

Minutes Fog and Smoke Working Group

Saturday, 12 November 2005
Rosen Plaza Hotel
Orlando, Florida

Presiding chairman: Larry Schoeneman; Designlab Chicago, Inc.; P; DR

Recording secretary: Karl G. Ruling; ESTA

Members attending: Eric Tishman; Rosco Laboratories; P; MP
Adrian Segeren; Le Maitre Special Effects; P; MP
Florian von Hofen; VPLT; O; G
Martin Michaud; MDG Fog Generators Ltd.; P; MP
Gary Crawford; C I T C; O; MP
Timothy Wade; IATSE Local 600; P; U
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
M. Brad Dittmer; Downhome Productions; P; U
Ron Bonner; PLASA; P; G
Mike Wood; Mike Wood Consulting LLC; P; G

Visitors: None

1 Opening remarks

Larry Schoeneman called the meeting to order at 09:01 and welcomed all to LDI 2005.

2 Attendance and membership

2.1 Introductions of those present

Those present introduced themselves as a blue attendance sign-in sheet was circulated.

2.2 Determination of quorum

Schoeneman announced that a quorum was present and business could be conducted.

2.3 Recognition of alternate voting members

There were none to recognize.

2.4 Requirements for membership

Schoeneman reminded the assembly that working group membership is open to all who are affected by the work of the group. At this time, people who would represent dealer/rental companies or users are particularly encouraged to apply for membership. Voting members must vote on letter ballots and attend meetings. A member's voting status will be changed to observer if he and his alternate miss three consecutive meetings. This will be done at the beginning of the third meeting missed. There is no longer an exemption for organizational members. Reinstatement of voting status may be requested at the next meeting attended.

2.5 Processing of new membership applications

There were none.

2.6 Processing of changes to observer status if this meeting is missed

No voting members had missed the last two consecutive meetings and this one, so none were moved to observer status.

The full consensus body during this meeting, including any voters not present, was:

Name	Company	Representing	Voting status	Int. cat.
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	DR
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Timothy Wade	IATSE Local 600	IATSE Local 600	P	U
Greg Meeh	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	P	DR
Patrick Boyd	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	A	DR
Adrian Segeren	Le Maitre Special Effects	Le Maitre Special Effects	P	MP
Don Phillips	Le Maitre Special Effects	Le Maitre Special Effects	A	MP
Martin Michaud	MDG Fog Generators Ltd.	MDG Fog Generators Ltd.	P	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Ron Bonner	PLASA	PLASA	P	G
Eric Tishman	Rosco Laboratories	Rosco Laboratories	P	MP
Bill Hektner	USITT	USITT	P	G
		Total voters	11	
		Voters by interest category	3	MP
			0	CP
			2	DR
			3	U
			3	G

3 Approval of minutes from the previous meeting

Brad Dittmer moved that the draft minutes of the 30 July 2005 meeting (F&S/2005-3013) be approved as written. The motion was seconded. The motion was approved with a unanimous show of hands.

4 Approval of agenda

Brad Dittmer moved that the draft agenda be approved. The motion was seconded and then approved with a unanimous show of hands.

5 Reading of the call for patents

Larry Schoeneman read the following statement aloud to the assembly:

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

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

No issues patent or copyright issues were brought to the attention of the assembly.

6 Reading of the anti-trust statement

Larry Schoeneman read the following statement aloud to the assembly:

"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 \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl Ruling, the Technical Standards Manager, held up some of the easy-to-read pamphlets to show their availability. No anti-trust or restraint of trade issues were brought to the attention of the assembly.

7 Task group and committee reports and business

7.1 TSC

Larry Schoeneman gave a brief report. He said that given the number of standards in the program, the program moves along very well, and this is impressive. None of the standard need special mention here, he said, but he noted that we are moving into areas of complexity that is way beyond where we started or past what we could do individually without the organization.

Schoeneman noted that some sectors of the industry are pretty fed up with UL and now we are talking about what we can do about our issues with UL. Industry members support the safety goals of UL, but they do not like the way UL works.

7.2 BSR E1.23, generic fog effect guidance

7.2.1 Report on public review

It was reported that the document is in public review but no formal responses had been received yet.

7.2.2 NFPA 70 (NEC) proposal to require Listing of fog equipment

Larry Schoeneman reported on Steve Terry's concern about the lack of Listing on some fog equipment. Terry had told people he was going to propose that Listing be required in the NEC, but after some conversations with others, he has decided to not go through with filing this proposal. Most equipment used on commercial live entertainment is Listed.

This is what has precipitated our consideration of developing a standard for fog equipment product safety. There was discussion of the desirability of writing a standard.

Brad Dittmer moved that we start a project to develop a fog equipment product safety guidance document. The motion was seconded. There was discussion.

Florian said that there is a DIN standard for fog machines, but it addresses only the electrical safety of the machine. In his opinion, it is not very useful, because the electrical safety of the equipment is a given.

Dittmer's motion was approved by a unanimous show of hands, except for one abstention.

Tim Wade moved that the guidance document be a standard. The motion was seconded and then approved with a unanimous show of hands. Karl Ruling said the alphanumeric for the project would be BSR E1.29. "BSR" indicates that it is a project and not an approved standard. Karl Ruling shall file a PINS form with ANSI announcing the new project.

Larry Schoeneman formed a task group of himself, Karl Ruling, and Mike Wood to work on a draft document for the January meeting.

8 Old Business

None.

9 New business

9.1 Reaffirm, revise, or withdraw ANSI E1.14-2001

Eddie Kramer moved that we reaffirm the ANSI E1.14-2001 document. The motion was seconded. The motion was approved by a unanimous show of hands. Therefore, Karl Ruling shall file a PINS form with ANSI announcing the reaffirmation project.

Mike Wood moved that the existing document be offered for public review for reaffirmation. The motion was seconded. The motion received a unanimous show of hands in support, but since this is a motion for a first public review in a reaffirmation, the question must be decided by letter ballot.

9.2 Snow machines

Eddie Kramer asked about whether snow machines are within the scope of the working group. He had an issue at Radio City Music Hall of a machine being shipped to the Hall without any instructions.

There was discussion of the any possible safety issues with snow machines, but no motion was offered.

10 Other business

None.

11 Liaison Reports

11.1 PLASA — Ron Bonner

No news.

11.2 VPLT — Von Hofen or Steffens

Florian von Hofen remarked that there is a DIN norm for meeting rooms that requires daylight. Our meeting rooms are not meeting rooms per the DIN standard since they are almost always interior rooms with no windows.

11.3 NFPA – Schoeneman

The idea of the NFPA developing an overarching standard for special effects and having chapters for pyrotechnics, flame effects, and possibly fog or other effects was discussed. Karl Ruling argued that this would not be good for us since the NFPA standards certainly would cover the same products and safety issues and may conflict with our work. Also, the NFPA has much more restrictive membership rules, and the voice of the theatrical fog industry would be weak in the NFPA technical committee covering all special effects. Therefore, it is not in our interest to encourage the NFPA to expand its scope to cover the areas we are already covering.

12 Schedule for future meetings

No meeting was scheduled at this time for January 2006 in Ft. Worth.

[Subsequent to this meeting, a meeting for the Fog & Smoke Working Group was scheduled for Saturday night, 21 January 2006, at the Dallas/Ft. Worth Airport Marriott South, located at 4151 Centreport Boulevard, Fort Worth, Texas 76155.]

13 Adjournment

Brad Dittmer moved that the meeting adjourn. The motion was seconded. The motion was approved with a unanimous show of hands. Schoeneman declared the meeting adjourned at 10:18.

Working Group Membership as of 29 November 2005

Name	Company	Representing (This is the primary sort field.)	Voting status	Int. cat.
Murray Gellatly	A.C. Lighting Ltd.	A.C. Lighting Ltd.	O	DR
Patrick O'Rourke	Big Apple Lights	Big Apple Lights	O	DR
F. Lee Iwanski	Big Apple Lights	Big Apple Lights	O	DR
Gary Crawford	C I T C	C I T C	O	MP
Gary Fails	City Theatrical, Inc.	City Theatrical, Inc.	O	MP
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	DR
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U
Norman Wright	Group One Ltd.	Group One	O	DR
Lowell Fowler	High End Systems Inc.	High End Systems Inc.	O	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Timothy Wade	IATSE Local 600	IATSE Local 600	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	O	G
Jack Suesse	J.R. Clancy, Inc. (NC)	J.R. Clancy, Inc.	O	G
Greg Meeh	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	P	DR
Patrick Boyd	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	A	DR
Adrian Segeren	Le Maitre Special Effects	Le Maitre Special Effects	P	MP
Don Phillips	Le Maitre Special Effects	Le Maitre Special Effects	A	MP
Nathan Kahn	Look Solutions USA Ltd.	Look Solutions USA Ltd.	O	MP
Martin Michaud	MDG Fog Generators Ltd.	MDG Fog Generators Ltd.	P	MP
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G
Monona Rossol	Arts, Crafts & Theater Safety	Monona Rossol	O	G
Ron Bonner	PLASA	PLASA	P	G
Douglas Franz	QVC Network	QVC Network	O	U
Jim Gill	Reel EFX, Inc.	Reel EFX	O	MP
Eric Tishman	Rosco Laboratories	Rosco Laboratories	P	MP
Heinz Siller	RST Präsentationssysteme	RST Präsentationssysteme	O	G
Beverly Huggins	SFX Design, Inc.	SFX Design, Inc.	O	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Reuben Goldberg	Technic Services	Technic Services	O	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Thomas Costello	TJC and Associates	TJC and Associates	O	G
Colin Waters	TMB	TMB	O	G
Thomas V. Korder	Krannert Center for the Performing Arts	University of Illinois	O	U
Peggy Lee Martindale	University of Texas, Austin	University of Texas, Austin	O	G
Bill Hektner	USITT	USITT	P	G
Florian von Hofen	VPLT	VPLT	O	G
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Gunther Schaidt	Safex Chemie	VPLT	O	G
Mark Elliott	Walt Disney Company	Walt Disney Company	O	U

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