voted on:</u></p> <ol style="list-style-type: none"> a) ISO 10605 "ESD" b) ISO 11452 "Immunity to radiated disturbance - components" Part 1-7 c) ISO 11451 "Immunity to radiated disturbance - vehicle" Part 1-4 d) ISO 7637 "Immunity to conducted transients (power & signal lines) and Emissions of conducted transients (power lines) - Components" Part 1-3 <p><u>Recently published Standards</u></p> <ol style="list-style-type: none"> a) Same as above <p><u>Scheduled Future Projects:</u></p> <ol style="list-style-type: none"> a) Revision of ISO 10605 to harmonize with IEC 61000 (ESD) b) Coordinate development activities with 2 new working groups within SC3: WG 13 (Environmental conditions) & WG14 (42 Volt systems)

<p>ISO TC-20, SC14, WG1</p> <p>Title: "Space Systems EMC"</p> <p>Representatives: Noel B. Sargent</p>	<p><u>Current Activities:</u></p> <p>a) EMC Space Systems Standard publication pending – expected late 2002</p> <p>b) Working draft of New Work Item on equipment level test methods deferred 1 year</p> <p><u>New Work Items proposed/approved:</u></p> <p>a) NWI 214 – Equipment level test methods</p> <p><u>Standards/Revisions recently voted on:</u></p> <p>a) DIS 14302 "Space Systems – Electromagnetic compatibility requirements" Approved unanimously</p> <p><u>Scheduled Future Projects:</u></p> <p>a) NWI 214 – Equipment level test methods: deferred to 2003</p>
<p>IEEE SCC34</p> <p>Title: "Product performance Standards Relative to the Safe use of Electromagnetic Energy"</p> <p>Representative: R. C. Petersen</p>	<p><u>Current activities:</u></p> <p>a) Recommended Practice P1528 - Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques</p> <p><u>New Work Items proposed/approved:</u></p> <p>a) Working group established to address body-mounted devices</p> <p><u>Standards/Revisions recently voted on:</u></p> <p>a) P1528 – Approved by Working Group (Subcommittee 2) and should be moved to SCC-34 for Sponsor ballot in April. (Harmonized with IEC TC106 RT62209 - Procedure to determine the Specific Absorption Rate (SAR) for hand-held mobile telephones in the frequency range of 300 MHz to 3 GHz Category "D" Liaison with IEC being investigated</p> <p><u>Scheduled Future Projects:</u></p> <p>a) P1529 - Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Computational Techniques</p>
<p>IEC TC106</p> <p>Title: "Assessment of Human Exposure to Electric, Magnetic and Electromagnetic Fields, 0-300 GHz"</p> <p>Representative: R. C. Petersen</p>	<p><u>Current activities:</u></p> <p>a) PT62226: Calculation methods of induced current in human body by electric or magnetic fields in low and intermediate frequency range (CD)</p> <p>b) PT62209: Procedure to determine the Specific Absorption Rate (SAR) for hand-held mobile telephones. (Harmonized with IEEE P1528) – (CDV in preparation)</p> <p>c) PT62232: Assessment of human exposure to EM fields from base stations for mobile telephones</p> <p>d) PT62233: Measurement methods for low frequency magnetic and electric fields of domestic appliances with regard to human exposure (CD)</p> <p><u>New Work Items proposed/approved:</u></p> <p>a) PT62311: Generic product standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz - 300 GHz) (Approved)</p> <p>b) Document 85/214/CD (CENELEC): Measurement and evaluation of high frequency (9 kHz to 300 GHz) electromagnetic fields with regard to human exposure. (Transferred from CENELEC)</p> <p><u>Scheduled Future Projects:</u></p> <p>a) Amendment to PT62209 to include body-mounted radios – approved and begun working with IEEE SCC34 to establish Category D Liaison"</p>

