

Minutes
Fog & Smoke Working Group
07 February 2020
via WebEx

Working group leader: Brad Dittmer; Stage Labor of the Ozarks

Recording secretaries: Richard Nix & Karl Ruling; ESTA

Members attending:

Matthew Antonucci; Contract Services Administration Trust Fund; P; U
Brad Dittmer; Stage Labor of the Ozarks; P; U
Cedric Jackson; Screen Actors Guild - American Federation of Television & Radio Artists; P; U
Joseph Kapp; Hillmann Consulting, LLC; P; G
Edwin S. Kramer; I.A.T.S.E. Local 1; P; DE
Franco Magliozzi; Chubb; O; G
Don Phillips; Ultratec Special Effects Inc.; P; MP
Karl G. Ruling; Unit 12 Productions; I; CP
Mona Shum; Aura Health and Safety Corporation; I; U
Keith Sklar; Actors' Equity Association; P; U
Stephen Vanciel; IATSE Local 631; P; U
Mike Wood; Mike Wood Consulting LLC; P; G

Visitor: Michael Skinner; Contract Services Administration Trust Fund

1 Opening Remarks

Brad Dittmer had not yet log on at the meeting start time, so Karl Ruling called the meeting to order at 11:03 EST. He welcomed all to the WebEx meeting.

2 Patent and anti-trust statements

2.1 Reading of the anti-trust statement

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 or will not 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.

No anti-trust concerns were brought to the attention of the assembly.

2.2 Reading of the call for patents

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 protected 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 revealed.

3 Attendance and Membership

3.1 Requirements for membership

The following statement was read aloud to the assembly by Karl Ruling:

Membership is open to all parties who are affected by the work of the group; membership in ESTA is not a requirement, but there is a \$100/person/year participation fee to help fund the costs of running the Technical Standards Program. Voting members are required to attend meetings and vote on letter ballots. Any principal member and alternate that both miss three consecutive meetings or that miss three consecutive letter ballots will have their membership status changed to observer. This action will be taken at the beginning of the first meeting after such inaction and will be recorded in the minutes of that meeting.

3.2 Introduction of attendees

3.3 Determination of a quorum

At this point Brad Dittmer took over running the meeting. He announced that we have more than 50% of the voting body was present.

3.4 Processing of new membership and status change requests

The following applications and status change requests have been received:

Franco Magliozzi; Chubb; O; G

Mike Wood moved that Magliozzi's application be accepted. The motion was seconded. It was approved unanimously.

Don Phillips asked to be moved from observer to principal voting status. (Marnie Styles would become the alternate for Ultratec Special Effects.) Mike Wood moved that his request be granted. The motion was seconded. It was approved unanimously.

3.5 Changes to observer status

3.5.1 Changes due to attendance

The following voters have missed the past two meetings. Their voting status will be changed to that of Observer if this meeting is also missed.

Marnie Styles; Ultratec Special Effects; MP. Don Phillips present for Ultratec. She was moved to alternate.

Mark Elliott; Walt Disney Company; User. He was not present, so he was moved to observer status.

3.5.2 Changes due to missed ballots

No changes.

3.6 Consensus body

The consensus body during this meeting was:

Name	Representing	Status	Int Cat
Keith Sklar	Actors' Equity Association	P	G
Mona Shum	Aura Health and Safety Corporation	I	U
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Chris Moulton	Contract Services Administration Trust Fund	A	U
Joseph Kapp	Hillmann Consulting, LLC	P	G

Name	Representing	Status	Int Cat
Edwin S. Kramer	I.A.T.S.E. Local 1	P	DE
Stephen Vanciel	IATSE Local 631	P	U
Mike Wood	Mike Wood Consulting LLC	P	G
Paul Jordan	NBC Universal	P	U
Cedric Jackson	SAG - AFTRA	P	U
Brad Dittmer	Stage Labor of the Ozarks	P	U
Don Phillips	Ultratec Special Effects Inc.	P	MP
Marnie Styles	Ultratec Special Effects Inc.	A	MP
Karl G. Ruling	Unit 12 Productions	I	CP
	Total votes possible	12	
Custom market producer	Votes by interest category	1	CP
Designer		1	DE
Dealer/Rental company		0	DR
General interest		3	G
Mass marker producer		1	MP
User		6	U

4 Approval of the minutes from the last meeting

(See FS_Min_10-2019_DRAFT.pdf)

Eddie Kramer moved that we approve the minutes as written. The motion was seconded and then approved with all voting in favor.

5 Approval of agenda

Matt Antonucci moved that we approve the agenda. The motion was seconded and then approved with all voting in favor.

6 Old Business

6.1 ANSI E1.5 – 2009 (R2018), Entertainment Technology - Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (Reaffirmation, revision, or withdrawal by 29 November 2023)

No news or action.

6.2 ANSI E1.14 - 2018, Entertainment Technology—Recommendations for Inclusions in Fog Equipment Manuals (Revise, reaffirm, or withdraw by 27 February, 2023).

No news or action.

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

Resolution of public review comments and next steps. (See SummaryE1-23_Comments&Resols.pdf and BSR_E1-23_20xx_r19.pdf)

Joseph Kapp spoke about the confusion and concerns that exists among people who are exposed to theatrical fog. There was a general discussion of what could be done to address these confusion and concerns. Mike Wood reminded the group that the agenda item is to approve the resolutions or not, and then to move on with the draft standard.

Steve Vanciel moved that we accept the draft comment resolutions. The motion was seconded. The motion was approved by roll call ballot.

Name	Representing	Status	Int Cat	Vote cast
Keith Sklar	Actors' Equity Association	P	G	Y
Mona Shum	Aura Health and Safety Corporation	I	U	Y
Matthew Antonucci	Contract Services Administration Trust Fund	P	U	Y
Chris Moulton	Contract Services Administration Trust Fund	A	U	
Joseph Kapp	Hillmann Consulting, LLC	P	G	Y
Edwin S. Kramer	I.A.T.S.E. Local 1	P	DE	Y
Stephen Vanciel	IATSE Local 631	P	U	Y
Mike Wood	Mike Wood Consulting LLC	P	G	Y
Paul Jordan	NBC Universal	P	U	
Cedric Jackson	SAG - AFTRA	P	U	Y
Brad Dittmer	Stage Labor of the Ozarks	P	U	Y
Don Phillips	Ultratec Special Effects Inc.	P	MP	Y
Marnie Styles	Ultratec Special Effects Inc.	A	MP	
Karl G. Ruling	Unit 12 Productions	I	CP	Y
	Total votes possible	12		11
Custom market producer	Votes by interest category	1	CP	1
Designer		1	DE	1
Dealer/Rental company		0	DR	0
General interest		3	G	3
Mass marker producer		1	MP	1
User		6	U	5

Mike Wood moved to approve BSR E1.23 as an ANS. The motion was seconded. The question shall be decided by letter ballot.

Keith Sklar spoke on the possible changes needed to other standards that set exposure limits for fog and particulates (dust), but BSR E1.23 is a step forward.

6.4 ANSI E1.29 – 2009 (R2018), 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 06 November 2023)
No news or action.

6.5 ANSI E1.40 – 2016, Recommendations For the Planning of Theatrical Dust Effects (*Reaffirmation, revision, or withdrawal by 16 September 2021*)
No news or action. Brad Dittmer urged people to look it to see if we need work on it in the relatively near future.

6.6 Introduction to Modern Atmospheric Effects, 6th edition
Brad Dittmer suggested that the *Introduction* might be a good place to discuss the difference between solid particulate matter and vapor droplets. Karl Ruling agreed, and also suggested this might be a good topic for a

Protocol article. Joe Kapp agreed with both suggestions.

Brad Dittmer asked Karl Ruling if he would write something up for review at the next meeting. He said he would try to do it.

7 New business

Mona Shum gave an update on the Canadian study on Fog & Smoke. The preliminary report has been given to the unions for review and comment. They have enlisted the expertise of a cardiopulmonary specialist to assist in the study, and are actively seeking funding to complete the project. She also said they have had difficulty gaining access to sets, for on-site exposure level monitoring, so one of the possible alternatives is to provide monitoring equipment to onsite-staff for self-monitoring.

Matt Antonucci asked Cedric Jackson if he had any updates on new rules in Georgia pertaining to exposure of fog and smoke effects to minors, based on recommendations made to them by SAG-AFTRA. Cedric said that the proposed changes are still in revision process, and he will keep us advised of progress.

8 Other business and announcements

8.1 Above & Beyond Awards

Attendees were reminded by Brad Dittmer that information on the Above & Beyond Awards may be found at http://tsp.esta.org/tsp/news/award_recipients.html. The nomination site is open year round, and the award is designed for members to highlight the work of their peers.

8.2 Other announcements

None.

9 Schedule for future meetings

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

9.1 Spring 2020 meetings (USITT, Houston, TX)

It was also announced that the Spring 2020 meetings will be held in conjunction with the USITT conference in Houston, TX, from 01-04 April 2020. The complete schedule has not yet been confirmed, but there is no Fog & Smoke Working Group meeting scheduled at this time.

Brad Dittmer said he did not think a meeting would be necessary, unless the letter ballot gets a “No” vote.

9.2 Summer 2020 meetings (NATEAC, NYC)

The Summer 2020 meetings will be held in conjunction with the North American Theatre Engineering and Architecture Conference in New York City, 19-20 July 2020. The complete schedule has not yet been confirmed.

Brad Dittmer also said he did not think a meeting would be necessary in July either, but we would wait and see how the BSR E1.23 Letter Ballot concluded.

10 Adjournment

Mike Wood that the meeting adjourn. The motion was seconded. Hearing no objections, Brad Dittmer declared he meeting adjourned at 11:54.

Fog & Smoke Working Group members as 11 February 2020

Delegate	Representing	Voting status	Int. cat.
Matthew Antonucci	Contract Services Administration Trust Fund	P	U
Robert Barbagallo	Solotech Inc.	O	U
Paul Beasley	Walt Disney Company	O	U
Justin Bennett	University of the Incarnate Word	O	U
Brad Dittmer	Stage Labor of the Ozarks	P	U
Mark Elliott	Walt Disney Company	O	U
Mike Garl	Mike Garl Consulting LLC	exf	
Jerry Gorrell	Theatre Safety Programs	O	G
Erin Grabe	ESTA	exf	G
Robert Haycock	UC Berkeley	O	U
Cedric Jackson	Screen Actors Guild - American Federation of Television & Radio Artists	P	U
Paul Jordan	NBC Universal	P	U
Nathan Kahn	Look Solutions USA Ltd.	O	MP
Joseph Kapp	Hillmann Consulting, LLC	P	G
Edwin S. Kramer	I.A.T.S.E. Local 1	P	DE
Franco Magliozzi	Chubb Group of Insurance Companies	O	G
Tyler Mickley	Look Solutions, LLC.	O	CP
Chris Moulton	Contract Services Administration Trust Fund	A	U
Richard J. Nix	ESTA	exf	G
Don Phillips	Ultratec Special Effects Inc.	P	MP
Karl G. Ruling	Unit 12 Productions	I	CP
Karl G. Ruling	ESTA	exf	G
Larry Schoeneman	Larry Schoeneman	O	G
Ford Sellers	Chauvet Lighting	O	MP

Fog & Smoke Working Group members as 11 February 2020

Delegate	Representing	Voting status	Int. cat.
Mona Shum	Aura Health and Safety Corporation	I	U
Keith Sklar	Actors' Equity Association	P	G
Marnie Styles	Ultratec Special Effects Inc.	A	MP
Stephen Vanciel	IATSE Local 631	P	U
Colin Waters	TMB	O	G
Mike Wood	Mike Wood Consulting LLC	P	G

Key to codes:

P	Principal voter	CP	Custom-market producer
A	Alternate voter	DE	Designer
I	Individual voter	DR	Dealer/Rental company
O	Observer, non-voter	G	General interest
		MP	Mass-market producer
		U	User