



Discussions were held on the use of TVSS and SPD. It was the opinion of the working groups that both acronyms could be used in the current edition of the draft provided they are defined in this chapter. More coordination is needed with other standards like UL, IEC, and ANSI.

#### **4.2 Chapter 3 - Tom Key - General Needs Guidelines**

The latest draft, draft 2, was distributed at the working group meeting. This draft incorporates previous comments from members and new figures.

#### **4.3 Chapter 4 - Ray Waggoner - Fundamentals**

Ray was not present at the meeting. Warren Lewis turned in an original copy of the latest draft of Chapter 4. This draft does not include figures and the references have not been updated. Major changes in the draft include the addition of high frequency and low frequency noise. These two items will be defined in Chapter 4 and examples given. The next draft for Chapter 4 is due on October 25, 1996.

#### **4.4 Chapter 5 - Doug Dorr - Instrumentation**

Doug was not present for the meeting but Tom Key reported that Chapter 5 is complete. Any modifications to the chapter should be given to Doug as soon as possible.

#### **4.5 Chapter 6 - Ken Michaels - Site Surveys and Power Analysis**

Ken reported that Chapter 6 is complete. Comments received over the past few weeks have not been incorporated. The only changes that remain are grammatical changes.

Ken would like input on where the discussion of power quality consultant software should be placed in the chapter. If it is not relevant to Chapter 6, then where should this discussion be placed?

#### **4.6 Chapter 7 - Don Zipse - Case Histories**

Don was not present at the meeting. Don will submit a final version of Chapter 7 to Tom Gruzs shortly after the meeting. There were no major changes to this draft.

#### **4.7 Chapter 8 - Vladi Basch - Specification and Site Selection of Equipment and Materials**

Vladi was not present at the meeting. Tom Gruzs reported that there were no changes to the chapter since the last circulation.

#### **4.8 Chapter 9 - Mike Butkiewicz - Recommended Design and Installation Practices**

Mike was not present at the meeting. Tom Gruzs read a letter from Mike to the working group. This letter explained the changes to the chapter and is attached to the minutes.

Discussion was held on comments submitted by Warren Lewis (see minutes from I&CPS meeting in New Orleans). Warren has added information to Chapter 4 to compensate for the deleted information from Chapter 9 and Chapter 10. The theory will be discussed in Chapter 4 and the description of these problems (high and low frequency noise) will need to be addressed in Chapter 10.

#### **4.9 Chapter 10 - Bill Bush - Distributed Computing and Telecommunications Systems**

Bill Bush was not present at the meeting but he did submit a letter to Tom Gruz containing comments and concerns regarding Chapter 10 which is attached to the meeting minutes.

Bill submitted a request that the definition of the term Power Quality be changed. Discussion was held on changing the definition of Power Quality. It was decided that the definition should include wording to explain that power quality is bi-directional.

Original definition of power quality:

*The concept of powering and grounding sensitive electronic equipment in a manner that is suitable to the operation of that equipment.*

A motion was made to change the definition of the term power quality from the original to the following:

New definition of power quality:

*The concept of powering and grounding electronic equipment in a manner that is suitable to the operation of that equipment and compatible with the premise wiring system and connected equipment.*

After much discussion and re-wording, the motion passed unanimously.

Suggestions were made to move the references for this chapter either to the end of the chapter or to an annex.

With the deadline for balloting the new edition of the Emerald approaching rapidly, discussion was held concerning the status of Chapter 10. Three plans of attack were discussed.

1. If consensus can not be reached on chapter 10, it can be included in the balloted copy of the final document as an informative annex.
2. If the chapter is not complete and other parts of the final document are in trouble, the working group could apply for an 18 month extension in May.
3. If Chapter 10 is not ready for publication, it could be omitted.

Discussions were held on trying to enlist some outside help for Chapter 10. This outside help would need to be compensated in some fashion to ensure that the working groups meets the 1997 deadline. No action was taken on this item.

## **5.0 Working Group Milestones**

Updated chapter drafts will be distributed with the meeting minutes to the interested parties. All comments need to be submitted to the chapter chairs as soon as possible, but no later than Nov. 30th. The working group intends to ballot the final document in early 1997. Final chapter drafts, including all figures need to be completed and ready for ballot by Dec. 31st.

## **6.0 New Business**

### **6.1 Ballot Committee Review**

The balloting group has been determined and authority has been delegated by the PSEC. Tom Gruz has a list of the balloting group.

### **6.2 Call for Papers for 1997 IAS Meeting**

A solicitation for technical papers for the 1997 IEEE IAS and 1998 I&CPS conferences was made. No respondents at this time. If you would like to submit a paper for these conferences, please contact Tom Gruz.

### **6.3 Coordination/Liaison Updates/Status**

Preliminary drafts of available chapters have been distributed to all identified coordinating groups except for P1159. Need contact person for P1159. Chris Melhorn to furnish.

## **7.0 Chapter Roster Updates**

Chapter chairmen are requested to provide updated chapter rosters of active participants to Tom Gruz for inclusion in the listing of the next edition of the Emerald Book.

## **8.0 Next Meeting**

The next meeting of the IEEE P1100 Working Group (Emerald Book) will be during the 1997 IEEE I&CPS Technical conference. This conference will be held during the week of May 12, 1997, in Philadelphia, PA. The working group meeting is typically on Monday. The date, time, and place will be distributed to working group members when they have been finalized. A 4 hour meeting time has been requested in anticipation of the P1100 ballot to allow time to resolve any negative ballots.

## **9.0 Meeting Adjournment**

A motion was made and seconded to adjourn the meeting. The motion passed unanimously.