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Meeting Minutes
IEEE P1100 Working Group
Revision to Emerald Book IEEE Std 1100-1992

1995 I&CPS Annual Technical Conference
San Antonio, Texas
May 8, 1995

1.0 Call to Order

The meeting was called to order by T. Gruz with 22 members and 2 guests in attendance. All members and guests introduced themselves and an attendance sheet was passed around. The attendance list is attached to the minutes

2.0 Approval of Minutes from Last Meeting

A motion to approve the minutes from the last meeting held on October 3, 1994 during the IEEE Industry Applications Society Annual Technical Conference in Denver, Colorado was passed with the following note:

William Bush is not co-chairperson for Chapter 9 as indicated in Section 3.9 -
(Chapter Status Reports - Chapter 9).

******The motion passed******

3.0 Chapter Status Report

Status reports were made by the chapter chairmen for Chapter 2 through Chapter 10. Due to a change in the working group meeting date and conflict with the Power Quality Assurance Conference, a number of chapter chairpersons were not able to attend the working group meeting.

3.1 Chapter 2 - Definitions

Chapter Chairman : Carl Becker

The chapter status report was made by Carl Becker:

- SCC22 is forming working group to discuss definition of terms.
- Chapter chairpersons should supply Carl with key words from their chapter that need to be defined in his chapter (including acronyms).
- Tom Gruz will send a copy of each chapter (via electronic media to Carl as they are completed).

3.2 Chapter 3 - General Needs Guidelines

Chapter Co-Chairmen : Tom Key / Francois Martzloff

The chapter status report was made by Tom Gruzs in the absence of Tom Key and Francois Martzloff:

- Tom Key does not expect any major changes to the chapter and a first draft will be issued by the next working group meeting in October, 1995.

3.3 Chapter 4 - Fundamentals

Chapter Chairman : Ray Waggoner

The chapter status report was made by Tom Gruzs in the absence Ray Waggoner:

- Ray Waggoner expects a first draft will be issued by the next working group meeting in October, 1995.

3.4 Chapter 5 - Instrumentation

Chapter Chairman : Doug Dorr

The chapter status report was made by Tom Gruzs in the absence of Doug Dorr:

- A final draft of the chapter was issued to those members interested in commenting on the draft.
- Doug Dorr needs assistance from anyone having additional information that might be included under EMI and RFI measuring equipment used during site investigation.

*******REMINDER*******

Each chairperson must adhere to the IEEE copyright requirements which include marking all drafts with IEEE copyright notices.

3.4 Chapter 6 - Site Surveys and Site Power Analysis

Chapter Chairman : Ken Michaels

The chapter status report was made by Ken Michaels.

- The second draft of the chapter was issued to members who expressed interest in contributing to and/or commenting on the chapter.
- Ken expressed that the chapter needs to expand on measurements of harmonics and EMI/RFI .
- The term "AC power distribution" was changed to "premises wiring system" throughout the chapter.
- The installation of current transformers was added to various instrumentation connection diagrams in the chapter.
- Ken stated that the survey/data sheets must be re-formatted.
- Systematic procedure flowchart was added to chapter.
- Five new references were added to Reference section.
- Table 6-1 was added to supplement the impedance measurements. A discussion followed concerning the applicability and origin of this table.
- A discussion followed regarding that the NEC does not provide minimum recommended equipment grounding conductor sizes when the conductor

- supplements electrically continuous metallic conduit or raceway system.
- A discussion followed regarding equipment grounding conductor impedance and neutral conductor impedance measurements, and the lack of phase conductor impedance measurements in the chapter.
 - Ken requests all comments to be submitted to him by May 31, 1995. He expects to complete the final draft of the chapter by mid-June.
 - Doug Dorr will be responsible for working on Appendix A.

3.5 Chapter 7 Case Histories

Chapter Chairman : Don Zipse

No chapter status report was made in Don Zipse's absence.

The following motion was made by Chris Melhorn and seconded by Ed Cantwell.

Motion

To move the current Chapter 7 (Case Histories) to the rear of the Emerald Book.

******The motion passed******

3.6 Chapter 8 - Specification and Selection of Equipment and Materials

Chapter Chairman : Vladi Basch

The chapter status report was made by Tom Gruz in the absence of Vladi Basch:

- Vladi wants to include additional power conditioning equipment discussion in chapter.
- Vladi wants to have draft completed in time for the October meeting.
- Vladi is soliciting contributions from members on the newer technologies and suggested revisions to existing chapter.

3.7 Chapter 9 - Recommended Design/Installation Practices

Chapter Chairman : Ed Cantwell

The chapter status report was made by Ed Cantwell:

- There are currently 10 active people working on the chapter.
- The first draft was not completed due to late responses/comments from working group participants.
- The first draft is expected to be issued by late July, 1995
- Comments on the first draft (when submitted) should be returned prior to next working group meeting in October, 1995.

3.8 Chapter 10 - Distributed Computing and Telecommunications Systems

Chapter Chairman : William Bush

The chapter status report was made by William Bush: (William Bush has replaced John Curlett as chapter chairperson since the last meeting in October, 1994)

- A chapter outline was submitted by William Bush.
- Information was supplied to William Bush by Percy Poole and Warren Lewis.
- William Bush announced that a T1E1 meeting is scheduled for the second week of July and would like copies of all chapter drafts to begin coordination.
- A discussion followed concerning the contents of this chapter, specifically that this chapter is expected to supplement Chapter 9 and that the chapter will cover not only telephone systems but also distributed networks.
- William Bush stated that any members interested in participating in

developing this chapter should contact him.

- The first draft of chapter is expected to be issued by late July, 1995.

4.0 Review of Working Group Milestones

T. Gruzs re-iterated that chapter chairpersons submit drafts to him and participating members prior to the next working group meeting. In general, the working group is behind schedule as set forth in the table of expected goals that was developed by the working group at the 1994 I&CPS Annual Technical Conference in Irvine, California. This table is included in the meeting minutes for that conference. Chapter drafts were to be complete for all chapters by the May 1995 meeting. The only chapter drafts submitted were for Chapter 5 (Instrumentation) and Chapter 6 (Site Surveys and Site Power Analysis). Copies of the other chapters will be mailed to those who requested copies in the May meeting response.

5.0 IEEE Standards Process Automation Project SPAsystem

A handbook on the above subject matter was handed out to each chapter chairperson that was present. This handbook describes using the network to gain access to the IEEE Standards. Tom Gruzs inquired whether any working group members would be interested in attending a standards Development Seminar during the IAS meeting. Announcement of the (free) standards seminar will be included with the meeting notice. All chapter chairpersons are encouraged to attend.

6.0 New Business

6.1 Call For Papers for 1996 I&CPS and IAS Annual Technical Conferences

- Ken Michaels stated that he may present a paper for May, 1996 I&CPS Conference.
- William Bush stated that he may present a paper for May, 1996 I&CPS Conference with Percy Poole.

*******REMINDER*******

Authors must send titles and a one/two paragraph abstract of their paper by no later than June 16, 1995 to:

James M. Daly
Vice Chairman-Technical
IEEE/IAS I&CPS Department
BICC Cables Corp.
One Crossfield Avenue
West Nyack, NY 10994
FAX: 914-353-4032

6.2 Coordination/Liaison Update/Status

- William Bush will supply names and addresses for ANSI/EIA/TIA TR41.7 and BICSI EMC liaisons to Tom Gruz.
- Tom Gruz will follow-up on other organizations listed for coordination on the PAR.

7.0 Chapter Draft Reviews and Work Assignments

All working group members should contact their respective chapter chairman to discuss specific work assignments so that significant progress can be made between working group meetings.

8.0 IAS Annual Technical Conference Meeting

The next working group meeting is planned to be held during the IAS Annual Technical Conference in Orlando, Florida on Monday, October 9, 1995.

9.0 Meeting Adjourned

A motion to adjourn the working group meeting was made by Ed Cantwell and seconded by Chris Melhorn.

******The motion passed******