

**Minutes**  
**Fog and Smoke Working Group**  
Friday, 17 July 2009  
Marriott Solana  
Westlake, TX

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

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

**Members attending:**

Wendy Holt; AMPTP; P; U  
M. Brad Dittmer; Downhome Productions; P; U  
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U  
Mike Wood; Mike Wood Consulting LLC; P; G

**Visitors:** None

**1 Opening remarks**

Larry Schoeneman called the meeting to order at 19:00. He welcomed all to the "heart of Texas."

**2 Attendance and membership**

**2.1 Introductions of those present**

Those present introduced themselves, although they all knew each other.

**2.2 Determination of quorum**

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

**2.3 Recognition of alternate voting members**

There were none to recognize.

**2.4 Requirements for membership**

Larry Schoeneman reminded the group that 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**

None.

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

The following voting members had missed at least the last two consecutive meetings and would be moved to observer status if this meeting were also missed:

Ulrich Borup Hansen; Martin Professional  
Eric Tishman; Rosco Laboratories

Neither was present. Larry Schoeneman announced that they were now moved to observer status.

## 2.7 Consensus body

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

Name	Company	Representing	Voting status	Int. cat.
Wendy Holt	AMPTP	Alliance of Motion Picture and Television Producers	P	U
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
Greg Meeh	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	P	DR
Patrick Boyd	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	A	DR
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
		Total	8	
		Votes by interest category	0	CP
			1	MP
			2	DR
			3	U
			2	G

## 3 Approval of minutes from the previous meeting, the meeting of 23 January 2009

Eddie Kramer moved that the draft minutes be approved as written. The motion was seconded and then accepted with a show of hands.

## 4 Approval of agenda

Brad Dittmer moved that that draft agenda be accepted. 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:

"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 protected intellectual property was brought to the attention of the assembly.

## 6 Reading of the anti-trust statement

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

"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 pamphlet to show that copies were available. No restraint of trade issues were reported.

## 7 Old Business

### 7.1 BSR E1.5 - 200x (a revision of ANSI E1.5 - 2003)

Approval progress report: Karl Ruling said that approving the revised standard was on the ESTA Board's meeting agenda.

### 7.2 BSR E1.23-200x, Entertainment Technology - Design and Execution of Theatrical Fog Effects

Addressing the public review comments in E1-23ScndRevwCmmnts.pdf.

The working group discussed the BSR E1.23 second public review comments and drafted a set of resolutions.

Mike Wood moved that the comment resolutions (F&S/2009-3014) be accepted and that the revised BSR E1.23 draft standard (F&S/2002-3014r13) be offered for a third public review. The motion was seconded and then approved by a supermajority of the working group with a roll call vote.

Name	Company	Representing	Voting status	Int. cat.	Yes	No	Abstain	Not present
Wendy Holt	AMPTP	Alliance of Motion Picture and Television Producers	P	U	X			
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	P	DR	X			
M. Brad Dittmer	Downhome Productions	Downhome Productions	P	U	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	X			
Greg Meeh	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	P	DR				X
Patrick Boyd	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	A	DR				
Martin Michaud	MDG Fog Generators Ltd.	MDG Fog Generators Ltd.	P	MP				X
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G	X			
Ron Bonner	PLASA	PLASA	P	G				X
		Total	8		5	0	0	3
		Votes by interest category	0	CP	0	0	0	0
			1	MP	0	0	0	1
			2	DR	1	0	0	1
			3	U	3	0	0	0
			2	G	1	0	0	1

### 7.3 BSR E1.29 - 200x, fog equipment product safety standard

Approval progress report: Karl Ruling said that approving the new standard was on the ESTA Board's meeting agenda.

## **8 New business: Discussion of possible dust atmospheric effect standard**

There was a discussion of the possibility of developing a standard for dust atmospheric effects. The main technical problem identified was that perhaps there are too few dusts that are both adequately characterized as to their composition and for which there are exposure standards for the components. If we write a standard that requires the constituents of a dust effect to be identified and the exposure of people be limited to levels below applicable exposure standards, but there are few or no dust materials for which this can be done, we'll wind up with a standard that is ignored rather than a standard that steers people into safe work practices.

Larry Schoeneman appointed Mike Wood to a one-person task group to research if there are enough dust products for which there are exposure standards that a standard could be written that would require controlled exposure to the effects material without having the effect of banning all dust effects.

## **9 Other business**

None.

## **10 Liaison Reports**

### **10.1 PLASA**

No report.

### **10.2 NFPA**

Larry Schoeneman said he had no news.

## **11 Schedule for future meetings**

It was announced that the next meeting was scheduled for Saturday 21 November, from 09:00 to 11:00, at the Rosen Plaza Hotel in Orlando. The following meeting is scheduled for Friday 22 January 2010, from 19:00 to 23:00, at the Marriott Solana.

## **12 Adjournment**

Eddie Kramer moved that the meeting adjourn. The motion was seconded and then approved with a show of hands. Schoeneman declared the meeting adjourned at 20:09.

**Working Group Membership and Contact Information as of 24 July 2009**

<b>Name</b>	<b>Company</b>	<b>Representing (This is the sort field.)</b>	<b>Voting status</b>	<b>Int. cat.</b>
Wendy Holt	AMPTP	Alliance of Motion Picture and Television Producers	P	U
Gary Crawford	C I T C	C I T C	O	MP
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
Nathan Kahn	Look Solutions USA Ltd.	Look Solutions USA Ltd.	O	MP
Ulrich Borup Hansen	Martin Professional A/S	Martin Professional A/S	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
Eric Tishman	Rosco Laboratories	Rosco Laboratories	O	MP
Marty Clausen	SHAPE	Safety & Health in Arts Production Entertainment	O	G
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Stephen Vanciel	Stephen Vanciel	Stephen Vanciel	O	U
Reuben Goldberg	Technic Services	Technic Services	O	U

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Colin Waters	TMB	TMB	O	G
Adrian Segeren	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	O	MP
Don Phillips	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	O	MP
Marnie Styles	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	O	MP
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	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	G	general-interest 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		