

Minutes **Electrical Power Working Group**

Wednesday, 19 March 2003
Hilton Minneapolis
Minneapolis, MN

Chairmen: Ken Vannice; Colortran (Leviton Manufacturing Co., Inc.); P; MP
Bob Luther; Lex Products Corp.; P; CP

Recording secretary: Karl G. Ruling; ESTA

Members attending: Eric Tishman; Rosco Laboratories; A; MP (joined at this meeting)
Mitch Hefter; Entertainment Technology (Genlyte Thomas Group), representing
USITT; P; U
Edwin S. Kramer; I.A.T.S.E, Local 1; P; U
Louis Bradfield; Louis Bradfield; I; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
W. G. Krokaugger P.E.; Mole-Richardson Co.; P; CP
George Long; Aggreko Event Services (Aggreko); P; DR
Joe Boardman; Bender Inc. (Bender GmbH & Co. KG); A; MP
Brian Dowd; TMB; P; MP
Steve Terry; Electronic Theatre Controls; P; MP
Richard D. Thompson; Thompson Associates; P; G
Pat Miller; Hubbell Wiring Devices (Hubbell Inc.); P; MP (change of voting status)
James Eade; PLASA; P; G (joined at this meeting)
Stephen Vaniel; O; U (joined at this meeting)

Visitors: None

1 Opening remarks

Ken Vannice called the meeting to order at 08:05.

2 Attendance and membership

2.1 Introduction of those present and taking attendance

Those present introduced themselves while a chartreuse sign-in sheet was circulated.

2.2 Determination of quorum

Vannice noted that a quorum was present so business could be conducted.

2.3 Recognition of alternate voting members

At this time in the meeting there were no alternate members to recognize. (Eric Tishman was recognized after his membership was accepted.)

2.4 Requirements for membership

Vannice reminded the assembly that membership is open to all who are affected by the work of the group. Voting members are required to attend meetings and to vote on letter ballots. Voting members and their alternates may not miss three consecutive meetings without a loss of voting status.

2.5 Processing of new membership requests

Bob Luther read the new membership requests

James Eade; PLASA; P; G

Andre Broucke; ADB; O; MP

Bob Barbagallo; Solotech; O; DR

Richard Glickman; Gliconen Corp., representing Rosco Laboratories; P; MP
Eric Tishman; Rosco Laboratories; A; MP
Stephen Vanciel; O; U

Luther asked for a show of support for the applications. Mitch Hefter moved that they be accepted. The motion was seconded. The motion was approved by a unanimous show of hands.

Pat Miller of Hubbell asked that his voting status be changed from observer to principal. Roger Lattin moved that Pat Miller be accepted as a principal. The motion was seconded. The motion was approved by a unanimous show of hands.

3 Approval of the minutes from the previous meeting

Mitch Hefter moved that we accept the minutes as written. The motion was seconded. The motion was approved by a unanimous show of hands.

4 Reading of the call for patents

The following was read by Ken Vannice:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosure to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent or copyright that might protect material in a standard being developed by the working group. You need not be the holder of the patent or copyright in order to notify the working group of its existence."

No issues were brought to the attention of the assembly, and the silence in the room was noted by Ken Vannice.

5 Reading of the anti-trust statement

Ken Vannice read the following:

"The ESTA Board of Directors, the Technical Standards Committee, and the leadership of this working group will reject or nullify any actions that unlawfully restrain trade. Anyone who feels that such an action is being or has been taken is requested to bring that matter to the attention of the chair immediately. Anyone who feels that actions in restraint of trade have been taken and not properly annulled is requested to notify the TSC chair or ESTA president immediately.

"ESTA legal counsel has informed us that violations of the anti-trust laws can have serious consequences. Individuals engaged in certain unlawful conduct can be found criminally liable. An individual convicted of a criminal violation of the Sherman Act may be fined as much as \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

No restraint of trade issues were brought to the attention of the assembly.

6 Approval of agenda

Eddie Kramer moved that the agenda be accepted as written. The motion was seconded. The motion was accepted by a unanimous show of hands, except for one abstention.

7 Old business - task group reports

7.1 EMC task group

No news, reported Vannice.

7.2 BSR E1.24 pin connectors

Karl Ruling was instructed to send a copy of the USITT pin connector standard, which is our starting document, to Mitch Hefter, Roger Lattin, Bill Krokagger, Bud Toly, Jeff deRecat, Richard Wolpert, Jerry Gorrell, Dick Glickman, and Brian Dowd.

7.3 BSR E1.18 portable feeder cable selection and use task group

Eddie Kramer reported on the progress being made. There is now an array of tables that deal with the ampacity deratings for various conditions. More work will be done by the task group by meeting at Light Fair. The document is on schedule for a complete version by the summer working group meeting.

There was some discussion of research being done by Lex Products on temperature rise in bundled cable. Suggestions were offered on how the test situation could be set up to closely approximate real-world conditions. Suggestions were also offered on how this information should be replicated by a NRTL and then submitted to the NEC.

7.4 BSR E1.19 GFCI task group

Joe Boardman and Steve Terry reported. Terry said that we have new supporting information. Particularly useful is a KCYC.GuidelInfo document from UL that has a decision tree that allows the use of a 20mA trip point under certain circumstances.

Richard Thompson moved that we invite James Stahlcup Sr. to the July meeting to ask his opinion on 70E as it pertains to our work. The motion was seconded. After a brief discussion, the motion was defeated with a show of hands.

There was a discussion of the way forward for the BSR E1.19 document. There was agreement that it still contains too little information about how to apply GFCIs. There was also discussion of the potential benefits of GFCIs with 20mA trip points. The consensus was that the task group needs to do more work on the document.

8 New business

None.

9 Other business

9.1 Richard Thompson reported on the CANENA single-pole, cam-type connector project. There are no limitations on membership in the committee based on trade association membership. That is, you don't have to be a NEMA member to be a member. Thompson read a list of participants in the project. More information is available by calling 703-841-3268 and speaking to Carin Bernstiel of NEMA. Thompson also gave out information for participating in a conference call scheduled for April 1.

9.2 Thompson announced that he is doing a panel presentation about entertainment electrical safety at the Electrical Safety in the Entertainment Industry CBS Studio Center at Studio City, CA. There will be table top displays, too. Lunch is \$20.

9.3 Eddie Kramer clarified his previous report about New York City considering adopting the IBC or NFPA 5000 for its building code. Changing from New York code to the IBC should be fairly painless. That is the direction in which the code officials are leaning.

9.4 Karl Ruling distributed instruction sheets regarding signing up for the ESTA archived email reflectors.

10 Changes to observer status

None.

11 Schedule for future meetings

Ken Vannice announced that the next meeting shall be July 25, from 08:00 to noon at the Dallas/Ft. Worth Marriot South in Ft. Worth, Texas.

Ken Vannice reviewed must done before the next meeting. The first of July would be the deadline for the distribution of materials, so the first of June would be the deadline for circulate materials within task groups. The BSR E1.18 portable feeder document needs to be ready for distribution by July 1. A substantially revised version of BSR E1.19 (GFCI) needs to be ready by July 1.

12 Adjournment

Steve Terry moved that the meeting adjourn. The motion was seconded. The motion was approved by a unanimous show of hands. Ken Vannice declared the meeting adjourned at 10:12

Electrical Power Working Group Membership and Contact Information

Name	Company	Representing	Voting status	Int. cat.
Michael Amorelli	AC Power Distribution Inc.	AC Power Distribution Inc.	P	CP
James Davey	AC Power Distribution Inc.	AC Power Distribution Inc.	A	CP
Andre Broucke	ADB - TTV Technologies	ADB-TTV Group	O	MP
Bud Toly	Advanced Devices, Inc.	Advanced Devices, Inc.	A	MP
Jeff deRecat	Advanced Devices, Inc.	Advanced Devices, Inc.	P	MP
George Long	Aggreko Event Services	Aggreko	P	DR
Kenny Delahoussaye	Aggreko	Aggreko	A	DR
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	G
Lowell R. Nutter	Array Connector Corp.	Array Connector Corp.	O	MP
Wolfgang Hofheinz	Bender GmbH & Co. KG	Bender GmbH & Co. KG	P	MP
Joe Boardman	Bender Inc.	Bender GmbH & Co. KG	A	MP
Lee J. Bloch	Blue Sky Design, Ltd.	Blue Sky Design, Ltd.	O	G
Jeffrey Measley	Crouse-Hinds Molded Products	Cooper Crouse-Hinds Molded Products Inc.	O	MP
Stewart Cox	Crouse-Hinds Molded Products	Cooper Crouse-Hinds Molded Products Inc.	O	MP
Ron Dahlquist	Dadco	Dadco	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	P	MP
Michael Klein	Environmental System Design	Environmental System Design	P	G
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Pat Miller	Hubbell Wiring Devices	Hubbell Inc.	P	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
R. Bruce Prochal	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Patric J. Abaravich	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Richard Thornton Brown	Zero 88 Ltd.	i Light Group PLC	O	MP
Gian Carlo C. Bartolotti	Ibeam SP / Banco de Eventos	Ibeam SP / Banco de Eventos	O	U
Bill Kanne	Illumination Dynamics	Illumination Dynamics	O	U
Kevin Stolpe	Illumination Dynamics	Illumination Dynamics	O	U
Stephen J. Kay	K-Tec Corporation	K-Tec Corporation	P	MP
Jose J. Flores	Kino Flo, Inc.	Kino Flo, Inc.	O	MP
Don Gray	Kohler Event Services	Kohler Co.	O	U
Ken Vannice	Colortran	Leviton Manufacturing Co., Inc.	P	MP
Tim Bachman	Leviton/Colortran	Leviton Manufacturing Co., Inc.	A	MP
Bob Luther	Lex Products Corp.	Lex Products Corp.	P	CP
Reinhold Luther	Lex Products Corp.	Lex Products Corp.	O	CP
Louis Bradfield	Louis Bradfield	Louis Bradfield	I	U
Jim Holladay	Luxence	Luxence	O	G
Phil Fram	Marinco	Marinco	O	MP
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP
W. G. Krokaugger P.E.	Mole-Richardson Co.	Mole-Richardson Co.	P	CP
Art Wanuch	M.C. Lights & Manufacturing, Ltd.	Ontario Film & Television Prod. Electrical Comm.	O	G
James Eade	PLASA	PLASA	P	G
Mac Perkins	PNTA Inc.	PNTA Inc.	O	G
Paul F. Mardon	Pulsar Ltd.	Pulsar Ltd.	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Eric Tishman	Rosco Laboratories	Rosco Laboratories	A	MP
Richard B. Glickman	Gliconen Corporation	Rosco Laboratories	P	MP
William N. Masten	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	P	CP
Richard A. Prey	SMS Inc. / PGS LLC	SMS Inc. / PGS LLC	A	CP
Paul Menetrey	Power Guard Systems, LLC	SMS Inc./PGS LLC	A	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	DR
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Michael Lay	Strand Lighting	Strand Lighting Ltd.	P	MP
Reuben Goldberg	Technic Services	Technic Services	O	U
Andy Topinka	Technical Group Services, Inc.	Thea & Schoen, Inc.	O	G
Richard D. Thompson	Thompson Associates	Thompson Associates	P	G
Colin Waters	TMB	TMB	A	MP
Brian Dowd	TMB	TMB	P	MP
Richard Wolpert	Union Connector Company	Union Connector Company	O	CP

Mitch Hefter	Entertainment Technology (Genlyte Thomas Group)	USITT	P	U
Eckart Steffens	SOUNDLIGHT	VPLT	O	G

Please note that Lee Bloch changed his company name from Bloch Design Group to Blue Sky Design, Ltd. and moved location since the last meeting. There was no change of ownership and thus no effective change of representation.

Key to codes:

- P principal voting member
- A alternate voting member
- I individual voting member
- O observer, non-voting
- MP mass-market producer interest category
- CP custom-market producer interest category
- DR dealer or rental company interest category
- U user interest category
- G general-interest interest category