



November 8, 2001

## **Compilation of SACCom Representative Reports**

<p><b>CISPR B</b></p> <p>Title: "Industrial, Scientific, and Medical Radio Frequency Apparatus"</p> <p>Representative: Dan Hoolihan</p>	<p><u>Current Activities:</u></p> <ul style="list-style-type: none"><li>a) The U.S. CISPR/TAG reviewed the results of the CISPR/B meeting held in Bristol, United Kingdom in June of 2001.</li><li>b) A new chairman has been selected for CISPR B – Anton Kohling – Siemens – Germany.</li></ul> <p><u>New Work Items proposed/approved:</u></p> <ul style="list-style-type: none"><li>a) ISM products operating just below 9kHz are drawing increased attention from regulators and may have to be addressed via a standard change.</li><li>b) CISPR/B/263/Q is a questionnaire that has been distributed to B members asking whether they should consider a change in the scope and definitions of CISPR 11. (The U.S. TAG answered "yes" to both changes).</li><li>c) CISPR/B/260/DC was disseminated for comments to CISPR B; it came from TC 22 and it addresses a revision of IEC 61800-3 – Adjustable speed electrical power drive systems – Part 3: EMC Requirements and Specific Test Methods. The U.S. TAG is still discussing its comments on this document.</li></ul> <p><u>Scheduled Future Projects:</u></p> <ul style="list-style-type: none"><li>a) CISPR/B/265/CD on microwave powered ultraviolet irradiators. This CD proposes to change CISPR 11 to clarify the regulation of microwave powered ultraviolet irradiators.</li></ul> <p><u>Additional Comments:</u></p> <ul style="list-style-type: none"><li>a) Next meeting of the U.S. TAG is scheduled for April 8, 2002</li></ul>
<p><b>CISPR H</b></p> <p>Title: Limits for the protection of radio services</p> <p>Representative: Werner Schaefer</p>	<p><u>Current activities:</u></p> <ul style="list-style-type: none"><li>a) Developing a rationale for the setting of emission limits</li><li>b) Conducting a survey of EMC product standards on emissions</li><li>c) Building an archive of justification of limits that exceed the generic emissions limits</li></ul> <p><u>New Work Item:</u></p> <ul style="list-style-type: none"><li>d) None</li></ul> <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><b>CISPR I</b></p> <p>Title: "Information Technology and multimedia"</p> <p>Representative: Don Heirman</p>	<p><u>Comments:</u> The officers of the relatively new CISPR I are:</p> <p><b>Chair: Martin Wright of BT (UK)</b> <b>Secretary: Kenji Okazaki of Sony (JP)</b></p> <p><b>WG1 (old CISPR E)</b> Chair: Henk Kolk of Philips (NL) Secretary: Prof. E. Nano of Torino (IT)</p> <p><b>WG2 (Multimedia)</b> Chair: Ron Storrs of Swedish Telecom (SW) Secretary: Dave Traver of Sony (USA)</p> <p><b>WG3 (Pub 22)</b> Chair: John Lichtig of Lichtig EMC Consulting (USA) Secretary: Steve Scott or IBM (UK)</p> <p><b>WG4 (Pub 24 and meas above 1 GHz)</b> Chair: John Davies of Celestica (UK) Secretary: Christian Verholt, consultant for Danish Standards Association (DK).</p>
<p><b>Tri-Service Mil-Specs/ Defense Department</b></p> <p>Title: DoD EMC Lead Standardization Activity</p> <p>Representative: Brian Farmer</p>	<p><u>Current activities:</u></p> <p>a) 5 year TriService review of MIL-STD-464, Electromagnetic Environmental Effects for Systems, underway. Anticipate DoD coordination of service comments by approximately March/April 2002.</p> <p>b) Released MIL-HDBK-237C, E<sup>3</sup> and Spectrum Certification Guidance for the Acquisition Process, dated 17 July 2001</p> <p>c) Developing MIL-HDBK-XXX, "HERO TEST Guide" to be published March/April timeframe</p> <p><u>Recently Published Standards</u></p> <p>a) MIL-HDBK-237C (not harmonized)</p> <p><u>Scheduled Future Projects:</u></p> <p>a) MIL-HDBK-XXX, HERO Test Guide</p>
<p><b>IEEE ICES (SCC28)</b></p> <p>Title: "Development of safety standards for human exposure to electromagnetic energy"</p> <p>Representative: David Baron</p>	<p><u>Current activities:</u></p> <p>a) Winter meeting of SCC28 scheduled: 1-3 December, Luxembourg.</p> <p>b) SC4 (Safety Levels with Respect to Human Exposure, 3 kHz-300GHz) Working Group Meeting scheduled for 10-11 January, Ft Lauderdale, FL</p>
<p><b>ITI TC5</b></p> <p>Title: "Information Technology Industry Council committee on EMC"</p> <p>Representative: Ghery S. Pettit</p>	<p><u>Recent Activities:</u></p> <p>a) Provided input to the FCC which incorporated as part of a recent Notice of Proposed Rulemaking</p> <p>b) Requested that the FCC consider allowing the use of the test methods in CISPR 22 when testing to the limits in CISPR 22. This is particularly important in light of Amendment 1 to CISPR 22 which requires ferrite clamps on cables leaving the turntable when testing tabletop equipment, something not called out in ANSI C63.4-2000.</p>

## IEC TC77

Title:

“Standardization in the field of EMC”

Representatives:

Prof. Michel Ianoz

### Current Activities:

- a) SC77B and 77C :
  - Development of generic EMC standards,
  - Horizontal function by providing product committees with specific input related to EMC
- b) ACEC:
  - Harmonize the EMC work between IEC TCs

### Standards/Revisions recently voted on:

- a) No new documents produced by 77B in the period July – November 2001
- b) No new documents produced by 77C in the period July – November 2001.

### Scheduled Future Projects:

Decisions taken during the IEC SC77B meeting in Florence (01/10/16) :

- a) WG9 will produce a 2CD for IEC 61000-4-2 Edition 2 with the rationale attached
- b) WG10 will continue the project IEC 61000-4-3 A3 f5: Amendment to IEC 61000-4-3 – Revision of the calibration procedure and verification of the correct application of the modulation during the test.
- c) The TEM cells item will be dealt with in IEC 61000-4-20 and the current annex D of IEC 61000-4-3 remains as it is.
- d) One or two experts from each of WG11 and TC81 will meet at short notice in order to present their views on what could be done in IEC 61000-4-5 to fulfill TC81's requirement. Their written contribution will have to be given before the end of year 2001.
- e) To have 2 new task forces between SC 77B and CISPR/A regarding uniform arrangement for emission and immunity testing, and radiated emission and immunity measurements in Fully Anechoic Rooms (FAR).
- f) IEC 61000-4-12 will be either split up into sub-parts (-12-1, -12-2, ...), or structured with a common part and normative annexes dedicated to each phenomenon dealt with in the standard.
- g) Liaisons with TC 81, 101, CISPR/A, and CIGRE are confirmed

### Additional Comments:

- a) ACEC September 2000 meeting decision:
    - Nominate Prof. M. Ianoz coordinator of the Product Standard review process.
  - b) ACEC September 2000 meeting recommendations:
    - The Central Office of the IEC is invited to negotiate an agreement with ISO as soon as possible
- a) Harmonization work of ESD standards between 77B and TC101 is noted with satisfaction