

*Compilation of SACCom Representatives' Reports as of
March 13, 2003*

<p>CISPR B</p> <p>Title: Interference Relating to Industrial, Scientific, and Medical Radio Frequency Apparatus</p> <p>Representative: Daniel D. Hoolihan</p>	<p><u>Current Activities</u></p> <p>There was a Working Group 1 meeting of CISPR B in Zurich on February 17 and 18. It was attended by Wayne Hunter of the US TAG. Highlights of his trip report are as follows:</p> <ol style="list-style-type: none"> a) The WG is performing maintenance cycle work on CISPR 11. Arc welders will remain in Group 2 for the present time. Resistance welders will be in Group 1. b) Large Power Drive Systems are being proposed to be restricted to a conducted emissions limit of 50dBuV. c) A new Scope statement for CISPR 11 is proposed – “Procedures are given for the measurement of radio-frequency disturbances and limits shall be restricted to the frequency range of 9 kHz to 400 GHz.” d) A new definition for ISM equipment is being discussed – “Equipment or appliance designed to generate and/or use locally electromagnetic energy for industrial, scientific, medical or similar purposes at any frequency in the range 0 Hz to 400 GHz, or at any frequency in the range 9 kHz to 400 GHz for equipment intended for use in residential (domestic) establishments excluding applications in the field of telecommunications and information technology and other applications covered by other CISPR publications.” e) New definition for Group 1 ISM equipment is being discussed – “Group 1 contains all ISM equipment in which electromagnetic energy is generated and/or used for the internal functioning of the equipment itself at frequencies within the frequency range 0 Hz to 400 GHz, and/or for the treatment of material at frequencies within the frequency range 0 Hz to 9 kHz.” f) New definition for Group 2 ISM is being discussed – “Group 2 contains all ISM equipment in which radio-frequency electromagnetic energy in the frequency range 9 kHz to 400 GHz is intentionally generated and/or used in the form of inductive, capacitive, or electromagnetic radiations for the treatment of material , and Electro-Discharge Machining (EDM) equipment and arc welding equipment.” <p><u>Scheduled Future Projects:</u></p> <p>Several white papers are being generated on various topics for the next meeting in Seoul in September.</p>
<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) Establishing a survey of EMC product standards on emission measurements (will be TR CISPR 33) b) Defining a rationale for the setting of emission limits (will be TR CISPR 32) c) Establishing a database on the characteristics of radio services (will be TR CISPR 31) d) Compiling an archive of justifications of product limits that exceed generic limits (will be TR CISPR 34) e) 61000-6-3: Generic standards - Section 3: Emission standard for residential, commercial and light-industrial environments

	<p>f) 61000-6-4: Generic standards - Section 4: Emission standard for industrial environments</p> <p><u>Additional Comments:</u></p> <p>The current projects are either maintenance projects or, to a lesser degree, technical. Only the projects on defining a rationale for the definition of limits and the generic emissions standards have a direct impact on product committees. The currently proposed interference model will be revised, due to the many comments received. The generic emissions standards are still at the CD stage (the second CD is currently prepared)</p>
<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) Develop Space System standards to aid in the exchange of data for international programs</p> <p><u>New Work Items proposed/approved:</u></p> <p>a) WD23037 – EMI Test Methods</p> <p><u>Recently Published Standards:</u></p> <p>a) ISO14302 – Space Systems Electromagnetic Compatibility Requirements, 2002-12-15 Vote closed 17 OCT 01 approved unanimously</p> <p><u>Scheduled Future Projects:</u></p> <p>a) NWI 214 – Equipment level test methods</p>
<p>IEC TC77 & ACEC</p> <p>Title: "Standardization in the field of EMC"</p> <p>Representatives: Prof. Michel Ianoz</p>	<p><u>Current Activities:</u></p> <p>SC77B and 77C:</p> <p>a) Development of basic and generic EMC standards, b) Horizontal function by providing product committees with specific input related to EMC</p> <p>ACEC:</p> <p>a) Harmonize the EMC work between IEC TCs</p> <p><u>Standards/Revisions recently voted on:</u></p> <p>SC77C</p> <p>a) 61000-1-5: "High Power Transient Phenomena - High power electromagnetic (HPEM) effects on civilian systems": the Comments CC-130-P1-5 to 77C/130/CD have been answered.</p> <p>b) 61000-2-13: "High Power Transient Phenomena - High power electromagnetic (HPEM) environments – radiated and conducted": the Comments CC-133A to 77C/133A/CD have been answered.</p> <p>c) JWG 77B/77C. The task of this JWG is to write Annex C on an Oscillatory test at frequencies higher than 1 MHz for 61000-4-12 "Oscillatory waves immunity test".</p> <p>The JWG held a meeting in Lausanne on February 26 and 27, 2003 and wrote a first draft of Annex C. This draft will be included in the revised 61000-4-12 by WG11 of SC77B, after its meeting in autumn 2003.</p>
<p>Information Technology Industry Council (ITIC), TC5</p> <p>Title: EMC in Information Technology Equipment</p> <p>Representative: Ghery S. Pettit</p>	<p><u>Current activities:</u></p> <p>The following issues are on the agenda for 2003 in ITI TC5 –</p> <p>a) Suspension of CISPR 22: 1998 – Amendment 1: Ferrite Clamps: ITI TC5 supports efforts on-going in Europe to further delay the implementation of EN 55022:1998 while waiting for CISPR SC I to update CISPR 22 to fix known problems with the telecommunication port conducted emissions tests. As a side effect of this work, we also are supporting the delay in implementing Amendment A1:2000 to EN 55022:1998 (ferrite clamps)</p> <p>b) Amendments to CISPR 22 – telecom port conducted emissions limits</p>

	<p>(< 30 MHz): ITI-TC5 is tracking the work in CISPR SC I to fix the problems with telecom port conducted emission in CISPR 22 so that a revised EN 55022 may be published.</p> <p>c) Mexican EMC Requirements: Mexico is developing their own EMC approval process. The product standard is based on CISPR 22. The proposed approval process will require testing in Mexico in an approved lab. There is only one such lab in the country at this time. In addition, all other NOMs must be met before application can be made for EMC approval. A serial process where a parallel process should be implemented.</p> <p>d) Chinese EMC Testing Requirements (permit manufacturers to test w/o supervision): At present the Chinese require testing in China, or in certain circumstances at a manufacturer's lab. If testing is performed in the manufacturer's lab, it must be witnessed by Chinese representatives. ITI TC5 is working to have this requirement removed.</p> <p>e) Korean EMC Testing (permit testing outside Korea): At present, testing must be performed in Korea. ITI TC5 is working to have this requirement removed.</p>
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