

IEEE Power Electronics Society
Electronics Transformer Technical Committee
Minutes of the Meeting on September 11 and 12, 2000

STEERING COMMITTEE

Chairman: Matthew Wilkowski

The meeting was called to order at 3:30 PM on September 11th, 2000.

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

The dates and sites for future meetings are proposed as follows: (1) March 5th and 6th, 2001, in Anaheim, California, in conjunction with APEC '01 and (2) fall 2001 in Chicago, Illinois in conjunction with Team 2000.

Revisions to the ETTC operations manual will be discussed during the spring 2001 meeting. Revisions and additions under consideration are:

- Definition of quorum for decisions made during ETTC meeting
- Contingency replacement plan for officers.
- Requirements for SA membership when balloting a standard.
- Maintenance and requirements for ballot list.
- Maintenance and requirements for active membership list.
- Definition of the responsibilities of the ETTC officers. (examples: web site maintenance, list server maintenance, meeting minutes, meeting coordination, membership list maintenance, ballot list maintenance)

The suggested agenda for the spring 2001 meeting is as follows:

- Standards Report
- Completion of Inductor Standard
- Focus on Planar Magnetics Standard
- International Standards Report
- Technical Presentations
 - Conductors AC Losses
 - Manufacturing Issues for Multiple Layer Printed Wiring Boards

The ETTC committee has found volunteers to fill vacancies in the following positions:

- Chairman for the Frequency Range Transformers Subcommittee (Victor Renteria)
- Chairman for the Transformers Tests Working Group (Standard 389) (Majid Dadafshar).

having no further business to conduct, the meeting was adjourned at 4:00 PM.

STANDARDS REPORT

Chairman: Matt Wilkowski

The Standards Report was presented at 8:45 AM on September 11th, 2000.

The organizational chart of the ETTC was reviewed and revised to reflect latest information. Two chairman vacancies were noted.

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 February, there has been activity on only one of the nine standards maintained by the ETTC.

The editorial staff of the IEEE Standards Board has been working on standard 111. Discussions with the editor indicate that the standard will be ready for review during the month of October. It is possible that this standard will be released before the end of this year.

Since there is no chairman for IEEE standard 389 and it is due for re-affirmation, it is recommended that the ETTC vote in favor of re-affirmation of this standard during its meeting on Tuesday September 11 if no one is aware of necessary changes to the standard.

John DeCramer, Matt Wilkowski and Hasan Yarpezhkan will research previous notes to determine the revision work anticipated by the former chairman – Bob Beers.

The Standards Report was completed a 9:15 AM.

Inductor Recommended Practices

Chairman: David Ratliff

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The Inductor Recommended Practice committee meeting was opened by the ETTC chairman – John DeCramer at 9:15 AM on September 11th, 2000.

The committee worked on a draft titled “Inductor Recommended Practice V0.1”. The draft is in the form of a IEEE standard. Previous work done in separate word documents was collated into a single document. Definitions were completed for seventeen terms. Details of five applications were added to the application section (DC output filter inductor, coupled inductor, mag-amp inductor, emi/rfi inductor and power factor correction inductor). Sections were outlined for test methods, inductor rating (specifications), reliability and annexes. Three annexes were suggested: inductance calculations, ac copper loss calculations and a bibliography.

Several inductor applications need to be added to the work of the first day (Monday September). These applications include: dc inductor, load coil, ac line inductor, commutating inductor, non-linear inductor (swinging inductor), trap inductor and saturable inductor.

A second draft including these additional sections will be placed on the ETTC web site. The title of the second draft will be “Inductor Recommended Practice V 0.2”. It is the consensus that a PAR can now be opened for the Inductor Standard project.

The meeting of Monday September 11 closed at 3:30 PM. Minutes respectively submitted by Matt Wilkowski.

Planar Magnetics Recommended Practice

Chairman: TBD

The Planar Magnetics working group meeting was opened by the ETTC chairman – John DeCramer at 9:30 AM on September 12th, 2000.

The committee worked on a draft titled “Planar Magnetics Recommend Practice V0.1”. The draft is in the form of a IEEE standard.

Test was inserted for the definition and technology type sections of the previously proposed outline. The working draft should become the focal point of the ETTC meetings planned for spring 2001.

CHAIRMAN’S REPORT

JDC

Unapproved Minutes

PELS WWW Server:Applications:WebSTAR 3.0.2:PELS:Comm:ETTC:minutes:0009:0009minutes.doc

Chairman: John DeCramer

The fall meeting of the ETTC in the year 2000, took place at the Hyatt Hotel in Phoenix Arizona. The ETTC committee would like to again thank Bob Myers and the PELS committee for making all the arrangements and for the support of the ETTC work.

The meeting opened at 8:35 on September 11, with a review of the status of the open standards by Matt Wilkowski. We also review the organizational chart and discussed the open positions. An effort was made during the two days to fill the open positions. The chair will attempt to contact Bob Beers to obtain any additional information relative to the 389 Standard. A revised organizational chart will be sent out with the minutes of this meeting. Galliano Busletta volunteered to be the secretary on the Inductor Recommended Practices. The ETTC committee would like to thank Galliano for his many hours of work both during and after the meetings.

During the closing meeting of the ETTC the following motions were made:

1. Appointment of Victor Renteria to the position of the Frequency Range Subcommittee chair. Motion by Matt Wilkowski and second by Paul Goethe, all voted in favor.
2. Appointment of Magid Dadafshar to the position of chair of the 389 Standard on Recommended Practice for Testing Electronic Transformers and Inductors. Motion by Paul Goethe and second by Bruce Thackway. All voted in favor.
3. It was the consensus of the committee that the 389 Standard be re-affirmed as is. The committee did not see a need to make changes at this time.

The decision by the steering committee to investigate meeting next fall in conjunction with the TEAM2000 transformer meeting was also discussed. The chair and steering committee chair will contact PELS and Team2000 to coordinate the meeting.

The ETTC meeting was adjourned at 12:00 noon by a motion by Paul Goethe and seconded by Victor Renteria.

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The next ETTC meeting is scheduled for March 5th and 6th, 2001, in Anaheim, California, in conjunction with APEC '01 at the Disneyland Hotel. I hope to see everyone there!