

IEEE Power Electronics Society
Electronics Transformer Technical Committee
Minutes of the Meeting on October 5 & 6, 1998

STEERING COMMITTEE

Chairman: Matthew Wilkowski

The meeting was called to order at 2:40 PM on Monday October 5, 1998. The members present were Charles Elliot, Bob Sell, Paul Goethe, Bruce Thackway, Bob Beers, and John DeCramer. David Ratliff attended the meeting as an observer.

The dates of the spring 1999 ETTC meeting were established as March 15 and 16, 1999 in Dallas Texas in Conjunction with the APEC. The fall 1999 meeting will either be held in conjunction with the EMCW'99 in Cincinnati October 25 and 26, 1999 or in conjunction with Industrial Applications Society (IAS) fall 1999 meeting in Phoenix Arizona October 4 and 5. Due to declining attendance during meetings held with the EMCW, the ETTC is looking to another fall meeting to hold its meeting.

In an attempt to initiate participation at future ETTC meetings, the steering committee will work out the agenda for the next meeting during its current meeting. In this manner the next meetings agenda can be posted on the web site three to four months in advance. Also the format of the future ETTC meetings will change. The working group meetings that contain only administrative discussions will be consolidated into the standards report meeting. Two or three working group meetings will take up the majority of the agenda. Those meetings will focus discussions of working materials for the respective standard. In this manner, technical details can be worked out during the meetings in lieu of assigned to be worked on between meetings.

The steering committee worked out the details of an agenda for the spring 1999 ETTC meeting to be held with APEC in Dallas, TX.

Meeting adjourned at 3:30 PM

STANDARDS REPORT

Chairman: Matt Wilkowski

The Standards Report was presented at 8:45 AM on Monday October 5, 1998. Balloting for reaffirmation of standards 388, 393, and 436 were affirmed. They should be approved at the December 1999 meeting of the IEEE Standards Board.

The balloting for the revision standard 449 was 100% affirmed. It should be approved at the December 1999 meeting of the IEEE Board.

The IEEE Standards board approved the PAR for Standard 111. This standard will be balloted during the months of October and November 1998.

As discussed during the spring 1998 meeting, Standard 295 will be balloted for reaffirmation simultaneously with STD 111.

Per a memo dated May1, 1998, issued by the Chair of the IEEE Standards Board, all working group chairs must be an IEEE member. This requirement is effective June 1, 1998.

The standards report was completed at 9:05 AM.

**FERRORESONANT REGULATOR
SUBCOMMITTEE**

Standard 449

Chairman: Hassan Yarpezeshkan

No report

**FOREIGN AND INTERNATIONAL
STANDARDS**

Chairman: Hassan Yarpezeshkan

No report

INDUCTOR SUBCOMMITTEE

Chairman: David Ratliff

The meeting of the Inductor standards committee opened at 9:05 on October 5, 1998. A complete restructure of the procedure for writing the standard was discussed and agreed upon. The

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chair will be making assignments based on the list of activities in for the March agenda. This will include definitions, applications and various other portions of the draft. The March meeting will have approximately three hours set-aside for work specific to the draft. Work between now and the meeting will be conducted by email. Meeting adjourned at 9:40 AM.

CORE TEST WORKING GROUP

Chairman: Ryusuke Hasegawa
No Report

TRANSFORMER TEST WORKING GROUP

Chairman: Bob Beers

The meeting of the Transformer Test WG was called to order at 10:27 AM on Monday October 5th, 1998 at Cincinnati Convention Center in Cincinnati Ohio.

No activity relative to the IEEE STD 389-1996 has occurred since the last meeting. The Working Group Chair will collate and circulate the carry-over items from the previous PAR via email and the ETTC web site. Select items will be discussed at our Spring meeting.

There being no further business to discuss, the meeting was adjourned at 10:31 AM.

Respectfully submitted
Robert B. Beers

ELECTRONIC POWER TRANSFORMERS

Chairman: David Ratliff
No report

INSULATION SUBCOMMITTEE

Chairman: Paul Goethe
No Report

POWER CONVERTER TRANSFORMERS

Chairman: Vacant
No report

Wideband Transformer Working Group

Chairman: John DeCramer
STD 111

The meeting of the STD 111 technical committee opened at 10:30 AM on October 5, 1998. The standard has been tied up in the approval process with the IEEE Board. Resolution of the New PAR was resolved since the last meeting and the IEEE Board has approved the standard for balloting. This should take place in the next few weeks.

The committee had a discussion as to new work for the standard. The chair has been collecting various articles regarding newer methods of conducting the tests listed in the standard. As the balloting continues, there will be additional research on the necessity to open a new PAR to include references to test equipment procedures presently being used in the industry. At a later date, this information will be presented to the committee for possible inclusion into the standard.

The meeting closed at 10:35 AM.

Pulse Transformer Subcommittee

Chairman: Charlie Elliott
Standard 390

The meeting of the Pulse transformer Subcommittee was held at 10:35 AM on Monday, October 5, 1998 at the Cincinnati Convention Center. The reaffirmation ballot was completed with unanimous approval and the Standards Board approved the reaffirmation on June 25, 1998. Matt Wilkowski will schedule a submission of a new PAR for this month. Meeting was adjourned at 10:45 AM.

Subcommittee on Characterization of Magnetic Material for Switching Power Supplies

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Chairman: Lowell Bosley

Lowell Bosley called the subcommittee on magnetic material to order at 1:15 PM on Monday October 5, 1998. The chair made a presentation of the workings of the MMPA in regards to abnormalities of ferrite in torroids. The MMPA has been working on a revision to the guidelines for surface cracks and chips. A discussion followed regarding the values used in the criteria used to define chips. Test methods, yields, and definition of terms were reviewed. The ETTC has requested that the percentage of allowable surface chips be reduced from 25% to 10%. The effect of this request needs to be brought back to the MMPA for evaluation as well as providing the ETTC with information on the cost of the changed criteria. Meeting was adjourned at 2:40 PM.

CHAIRMAN'S REPORT

Chairman: Robert B. Beers

The ETTC fall meetings were conducted on Monday and Tuesday, October 5 & 6, 1998 in conjunction with EMCW'98 at the Cincinnati Convention Center in Cincinnati Ohio.

The chair gratefully acknowledges Mr. Robert Myers of PELS for arranging the meeting accommodations. The chair also gratefully recognizes Mr. Lowell Bosley for leading a technical discussion relative to core structure abnormalities and Mr. Ashraf Lofti for his presentation on Planar Magnetics.

The ETTC remains concerned about our declining membership and is in process of implementing changes to address several issues. These changes are expected to promote participation of new members.

We look forward to seeing all of you at our spring meeting in conjunction with APEC'99 in Dallas.