

**Minutes**  
**Fog & Smoke Working Group**  
Wednesday, 8 March 2017  
St. Louis Marriott Grand  
800 Washington Ave., St. Louis, MO 63101

**Presiding co-chairpersons:**

Brad Dittmer; Stage Labor of the Ozarks; P; U  
Larry Schoeneman; DesignLab Chicago, Inc.; O; DR

**Recording secretaries:**

Karl Ruling and Erin Grabe; ESTA

**Members in attendance:**

Matthew Antonucci; Contract Services Administration Trust Fund; P; U  
Peter T. Donovan; I.A.T.S.E. Local 1; A; DE  
Mark Elliott; Walt Disney Company; P; U  
Edwin S. Kramer; I.A.T.S.E. Local 1; P; DE  
Karl G. Ruling; Unit 12 Productions; I; CP  
Marnie Styles; Ultratec Special Effects Inc.; P; MP  
Mike Wood; Mike Wood Consulting LLC; P; G

**Visitors:**

Roger Lattin; IATSE Local 728

**1 Opening remarks**

Larry Schoeneman called the meeting to order at 7:07 p.m. CT.

**2 Attendance and membership**

**2.1 Introductions of those present**

Self-introductions went clockwise around the room while a creamscicle-colored sign-in sheet was passed around.

**2.2 Determination of quorum**

Larry Schoeneman announced a supermajority present by a count of voters' raised hands.

**2.3 Recognition of alternate voting members**

**2.4 Requirements for membership**

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

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 three consecutive letter ballots or three consecutive meetings are missed. 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. There is a \$100 per person per year participation fee.

**2.5 Processing of new membership applications and change in status requests**

*As of 8 March 2017, the following application was received:*

Peter Donovan; IATSE Local 1; A;

Mike Wood moved to approve the new application. The motion was seconded and unanimously approved by a show of hands.

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

There were no voters in jeopardy of a change in status due to lack of attendance.

## 2.7 Consensus body

The full consensus body of this group at the time of this meeting, including those not present, was:

Name	Representing	Voting status	Int cat
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Edwin S. Kramer	I.A.T.S.E. Local 1	P	DE
Peter T. Donovan	I.A.T.S.E. Local 1	A	DE
Stephen Vanciel	IATSE Local 631	P	U
Mike Wood	Mike Wood Consulting LLC	P	G
Paul Jordan	NBC Universal	P	U
Brad Dittmer	Stage Labor of the Ozarks	P	U
Marnie Styles	Ultratec Special Effects Inc.	P	MP
Don Phillips	Ultratec Special Effects Inc.	A	MP
Karl G. Ruling	Unit 12 Productions	I	CP
Mark Elliott	Walt Disney Company	P	U
<b>Total votes possible</b>			<b>9</b>
<b>Votes by interest categories</b>			1   CP
			1   DE
			0   DR
			1   G
			1   MP
			5   U

## 3 Approval of minutes from the previous meeting

See *FSmin07-2016.pdf*

Eddie Kramer moved to approve the minutes as drafted. The motion was seconded and unanimously approved by a show of hands.

## 4 Approval of agenda

Brad Dittmer moved to approve the agenda as drafted. The motion was seconded and unanimously approved by 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, patent application, 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.

Nothing was revealed.

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

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

ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will do business with or the markets in which members will conduct business.

Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at an ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.

Erin Grabe and Karl Ruling held up copies of the pamphlets. Nothing was reported.

## **7 Old Business**

### **7.1 ANSI E1.5 – 2009 (R2014), Entertainment Technology - Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols** (Reaffirmation, revision, or withdrawal by 9 June 2019)

Mike Wood said that the reaffirmation process should be easy when it comes up, as there is nothing new.

### **7.2 ANSI E1.14 - 2001 (R2013), Entertainment Technology - Recommendations for Inclusions in Fog Equipment Manuals** (Reaffirmation, Revision, or Withdrawal by 13 March 2018)

Brad Dittmer moved to reaffirm this standard. The motion was seconded. A letter ballot with a concurrent public review will be done.

### **7.3 ANSI E1.23 – 2010 (R2015), Entertainment Technology - Design and Execution of Theatrical Fog Effects** (Reaffirmation, revision, or withdrawal by 13 February 2020)

No news or action at this time.

### **7.4 ANSI E1.29 – 2009 (R2014), Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil** (Reaffirmation, revision, or withdrawal by 9 June 2019)

No news or action at this time.

### **7.5 ANSI E1.40 – 2016, Recommendations For the Planning of Theatrical Dust Effects**

(Reaffirmation, revision, or withdrawal by 16 September 2021)

This standard was approved and published! No news or action at this time.

### **7.6 Introduction to Modern Atmospheric Effects, 5th edition**

This document was updated with ESTA's information and published. No news or action at this time.

## **8 New business**

## **9 Other business**

### **9.1 Above & Beyond Awards**

Larry Schoeneman said that the nomination site is open year round at

[http://tsp.esta.org/tsp/news/award\\_nomination.html](http://tsp.esta.org/tsp/news/award_nomination.html).

## **9.2 Other other business**

### **10 Liaison Reports**

Larry Schoeneman reported on the NFPA TIA for flame effects.

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

#### **11.1 July 2017 meetings**

Larry Schoeneman said that the next set of ESTA meetings is scheduled for 22-25 July at the D/FW Marriott Solana in Westlake, TX, but there is no Fog & Smoke meeting scheduled. The group consensus was to wait and see if the reaffirmation brings in public comments to plan the next meeting, but definitely at LDI.

#### **11.2 LDI 2017**

Larry Schoeneman said that the fall meetings will take place around LDI as usual. Meeting dates and a location are to be determined.

### **12 Adjournment**

Eddie Kramer moved to adjourn. The motion was seconded. Hearing no objections, Larry Schoeneman declared the meeting adjourned at 7:45 p.m. CT.

Fog & Smoke Working Group Members as of 8 March 2017

Name	Company	Representing	Voting status	Int cat
Matthew Antonucci	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	P	U
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Paul Beasley	Walt Disney Imagineering	Walt Disney Company	O	U
Margaret Buckalew	Environmental Resource Management (ERM)	Environmental Resource Management (ERM)	O	G
Justin Cicerone	Martin Professional	Harman International Industries	O	MP
Gary Crawford	C I T C	C I T C	O	MP
Brad Dittmer	Stage Labor of the Ozarks	Stage Labor of the Ozarks	P	U
Peter T. Donovan	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	A	DE
Mark Elliott	Walt Disney Company	Walt Disney Company	P	U
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Erin Grabe	ESTA	ESTA	exf	G
Paul Jordan	NBC Universal	NBC Universal	P	U
Kent H. Jorgensen	IATSE Local 80	IATSE Local 80	O	G
Nathan Kahn	Look Solutions USA Ltd.	Look Solutions USA Ltd.	O	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	DE
Martin Michaud	MDG Fog Generators Ltd.	MDG Fog Generators Ltd.	O	MP
Don Phillips	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	A	MP
Monona Rossol	Arts, Crafts & Theater Safety	Monona Rossol	O	G
Karl G. Ruling	Unit 12 Productions	Unit 12 Productions	I	CP
Karl G. Ruling	ESTA	ESTA	exf	G
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	O	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Marnie Styles	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	P	MP
Stephen Vanciel	IATSE Local 631	IATSE Local 631	P	U

Fog & Smoke Working Group Members as of 8 March 2017

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Name	Company	Representing	Voting status	Int cat
Colin Waters	TMB	TMB	O	G
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G

**Voting status:** P = Principal; A = Alternate, I = Individual, O = Observer, exf = Ex Officio

**Interest categories:** DE = Designer; G = General interest; U = User; DR = Dealer or Rental company; MP = Mass-market Producer; CP Custom-market Producer