

General Systems Subcommittee  
Harmonics Working Group  
July 16, 2001, Vancouver, British Columbia  
Hyatt Regency, Peacocks Lounge, 4:00 – 6:00 p.m.

1. Introductions: The meeting was called to order at 4:00 p.m.
2. Minutes: The minutes were posted on the Harmonics WG home page in IEEE.
3. Task Force Reports:
  - 3.1. IEEE Standard 519A: Mark McGranaghan reported that Standard 519 is ready for ballot.
  - 3.2. IEEE Standard 519 Revisions: Mark Halpin and Allan Ludbrock reported that the goal is to develop a draft of the revisions to 519 by the Spring of 2002. An extension will probably be required since the PAR for Standard 519 will expire in 2002. An effort is being made to coordinate with IEC, CIGRE, and CIREN.
  - 3.3. Harmonic Modeling and Simulation: Wilson Xu  
The Task Force members and the Chair, Wilson Xu, were congratulated for winning a Task Force Award. Their award will be received at Tuesday's, July 17, 2001 Awards Luncheon. Wilson reported that the Task Force is working on two papers: one on Harmonic Source Modeling and the other on Load Modeling. The Task Force is also preparing a publication of approximately 50 papers on Harmonic Modeling & Simulation.  
  
Wilson has decided to step down as Chair of this Task Force, but will continue as a member of the Task Force. The Working Group thanked Wilson for his leadership and dedication. The new Chair is Gary Chang.
  - 3.4. Probabilistic Aspects of Harmonics – Paulo Ribeiro  
Paulo reported that the Task Force has not made much progress in 18 months. The Task Force is preparing material for Standard 519 Revision on an Approach for Limits on Time Varying Harmonics.
  - 3.5. Interharmonics – Erich Gunther  
Erich reported that the Task Force is preparing material for Standard 519 Revision on a Recommended Approach for Limits on Interharmonics.
  - 3.6. Harmonic Limits for Single Phase Equipment – Dan Ward  
No report was given.

- 3.7 LV Active Harmonic Filters – Chuck Gougler  
Chuck reported low attendance at past Task Force meetings. Chuck has prepared an initial draft of the PAR which is available from Chuck and will be posted on the Harmonics W.G. website. Anyone interested in participating on the Task Force should contact Chuck.

#### 4.0 Liaison Reports

- 4.1 ICHQP Executive Committee – Paulo Ribeiro  
Paulo reported that the 10<sup>th</sup> ICHQP Conference, Oct. 6-9, 2002 in Rio de Janeiro is progressing very well.

The 11<sup>th</sup> ICHQP Conference, scheduled for 2004, is still undecided. We have three proposals: Vancouver, Lake Placid and Montreal. The initial ballot produced a tie between Vancouver and Lake Placid. A revote between Vancouver and Lake Placid will be taken by the end of July.

The 12<sup>th</sup> ICHQP will be held in 2006 in Portugal.

- 4.2 IAS Harmonics W.G. – Mark Halpin  
Mark reported that the IAS Harmonics W.G. will not be meeting at the IAS Interim Conference due to lack of participation, but will still meet at the IAS Annual Meeting.
- 4.3 IAS Power Quality Subcommittee – Don Ruthman  
Mark Halpin reported that the IAS Power Systems Engineering Committee is reorganizing. The Power Quality Subcommittee is planned to be moved to the Power Systems Engineering Committee to better consolidate all Power Quality recorded IAS activities. However, this move has not been finalized.
- 4.4 LV & HV Filter Working Group – Don Ruthman  
Don reported that Standard 1531 was balloted in May 2000. Numerous comments were received. The Working Group is meeting on Tuesday, July 17, 2001 to address the comments.
- 4.5 P1433 – Tim Unruh  
SCC22 decided that this document on Power Quality Definitions will reside and be updated on its web site.
- 4.6 SCC22 – Mark McGrahghan  
Mark reported that the Committee is working on improved coordination with IEC Working Groups. There is an opportunity for IEEE to participate in different Working Groups of IEC SC77A.

PES Management has been discussing improved coordination of SCC22 activities with PES. Don Valska has proposed a Power Quality Committee under PES to improve coordination of Power Quality Standards with SCC22. This proposal is being discussed this week with the affected entities.

- 4.7 CIGRE/CIRED/UIE 36.05 WG-2 – Erich Gunther  
Erich reported that UIE has joined this Working Group Alliance that develops fundamental input related to voltage quality issues.

Published Technical Reports

1. Comprehensive Test Protocol for Flicker Meters (61000-4-15)
2. Comments on PEN Proposal Standards, 61000-4-7, 61000-4-30 (SC77A; WG 9)
3. Technical report in Electra – Recommendations for Tabulating RMS Variations.
4. There are ten new reports under development.
5. Economics of Customer Power is approved for publication in Electra.

Information for this effort can be found on website [www.ccu2.org](http://www.ccu2.org)

5.0 Future Panel Sessions

- 5.1. IEEE 519A – Mark Halpin will coordinate for Winter 2002 PES meeting.
- 5.2 Probabilistic Methods for Evaluating Harmonics – Paulo Ribeiro will coordinate for Winter 2002 PES meeting.
- 5.3 Power Quality Indices – Matt Bollen will coordinate for the Winter 2002 PES meeting. The panel session is expected to be jointly sponsored by SCC22 and Harmonics Working Group.
- 5.4 Harmonic Measurement Methods – Erich Gunther will coordinate for Summer 2002 PES meeting.