

**Minutes**  
**Fog and Smoke Working Group**  
Saturday, 17 November 2007  
Rosen Plaza Hotel  
Orlando, Florida

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

**Recording secretary:** Karl G. Ruling; ESTA

**Members attending:** M. Brad Dittmer; Downhome Productions; P; U  
Don Phillips; Le Maitre Special Effects; A; MP  
Ulrich Borup Hansen; Martin Professional A/S; A; MP  
Martin Michaud; MDG Fog Generators Ltd.; P; MP  
Mike Wood; Mike Wood Consulting LLC; P; G  
Ron Bonner; PLASA; P; G  
Eric Tishman; Rosco Laboratories; P; MP  
Florian von Hofen; VPLT; P; G

**Visitors:** None

**1 Opening remarks**

Larry Schoeneman called the meeting to order at 09:02.

**2 Attendance and membership**

**2.1 Introductions of those present**

A green sign-in sheet was circulated. Those present introduced themselves.

**2.2 Determination of quorum**

Schoeneman announced that a quorum was present. Business could be conducted.

**2.3 Recognition of alternate voting members**

It was noted that Don Phillips, the alternate for Le Maitre Special Effects, was present and would vote on behalf of his company.

**2.4 Requirements for membership**

The following statement was read aloud by Larry Schoeneman to the assembly:

"Working group membership is open to all who are affected by the work of the group. 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 letter ballots or three consecutive meetings. Voting status change due to failure to vote will be done at the conclusion of the ballot period. Voting status change due to lack of attendance will be done at the beginning of the third meeting missed. Reinstatement of voting status may be requested at the next meeting attended."

**2.5 Processing of new membership applications**

Applications have been received from:

Martin Frihagen; Martin Professional A/S; principal; mass-market producer

Ulrich Borup Hansen; Martin Professional A/S; alternate; mass-market producer

The applicants are the business manager and the product manager respectively for Martin's fog products. In his application, Hansen mentioned that Martin has an R&D department that works only on fog machines and fluids, and that he will be able to draw on their experience.

Mike Wood moved that the applications be accepted. The motion was seconded. The motion was approved with a show of hands.

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

Name	Representing	Voting status	Int. cat.
Larry Schoeneman	Designlab Chicago, Inc.	P	DR
M. Brad Dittmer	Downhome Productions	P	U
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
Greg Meeh	Jauchem & Meeh, Inc.	P	DR
Patrick Boyd	Jauchem & Meeh, Inc.	A	DR
Adrian Segeren	Le Maitre Special Effects	P	MP
Don Phillips	Le Maitre Special Effects	A	MP
Marnie Styles	Le Maitre Special Effects	A	MP
Mark Frihagen	Martin Professional A/S	P	MP
Ulrich Borup Hansen	Martin Professional A/S	A	MP
Martin Michaud	MDG Fog Generators Ltd.	P	MP
Mike Wood	Mike Wood Consulting LLC	P	G
Ron Bonner	PLASA	P	G
Eric Tishman	Rosco Laboratories	P	MP
Florian von Hofen	VPLT	P	G
	Total votes possible	11	
	Votes by interest category	0	CP
		4	MP
		2	DR
		2	U
		3	G

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

The following voting member missed at least the last two consecutive meetings and will be moved to observer status if this meeting is also missed:

Null Keiner (i.e., nobody)

Nobody was moved to observer status.

## 3 Approval of minutes from the previous working group meeting, the meeting of October 2006

See file FSmin10-2006.pdf.

Ron Bonner moved that the draft minutes of the October 2006 be approved as written. The motion was seconded. The motion was approved with a 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 show of hands.

## 5 Reading of the call for patents

The following statement was read aloud to the assembly by Larry Schoeneman, the chairman:

"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."

Eric Tishman questioned how we could write a standard that references another standard that is copyrighted. Karl Ruling explained that referencing copyrighted standards is common practice, that virtually all standards reference other standards, and virtually all have some form of copyright protection. The copyrighted standard we are referencing in our standard is necessary for technical reasons, and is available for sale to anyone at a reasonable price.

## **6 Reading of the anti-trust statement**

The following statement was read aloud to the assembly by Larry Schoeneman, the chairman:

"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 one of the easy-to-read pamphlets to show that it was available.

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

## **7 Old Business**

### **7.1 BSR E1.29, fog equipment product safety standard**

E1-29\_27-3004r3.pdf was discussed. A typo in the wire gauge table was corrected.

Martin Michaud moved that the document be offered for public review. The motion was seconded. The vote shall be decided by letter ballot, as is required for a first public review.

### **7.2 Other old business**

None.

## **8 New business**

### **8.1 Contact with Radco**

Larry Schoeneman described his contact with Radco, a testing laboratory. He suggested to them that they join the working group.

### **8.2 Action on ANSI E1.5 - 2003**

ANSI E1.5 - 2003 is approaching its fifth birthday. It needs to be reaffirmed, revised, or withdrawn. See the document at [http://www.esta.org/tsp/documents/docs/ANSI\\_E1-5\\_2003.pdf](http://www.esta.org/tsp/documents/docs/ANSI_E1-5_2003.pdf).

Mike Wood moved that the process to reaffirm ANSI E1.5 - 2003 be started. The motion was seconded. There was a brief discussion. All present voted in favor with a show of hands. This was nine out of a voting body of 11, a supermajority.

Eric Tishman moved that ANSI E1.5 - 2003 be offered for public review for reaffirmation. The motion was seconded. The motion will be decided by letter ballot.

### **8.3 Other new business**

None.

### **9 Other business**

Larry Schoeneman described his liquid nitrogen fog demos for the LA Opera and AGMA. After the demo they decided that they would allow the use of Dry Foggers, Schoeneman's liquid nitrogen fog producing product. He invited AGMA to have representatives join the F&S Working Group.

Tishman said that Rosco's new hazer was used at Pittsburgh Opera without incident. Ruling said that Pittsburgh Opera has a really good safety management regime based on written risk assessments, which are published to the company and to any health and safety official with a concern. It has been very effective for controlling risk and for allaying fears.

Schoeneman talked about the willingness of AGMA LA local representatives to entertain testing. Also spoke of the division between stage hands and performers, and the lack of realization that they share the same work environment with the same hazards.

### **10 Liaison Reports**

#### **10.1 PLASA**

Bonner reported that REACH might have implications for fog manufacturers exporting fluids to Europe. Will research this some more to see if there are effects.

#### **10.2 NFPA**

No news, reported Larry Schoeneman.

#### **10.3 VPLT**

Florian von Hofen reported that his Smoke Factory products have been certified per BGV C1. The lab had been working with chain hoists and amplifiers, so Smoke Factory's products are the first fog products certified by BGV C1's laboratory. Unfortunately, BGV has had to close this particular lab to be more cost-effective. This is a result of the political pressure to privatize all labor insurance. VPLT and other associations are thinking of establishing a testing lab similar to the lab that BGV ran.

### **11 Schedule for future meetings**

It was announced that the next meeting is scheduled for Friday, 25 January 2008, 19:00 - 23:00 at the Dallas/Ft. Worth Airport Marriott South in Ft. Worth, TX. Larry Schoeneman noted that this is a new schedule.

### **12 Adjournment**

Brad Dittmer moved that the meeting adjourn. The motion was accepted and then approved with a voice vote. Schoeneman declared the meeting adjourned at 10:11.

## Membership and Contact Information as of 28 November 2007

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
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
Julie Rogers	City of Phoenix Civic Plaza	City of Phoenix	O	G
Stephanie Kelly	Phoenix Stages/ Convention Center	City of Phoenix	O	G
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
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	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
Marnie Styles	Le Maitre Special Effects (Canada)	Le Maitre Special Effects	A	MP
Nathan Kahn	Look Solutions USA Ltd.	Look Solutions USA Ltd.	O	MP
Mark Frihagen	Martin Professional A/S	Martin Professional A/S	P	MP
Ulrich Borup Hansen	Martin Professional A/S	Martin Professional A/S	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
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
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
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
Jim Cooper	Palomar College	USITT	O	U
Florian von Hofen	VPLT	VPLT	P	G
Eckart Steffens	SOUNDLIGHT	VPLT	O	G
Mark Elliott	Walt Disney Company	Walt Disney Company	O	U

**Key to codes:**

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