

**Minutes**  
**Fog & Smoke Working Group**  
17 November 2017  
Tropicana Las Vegas Casino Hotel Resort  
Las Vegas, NV

**Chair:** Brad Dittmer; Stage Labor of the Ozarks; P; U

**Recording secretaries:** Erin Grabe & Karl G. Ruling; ESTA

**Members attending:**

Margaret Burke; Fox Filmed Entertainment (20th Century Fox); P; U

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

Larry Schoeneman; DesignLab Chicago, Inc.; P; DR

Mona Shum; Aura Health and Safety Corporation; I; U

Don Ward; I.A.T.S.E. Local 891; P; G

**1 Opening remarks**

Brad Dittmer called the meeting to order at 15:10 and welcomed the assembly to Las Vegas.

**2 Attendance and membership**

**2.1 Introductions of those present**

Self-introductions took place while a sign-in sheet was passed around.

**2.2 Determination of quorum**

Brad Dittmer announce a quorum present.

**2.3 Recognition of alternate voting members**

**2.4 Requirements for membership**

The following statement was read aloud to the assembly by Brad Dittmer:

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**

The following applications had been received.

Don Ward; IATSE Local 891; Principal voting; General interest

Margaret Burke, MPH; 20th Century Fox; Principal voting; User

Mona Shum; Aura Health and Safety Corporation; Individual voting; User

Larry Schoeneman; Designlab Chicago; requesting a change in status from O to P

Eddie Kramer moved to accept the applications. The motion was seconded. The motion carried by voice votes.

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

None.

## 2.7 Consensus body

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

Delegate	Representing	Voting status	Int. cat.
Margaret Burke, MPH	20th Century Fox	P	U
Mona Shum	Aura Health and Safety Corporation	I	U
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Larry Schoeneman	Designlab Chicago, Inc.	P	DR
Edwin S. Kramer	I.A.T.S.E. Local 1	P	DE
Peter T. Donovan	I.A.T.S.E. Local 1	A	DE
Don Ward	I.A.T.S.E. Local 891	P	G
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>13</b>	
	<b>Votes by interest categories</b>	1	CP
		1	DE
		1	DR
		2	G
		1	MP
		7	U

## 3 Approval of minutes from the previous meeting

See *FSmin07-2016.pdf*

Eddie Kramer moved to approve the minutes of the last meeting as drafted. The motion was seconded and approved on a voice vote.

## 4 Approval of agenda

Eddie Kramer moved to approve the agenda. The motion was seconded and approved by voice vote and WebEx chat.

## 5 Reading of the call for patents

The following statement was read aloud to the assembly by Brad Dittmer:

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.

No patent issues were raised.

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

The following statement was read aloud to the assembly by Brad Dittmer:

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.

Copies of the pamphlets were held up by Karl Ruling and Erin Grabe. Nothing was revealed.

## **7 Old Business**

### **7.1 BSR E1.14, Recommendations for Inclusions in Fog Equipment Manuals**

#### **7.1.1 Results of public review**

The revised version was offered for public review from 11 August through 25 September 2017. No comments were received. [BSR\\_E1-14\\_PublicReviewSummary-NO\\_COMMENTS.pdf](#)

#### **7.1.2 Next steps**

See [BSR\\_E1-14\\_201x.pdf](#), document number F&S/1999-3006r5.

Possible actions:

1. Revise it and offer it for public review if the changes are substantive.
2. Entertain a motion to accept it as an American National Standard.

Eddie Kramer moved to accept the draft standard as an American National Standard. The motion was seconded. The question will be decided by letter ballot.

Karl Ruling explained the ballot process to the newcomers.

### **7.2 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)**

No news or action at this time.

### **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)

Karl Ruling noted the partnership with Actors' Equity to create a poster for display backstage in Equity theatres. The poster is intended to note some of our standards, including this one, and tell actors and technicians where to get them.

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

No news or action at this time.

## **8 New business**

## **9 Other business**

### **10.1 Awards**

#### **10.1.1 Above & Beyond Awards**

*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). Nominate your peers!—all who are worthy.*

#### **10.1.2 ESTA Lifetime Technical Achievement Award**

*It was announced that long-time TSP member, Bob Goddard, was the first recipient of this new award. It is now an established award.*

## **11 Liaison Reports**

### **12 Schedule for future meetings**

*The full meeting schedule may be found at <http://www.esta.org/ESTA/meetings.php>.*

#### **12.1 January ESTA meetings**

*The January ESTA meetings are taking place in conjunction with the NAMM show in Anaheim, California, which is scheduled for 25-28 January 2018, but no Fog & Smoke Working Group meeting is scheduled for that cycle. Should there be one?*

The possible need for a meeting was discussed. Erin Grabe pointed out that if we need to have a meeting in January, we can have one by WebEx.

#### **12.2 The future!**

The consensus of the group was to have a WebEx meeting after the January meetings, should there be a need due to comments or objections received on the E1.14 letter ballot.

## **13 Adjournment**

Margaret Burke moved to adjourn.

Don Ward asked if the data they collected in Vancouver with Local 891 would be of value to the working group. Karl Ruling said yes, that the data would be great, because it might allow use of an aerosol meter other than the pDR 1000AN for fog testing.

Hearing no objections, Brad Dittmer declared the meeting adjourned at 16:03.

Fog & Smoke Working Group Members as of 19 December 2017

Delegate	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
Justin Cicerone	Martin Professional	Harman International Industries	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
Margaret Burke, MPH	Fox Filmed Entertainment	20th Century Fox	P	U
Don Phillips	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	A	MP
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.	P	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Mona Shum	Aura Health and Safety Corporation	Aura Health and Safety Corporation	I	U
Marnie Styles	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	P	MP
Stephen Vanciel	IATSE Local 631	IATSE Local 631	P	U
Don Ward	I.A.T.S.E. Local 891	I.A.T.S.E. Local 891	P	G
Colin Waters	TMB	TMB	O	G

Fog & Smoke Working Group Members as of 19 December 2017

Delegate	Company	Representing	Voting status	Int. cat.
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