

**IEEE Power Electronics Society**  
**Electronics Transformer Technical Committee**  
**Minutes of October 4 and 5, 1999**  
[www.pels.org/Comm/ETTC/ETTC.html](http://www.pels.org/Comm/ETTC/ETTC.html)

**STEERING COMMITTEE**

**Chairman: Matthew Wilkowski**

The meeting was called to order at 3:20 PM on October 4<sup>th</sup>, 1999.

The members present were Bruce Thackwray, Matt Wilkowski, and John DeCramer.

The dates and sites for future meetings were established as follows: (1) February 7<sup>th</sup> and 8<sup>th</sup>, 2000, in New Orleans, Louisiana, in conjunction with APEC '00 and (2) September 10<sup>th</sup> and 14<sup>th</sup>, 2000, at the Hyatt Downtown in Phoenix, Arizona, in conjunction with INTELEC 2000.

The steering committee will forward the following nominations for the officers of the ETTC for the years 2000 and 2001: John DeCramer as Chairman and David Ratliff as vice chairman.

The steering committee chairman would like to thank Mr. Beers and Mr. DeCramer for their efforts as chairman and vice chairman respectively over the past two years.

The new meeting format which separates administrative details and working group details into separate sessions appears to have regenerated the spirit of the ETTC. This meeting format will continue for the future.

There was some discussion relative to a question and answer bulletin board linked to the ETTC web page. The idea was accepted in general with the following concerns: a restricted list of persons approved to answer the questions, determination of a person to maintain the bulletin board and an attitude to help people rather than to a competitive environment relative to the quality of answers.

There being no further business to conduct, the meeting was adjourned at 3:30 PM.

**STANDARDS REPORT**

**Chairman: Matt Wilkowski**

The Standards Report was presented at 8:45 AM on October 4<sup>th</sup>, 1999.

A chart detailing the status of the nine standards under the jurisdiction of the ETTC is attached to these minutes.

Since the last ETTC meeting in March, there has been activity on four of the nine standards maintained by the ETTC.

The revisions to standard 449 were completed by the IEEE editor. The 1998 edition of the standard has been published.

A PAR for standard 390 was approved by the IEEE standards board at its June meeting. Work towards completing this PAR is expected to begin at the spring '00 meeting of the ETTC.

The ballot for standard 111 is complete. There was a 83% return of the ballots and all ballots were affirmative. The ballot summary will be submitted to the IEEE standards board before December 17 so that the standard can be approved at the IEEE standards board during its meeting in January '00.

Regarding the sharing of information between the ETTC and Technical Committee 51 of the IEC, copies of the ETTC minutes should now be forwarded to Mr. Yoshino who has replaced Mr. Miwa as the secretariat of TC 51.

It should be noted that working groups 1 and 9 of IEC technical committee 51 plan to meet on February 9<sup>th</sup> and 10<sup>th</sup> in conjunction with APEC '00 in New Orleans. It is possible that there will be some cross attendance between the meetings of ETTC and TC 51 in New Orleans.

The Standards Report was completed at 9:05 AM.

**FERRORESONANT REGULATOR  
SUBCOMMITTEE**

**Standard 449**

**Chairman: Hassan Yarpezeskan**

No Report

**FOREIGN AND INTERNATIONAL  
STANDARDS**

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**Chairman: Hassan Yarpezeskan**

No Report

**INDUCTOR SUBCOMMITTEE**

**Chairman: David Ratliff**

The Inductor Std. meeting was called to order at 8:30 on October 4 and 5<sup>th</sup>. During both of these days editing of now what is referred to as the third revision was done. We have incorporated the suggestion Dale Nicol of Micro Metals made and did final revisions on the first eight sections. We are awaiting further work from Matt Wilkowski on PFC inductors along with some other previous calculations. We generated a TESTING cross reference similar to 389. I will be busy trying to find correlating information to support this chart during the next five months. Bill Goethe is still in the hunt for the IEEE Dictionary on CD-ROM. I hope he is able to succeed. We all agreed that we would try to wrap this text up at the next meeting in New Orleans in February. The big upcoming review will be of the Loss Information. I would encourage all members to get boned up on this information and be prepared to discuss it in detail. We will all need to come prepared as we have a lot of ground to cover. The development of this new standard has seemed to rejuvenate some of creative group talents and has been a very rewarding experience for all of us. I look forward to seeing all of you in February.

Respectfully;

Dave Ratliff

**CORE TEST WORKING GROUP**

**Chairman: Ryusuke Hasegawa**

No Report

**TRANSFORMER TEST WORKING GROUP**

**Chairman: Bob Beers**

No Report

**ELECTRONIC POWER TRANSFORMERS**

**Chairman: David Ratliff**

No Report

**INSULATION SUBCOMMITTEE**

**Chairman: Paul Goethe**

No report

**POWER CONVERTER TRANSFORMERS**

**Chairman: Robert Roessler**

**Standard 388**

No Report

**Wideband Transformer Working Group**

**Chairman: John DeCramer**

**Standard 111**

No Report

**Pulse Transformer Subcommittee**

**Chairman: Charlie Elliott**

**Standard 390**

No Report

**Subcommittee on Characterization of Magnetic Material for Switching Power Supplies**

**Chairman: Lowell Bosley**

No Report

**CHAIRMAN'S REPORT**

**Chairman: Robert B. Beers**

**Submitted by Vice-Chair John DeCramer**

The October 4 and 5, 1999 meeting of the ETTC committee convened at 8:30 AM at the Hyatt Downtown Hotel in Phoenix Arizona. The committee wishes to thank Bob Myers, of PELS, and the PELS organization for organizing the meeting rooms and refreshments. This was the first time at the IAS Annual meeting and the accommodations worked out very well.

The format allowed for as much of the time to be spent working on the new Inductor Standard. Several housekeeping items were taken care of in the beginning of the meeting. There was a motion to approve the minutes of previous meeting was made by Dave Ratliff seconded by Ryusuke Hasegawa. All voted in favor to approve. All reports regarding the more inactive subcommittees were delayed until there is some activity. Matt reported on the issuing of the PAR (Project Authorization Request) for STD390. The work on this will begin at the next meeting.

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Work will also proceed with the preliminary discussions on the Planar Magnetics project. Technical discussions and presentations will continue through the APEC meeting in February of next year. There is much work left on the Inductor Recommended Practice document. Many thanks to Dave Ratliff for the hours of work he has in the document to date. He will continue to need all of our support and work to complete this project by next year. After the next meeting, copies of the draft will be available off the ETTC web site. Comments from all interested parties are welcome.

Other areas of discussion were in regards to a web site creation under the ETTC that would allow for questions to be posted by interested individuals and then answered by someone qualified in that field. This will work if the members are willing to provide the technical assistance to the public. Questions and answers would be posted for all to see. This should help to increase the exposure of the ETTC to the general public.

As Vice-Chair of this committee, my two years seemed to go by quickly. I would like to thank everyone for his or her support. These sessions are working sessions but there is a great deal of learning that goes on at every meeting. I would also like to thank Bob Beers for his work over the past two years as Chairman. As we continue the progression of leadership in this committee, I welcome Dave Ratliff as the incoming vice-Chair.

The Next meeting is in New Orleans and will be the week prior to the Marti Gras celebrations. Please get your reservations in as soon as possible. The meeting is held at the Fairmont Hotel in the French Quarters of New Orleans from February 7 & 8, 2000. All Y2K bugs will be dead by then so be ready to work on the standards. Reservations for APEC can be made through the main office at 202-973-8664. Or you can contact the hotel directly (504) 529-7111

. See you in New Orleans!