

Minutes
Fog & Smoke Working Group

Friday, 18 March 2016

09:00 – 11:00

Salt Lake City Downtown Marriott at City Creek

75 South West Temple

Salt Lake City, UT 84101

Presiding chair: Brad Dittmer, Stage Labor of the Ozarks,

Recording secretaries: Erin Grabe, ESTA; Karl G. Ruling, ESTA

Members attending:

Matthew Antonucci; Contract Services Administration Trust Fund; P; U

Gary Crawford; C I T C; O; MP

Mark Elliott; Walt Disney Company; P; U

Edwin S. Kramer; I.A.T.S.E. Local 1; I.A.T.S.E. Local 1; P; U

Martin Michaud; MDG Fog Generators Ltd.; O; MP

Karl G. Ruling; Unit 12 Productions; I; CP

Stephen Vanciel; IATSE Local 631; P; U

Visitors: Thierry Pouliot; MDG Fog Generators Ltd.
Roger Lattin; IATSE Local 728

1 Opening remarks

Brad Dittmer called the meeting to order at 09:04. He thanked all attending for being here, for taking time out of their busy schedules as we strive to make this a better industry.

2 Attendance and membership

2.1 Introductions of those present

Self introductions were offered as a hot pink sign-in sheet was circulated.

2.2 Determination of quorum

Brad Dittmer announced that a quorum was present.

2.3 Recognition of alternate voting members

There were none to recognize.

2.4 Requirements for membership

Dittmer's voice was hoarse, so the following statement was read aloud to the assembly by Karl Ruling:

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

Applications were on file from

Heather Rowe; AMPPTP; Alternate; User

Karl Ruling; Unit 12 Productions; Individual; Custom-market Producer

Eddie Kramer moved that both applications be accepted. The motion was seconded and then approved with a show of hands.

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

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

2.7 People removed by request

Reuben Goldberg; Technic Services; was an Observer; U

2.8 People removed from the membership body because of no participation fee:

- Clive Bailey; Martin Professional A/S; O; MP
- Matthew R. DeLong; Rosco Laboratories; P; MP
- Gary Fails; City Theatrical, Inc.; O; MP
- Lowell Fowler; High End Systems Inc.; O; MP
- Randy L. Fox; Walt Disney Company; O; U
- Peggy Lee Martindale; University of Texas, Austin; O; G
- Adrian Segeren; Ultratec Special Effects Inc.; O; MP
- Eric Tishman; Rosco Laboratories; O; MP

2.9 Consensus body

The full consensus body during this meeting was:

Delegate	Representing	Voting status
Matthew Antonucci	Contract Services Administration Trust Fund	P
Heather Rowe	Contract Services Administration Trust Fund	A
Larry Schoeneman	DesignLab Chicago, Inc.	P
Edwin S. Kramer	I.A.T.S.E. Local 1	P
Stephen Vanciel	IATSE Local 631	P
Mike Wood	Mike Wood Consulting LLC	P
Paul Jordan	NBC Universal	P
Brad Dittmer	Stage Labor of the Ozarks	P
Marnie Styles	Ultratec Special Effects Inc.	P
Don Phillips	Ultratec Special Effects Inc.	A
Karl G. Ruling	Unit 12 Productions	I
Mark Elliott	Walt Disney Company	P
	Total votes possible	10
		1
		0
	Votes by interest categories	1
		1
		1
		6

3 Approval of minutes from the previous meeting

See *FSmin07-2015.pdf*

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

4 Approval of agenda

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

5 Reading of the call for patents

Dittmer's voice was hoarse, so the following statement was read aloud to the assembly by Karl Ruling:

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 reported.

6 Reading of the anti-trust statement

Dittmer's voice was hoarse, so the following statement was read aloud to the assembly by Karl Ruling:

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 held up the pamphlet to show that copies were it was available at this meeting. 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 2019)

No news or action at this time.

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

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 2020)

It's published! 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 2019)

No news or action on this document at this time.

Eddie Kramer said he came across a book, *Toxicity of Military Smokes and Obscurants*. Karl Ruling said that many in the group were aware of some existing research on oil fogs; Marc Gingras had been unhappy with Ruling when he had cited some military fog toxicity documents in the past. Gingras said that the military fogs are often much more toxic than theatrical fogs.

7.5 Introduction to Modern Atmospheric Effects, 5th edition

No news or action on this document at this time.

8 New business

8.1 Revision of ANSI E1.40 – 2011, Recommendations For the Planning of Theatrical Dust Effects

Revision because it is at its 5th anniversary and it does not currently address deflagration. Monona Rossol also has suggested other changes for accuracy. See [Rossol_dust-stn-changes.pdf](#) and [E1-40Dust_201x.pdf](#).

Eddie Kramer moved that we revise E1.40. The motion was seconded. There was discussion during which the draft document was changed, making an r3 version of the document. The motion was approved with a unanimous show of hands.

Mark Elliot moved that we offer the revised document for public review after the ANSI PINS challenge period, provided there are no challenges. The motion was seconded. The motion was approved with a unanimous show of hands.

8.2 Other new business

None.

9 Other business

9.1 Above & Beyond Awards

Brad Dittmer reminded the group The nomination site is open year round at http://tsp.esta.org/tsp/news/award_nomination.html

9.2 Other other business

Brad Dittmer asked that people consider becoming Investors in Innovation. If anyone who would like to help support the TSP, the Investors in Innovation is a vehicle for doing that. The donation page is at http://tsp.esta.org/tsp/inv_in_innovation/sponsor.html.

10 Liaison Reports

No liaison reports were offered.

11 Schedule for future meetings

It was announced that the next Fog & Smoke Working Group meeting is scheduled for July 15, from 14:00 to 16:00 at the Roosevelt Hotel. This is just before the NATEAC conference to be held in the same hotel.

The next set of TSP meetings after that is scheduled to be held in Las Vegas in conjunction with LDI in October.

12 Adjournment

Eddie Kramer moved that the meeting adjourn. The motion was seconded. Hearing no objections, Brad Dittmer declared the meeting adjourned at 10:35.

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
Ron Bonner	PLASA Technical Resources Office	PLASA EU	O	G
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
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	U
Greg Meeh	Jauchem & Meeh, Inc.	Jauchem & Meeh, Inc.	O	DR
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
Heather Rowe	Contract Services Administration Trust Fund	Contract Services Administration Trust Fund	A	U
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

Delegate	Company	Representing	Voting status	Int. cat.
Marnie Styles	Ultratec Special Effects Inc.	Ultratec Special Effects Inc.	P	MP
Stephen Vanciel	IATSE Local 631	IATSE Local 631	P	U
Colin Waters	TMB	TMB	O	G
Mike Wood	Mike Wood Consulting LLC	Mike Wood Consulting LLC	P	G

Key to codes:**Voting status**

P Principal
A Alternate
I Individual
O Observer

Interest categories

CP Custom-market Producer
MP Mass-market Producer
DR Dealer or Rental company
U User
G General interest
DE Designer