

**Minutes**  
**Fog and Smoke Working Group**  
18 January 2003  
Dallas/Ft. Worth Airport Marriott South  
Ft. Worth, TX

**Chairman:** Larry Schoeneman; Interesting Products, Inc.; P; MP

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

**Members attending:** Patrick O'Rourke; Big Apple Lights; O; DR  
Eric Tishman; Rosco Laboratories; P; MP  
Nathan Kahn; Theatre Effects, Inc.; P; MP  
Adrian Segeren; Le Maitre Special Effects; P; MP  
Bill Hektner; USITT; P; G  
Greg Meeh; Jauchem & Meeh, Inc.; P; U  
Mike Wood; High End Systems Inc.; P; MP  
Martin Michaud; MDG Fog Generators Ltd.; A; MP  
M. Brad Dittmer; Downhome Productions; P; U  
Ron Bonner; PLASA; P; G  
Gary Crawford; C I T C; O; MP (on phone)

**1 Opening remarks**

Larry Schoeneman called the meeting to order at 19:03.

**2 Attendance and membership**

**2.1 Introductions of those present**

Schoeneman asked those present to introduce themselves. They did so, proceeding in a clockwise direction around the conference table.

A chartreuse sign-in sheet circulated. Attendees were instructed to indicate their presence on the sheet.

Gary Crawford was not present, but could hear the meeting and comment via speakerphone.

**2.2 Determination of quorum**

Schoeneman noted that more than half the voting body was present, which exceeded the requirement for a quorum.

**2.3 Recognition of alternate voting members**

Martin Michaud would be voting for MDG.

**2.4 Requirements for membership**

Schoeneman reminded those present that the working group is open to all who are affected by the work of the group, but that voting members must vote on letter ballots and attend meetings. Except for organizational members, a member's voting status will be changed to observer if he and his alternate at the beginning of the third consecutive meeting missed, pending attendance at another meeting.

**2.5 Processing of new membership applications**

Schoeneman read the new applications. Ron Bonner of PLASA applied as the principal voting member for PLASA to replace Tim Cox, who had resigned. Reuben Goldberg of Technic Services and an IATSE member applied as an observer. Schoeneman asked for a show of support for the applications, and the applications were accepted by acclamation.

## 2.6 Processing of changes to observer status

None needed.

The complete voting body of record, including those not present, was:

| name                   | company                                | representing               | voting status | interest category |
|------------------------|--|----------------------------|---------------|-------------------|
| Gary Falls             | City Theatrical, Inc.                  | City Theatrical, Inc.      | P             | MP                |
| M. Brad Dittmer        | Downhome Productions - Springfield, MO | Downhome Productions       | P             | U                 |
| Lowell Fowler          | High End Systems Inc.                  | High End Systems Inc.      | A             | MP                |
| Byron Ziegler          | High End Systems Inc.                  | High End Systems Inc.      | A             | MP                |
| Mike Wood              | High End Systems Inc.                  | High End Systems Inc.      | P             | MP                |
| Edwin S. Kramer        | I.A.T.S.E., Local 1                    | I.A.T.S.E. Local 1         | P             | U                 |
| Larry Schoeneman       | Interesting Products, Inc.             | Interesting Products, Inc. | P             | MP                |
| Patrick Boyd           | Jauchem & Meeh, Inc.                   | Jauchem & Meeh, Inc.       | A             | DR                |
| Greg Meeh              | Jauchem & Meeh, Inc.                   | Jauchem & Meeh, Inc.       | P             | DR                |
| Adrian Segeren         | Le Maitre Special Effects              | Le Maitre Special Effects  | P             | MP                |
| Martin Michaud         | MDG Fog Generators Ltd.                | MDG Fog Generators Ltd.    | A             | MP                |
| Marc Gingras           | MDG Fog Generators Ltd.                | MDG Fog Generators Ltd.    | P             | MP                |
| Ron Bonner             | PLASA                                  | PLASA                      | P             | G                 |
| Tony Douglas-Beveridge | PLASA                                  | PLASA                      | A             | G                 |
| Michael Sean Graves    | Rosco Laboratories                     | Rosco Laboratories         | A             | MP                |
| Eric Tishman           | Rosco Laboratories                     | Rosco Laboratories         | P             | MP                |
| David Honigs           | Theatre Effects, Inc.                  | Theatre Effects, Inc.      | A             | MP                |
| Nathan Kahn            | Theatre Effects, Inc.                  | Theatre Effects, Inc.      | P             | MP                |
| Bill Hektner           | USITT                                  | USITT                      | P             | G                 |
| Eckart Steffens        | SOUNDLIGHT                             | VPLT                       | A             | G                 |
| Gunther Schaidt        | Safex Chemie                           | VPLT                       | A             | G                 |
| Florian von Hofen      | VPLT                                   | VPLT                       | P             | G                 |
|                        |  | TOTAL                      | 13            |                   |
|                        |  | MP                         | 7             |                   |
|                        |  | CP                         | 0             |                   |
|                        |  | DR                         | 1             |                   |
|                        |  | U                          | 2             |                   |
|                        |  | G                          | 3             |                   |

## 3 Approval of minutes from the previous meeting

Brad Dittmer moved that the draft minutes of the previous meeting be accepted as written. The motion was seconded. The motion was accepted with a unanimous voice vote.

## 4 Approval of Agenda

Bill Hektner moved that the draft agenda be accepted. The motion was seconded. The motion was accepted on a show of hands.

## 5 Reading of the call for patents

Larry Schoeneman read the following statement aloud to the assembly:

"ESTA intends to publish no standard that contains protected intellectual property, unless that property can be licensed by anyone for a reasonable fee. ESTA uses a process of open patent disclosures to implement this intent. ESTA does not conduct patent searches and does not warrant that its standards contain no protected intellectual property.

"In keeping with the open disclosure policy, I ask if anyone present wishes to notify the working group of the existence of a patent or copyright that might protect material in a standard being developed by the working group. You need not be the holder of the patent or copyright in order to notify the working group of its existence."

No protected intellectual property issues were brought to the attention of the assembly.

## 6 Reading of the anti-trust statement

Larry Schoeneman read the following statement aloud to the assembly:

"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 \$100,000 and imprisoned for up to three years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl G. Ruling held up some copies of the pamphlet to show their availability. No restraint of trade issues were brought to the attention of the assembly.

## 7 Task group and committee reports

### 7.1 TSC

Larry Schoeneman reviewed the progress reports given in the Friday TSC meeting. He reported the results of the vote on allowing telephonic attendance. Schoeneman had asked for a standard procedure for handling requests to call in to a meeting. The policy adopted was that if a working group member wishes to attend a meeting by calling in due to special circumstances, that it shall be requested two-weeks in advance, and it shall be permitted at the discretion of the Chair. In all cases, a \$50 fee plus the costs associated with the call shall be charged to the person calling in.

### 7.2 Fog standard E1.5

#### 7.2.1 Public review comment resolutions

Mike Wood moved that the comment resolutions offered in "PROPOSED Responses to Second Public Review Comments for BSR E1.5 – Entertainment Technology — Theatrical Fog Made With Aqueous Solutions Of Di- And Trihydric Alcohols" (document F&S/2002-3019) be accepted. The motion was seconded. By a show of hands, the motion was accepted unanimously. Ruling said he would remove "PROPOSED" from the title.

#### 7.2.2 Approval of draft standard

Brad Dittmer moved that BSR E1.5, Entertainment Technology — Theatrical Fog Made With Aqueous Solutions Of Di- And Trihydric Alcohols (document F&S/1997-3017r7.5) be accepted as an American National Standard. The motion was seconded. The motion was accepted by a supermajority of the working group on a roll call ballot.

| name              | company                                | representing               | voting status | interest category | yes | no | abstain |
|-------------------|--|----------------------------|---------------|-------------------|-----|----|---------|
| Gary Fails        | City Theatrical, Inc.                  | City Theatrical, Inc.      | P             | MP                | 0   | 0  | 0       |
| M. Brad Dittmer   | Downhome Productions - Springfield, MO | Downhome Productions       | P             | U                 | 1   | 0  | 0       |
| Mike Wood         | High End Systems Inc.                  | High End Systems Inc.      | P             | MP                | 1   | 0  | 0       |
| Edwin S. Kramer   | I.A.T.S.E., Local 1                    | I.A.T.S.E. Local 1         | P             | U                 | 0   | 0  | 0       |
| Larry Schoeneman  | Interesting Products, Inc.             | Interesting Products, Inc. | P             | MP                | 1   | 0  | 0       |
| Greg Meeh         | Jauchem & Meeh, Inc.                   | Jauchem & Meeh, Inc.       | P             | DR                | 1   | 0  | 0       |
| Adrian Segeren    | Le Maitre Special Effects              | Le Maitre Special Effects  | P             | MP                | 1   | 0  | 0       |
| Martin Michaud    | MDG Fog Generators Ltd.                | MDG Fog Generators Ltd.    | A             | MP                | 1   | 0  | 0       |
| Ron Bonner        | PLASA                                  | PLASA                      | P             | G                 | 1   | 0  | 0       |
| Eric Tishman      | Rosco Laboratories                     | Rosco Laboratories         | P             | MP                | 1   | 0  | 0       |
| Nathan Kahn       | Theatre Effects, Inc.                  | Theatre Effects, Inc.      | P             | MP                | 1   | 0  | 0       |
| Bill Hektner      | USITT                                  | USITT                      | P             | G                 | 1   | 0  | 0       |
| Eckart Steffens   | SOUNDLIGHT                             | VPLT                       | A             | G                 | 0   | 0  | 0       |
| Gunther Schaidt   | Safex Chemie                           | VPLT                       | A             | G                 | 0   | 0  | 0       |
| Florian von Hofen | VPLT                                   | VPLT                       | P             | G                 | 0   | 0  | 0       |
| TOTAL             |  |                            |               | 13                | 10  | 0  | 0       |

The vote breakdown by interest category was:

| Total possible in each interest category |   | yes | no | abstain |
|--|---|-----|----|---------|
| MP                                       | 7 | 6   |    |         |
| CP                                       | 0 |     |    |         |
| DR                                       | 1 | 1   |    |         |
| U  | 2 | 1   |    |         |
| G  | 3 | 2   |    |         |

### 7.3 Generic fog effect guidance project

#### 7.3.1 Vote to make it a standard-drafting project

Karl Ruling reminded people that he needs to announce the beginning of each new standards project, which would seem to be appropriate for this one, but that we hadn't had a formal vote to start work on this document.

Mike Wood moved that we make the generic fog standard project a project to draft an American National Standard. The motion was seconded. The motion was accepted by a unanimous voice vote.

#### 7.3.2 Homework assignments

Ruling apologized for not having prepared another draft of the document. He'd received text from Greg Meeh, Adrian Segeren, Eric Tishman, and Larry Schoeneman, but had not had time to put them into where they should go in the outline. He said he had every intention of having something for the next meeting.

### 8 Old Business - Fire detector guidance document

Schoeneman reported that he had spoken to Bill Conner (ASTC's representative on the TSC) about this issue and the advisability of us writing a guidance document. This seems likely to be more fruitful than writing to someone at the NFPA to ask for guidance.

Schoeneman appointed Greg Meeh, Eric Tishman, Adrian Segeren to work on a project to write a guidance document on how to specify fire alarm initiation systems that are not likely to initiate false alarms in places of public assembly where pyrotechnics and fog effects are used. Ron Bonner also volunteered to work on this project.

Schoeneman asked for a report back to the working group at the next meeting on how the task group plans to proceed.

### 9 Liaison Reports

#### 9.1 PLASA

Ron Bonner did not have a report at this time.

#### 9.2 VPLT

Neither Von Hofen nor Steffens were present. No report.

#### 9.3 The Kramer and Fails Report

Neither Kramer nor Fails were present. No report.

#### 9.4 NFPA

No new meetings the SPE-AAA technical committee are scheduled, reported Larry Schoeneman. The chairman of the committee Henry Renfrew has died, and a new chairman is needed. Jules Lauve has been suggested.

**10 New business**

None.

**11 Other business**

**11.1** Schoeneman asked for an update on the fog testing program. Ruling talked about the response rate for the program, which has not been high. There was a discussion of how the fog testing program could be marketed better so that the equipment is rented. Ruling said that there is a testing program fog and pony show scheduled for USITT. There was the suggestion that we should have a sign-up list at the ESTA booth at USITT. It was agreed that there shall be a presentation of the testing program for the Health and Safety Commission at the USITT conference.

**11.2** There was a discussion of the attempts to ban fog in city buildings in San Francisco.

**12 Schedule for future meetings**

The next meeting shall be at 7:00 in the morning on Friday, 21 March 2003 at the Hilton Minneapolis, announced Schoeneman. Martin Michaud offered to have MDG supply the breakfast.

**13 Adjournment**

Bill Hektner moved that the meeting adjourn. The motion was seconded. The motion was approved by acclamation. Schoeneman declared the meeting adjourned at 20:26.

## Fog & Smoke Working Group Membership and Contact Info as of 2003-01-31

| Name                   | Company                                | Representing               | Voting status | Int. cat |
|------------------------|--|----------------------------|---------------|----------|
| Murray Gellatly        | A.C. Lighting Ltd.                     | A.C. Lighting Ltd.         | O             | DR       |
| Patrick O'Rourke       | Big Apple Lights                       | Big Apple Lights           | O             | DR       |
| F. Lee Iwanski         | Big Apple Lights                       | Big Apple Lights           | O             | DR       |
| Gary Crawford          | C I T C                                | C I T C                    | O             | MP       |
| Gary Fails             | City Theatrical, Inc.                  | City Theatrical, Inc.      | P             | MP       |
| M. Brad Dittmer        | Downhome Productions - Springfield, MO | Downhome Productions       | P             | U        |
| Norman Wright          | Group One Ltd.                         | Group One                  | O             | DR       |
| Mike Wood              | High End Systems Inc.                  | High End Systems Inc.      | P             | MP       |
| Lowell Fowler          | High End Systems Inc.                  | High End Systems Inc.      | A             | MP       |
| Byron Ziegler          | High End Systems Inc.                  | High End Systems Inc.      | A             | MP       |
| Edwin S. Kramer        | I.A.T.S.E., Local 1                    | I.A.T.S.E. Local 1         | P             | U        |
| Larry Schoeneman       | Interesting Products, Inc.             | Interesting Products, Inc. | P             | MP       |
| Jack Suesse            | J.R. Clancy, Inc.                      | J.R. Clancy, Inc.          | O             | G        |
| Greg Meeh              | Jauchem & Meeh, Inc.                   | Jauchem & Meeh, Inc.       | P             | U        |
| Patrick Boyd           | Jauchem & Meeh, Inc.                   | Jauchem & Meeh, Inc.       | A             | DR       |
| Adrian Segeren         | Le Maitre Special Effects              | Le Maitre Special Effects  | P             | MP       |
| Marc Gingras           | MDG Fog Generators Ltd.                | MDG Fog Generators Ltd.    | P             | MP       |
| Martin Michaud         | MDG Fog Generators Ltd.                | MDG Fog Generators Ltd.    | A             | MP       |
| Monona Rossol          | Arts, Crafts & Theater Safety          | Monona Rossol              | O             | G        |
| Kent H. Jorgensen      | MPS Grips, Local 80                    | MPS Grips, Local 80        | O             | G        |
| Ron Bonner             | PLASA                                  | PLASA                      | P             | G        |
| Tony Douglas-Beveridge | PLASA                                  | PLASA                      | A             | G        |
| Douglas Franz          | QVC Network                            | QVC Network                | O             | U        |
| Jim Gill               | Reel EFX, Inc.                         | Reel EFX                   | O             | MP       |
| Martin Becker          | Reel EFX, Inc.                         | Reel EFX                   | O             | MP       |
| Eric Tishman           | Rosco Laboratories                     | Rosco Laboratories         | P             | MP       |
| Michael Sean Graves    | Rosco Laboratories                     | Rosco Laboratories         | A             | MP       |
| Heinz Siller           | RST Presentations-systeme              | RST Presentations-systeme  | O             | G        |
| Beverly Huggins        | SFX Design, Inc.                       | SFX Design, Inc.           | O             | MP       |
| Reuben Goldberg        | Technic Services                       | Technic Services           | O             | U        |
| Nathan Kahn            | Theatre Effects, Inc.                  | Theatre Effects, Inc.      | P             | MP       |
| David Honigs           | Theatre Effects, Inc.                  | Theatre Effects, Inc.      | A             | MP       |
| Jerry Gorrell          | Theatre Safety Programs                | Theatre Safety Programs    | O             | G        |
| Thomas Costello        | TJC and Associates                     | TJC and Associates         | O             | G        |
| Colin Waters           | TMB                                    | TMB                        | O             | G        |
| James F. Foley         | UCISCO, Inc.                           | UCISCO, Inc.               | O             | MP       |
| Bill Hektner           | USITT                                  | USITT                      | P             | G        |
| Florian von Hofen      | VPLT                                   | VPLT                       | P             | G        |
| Eckart Steffens        | SOUNDLIGHT                             | VPLT                       | A             | G        |
| Gunther Schaidt        | Safex Chemie                           | VPLT                       | A             | G        |
| Mark Elliott           | Walt Disney Company                    | Walt Disney Company        | O             | U        |
| Michael Zilz           | Zilz International GmbH                | Zilz International GmbH    | O             | G        |

Key to codes: P principal voting member  
 A alternate voting member  
 I individual voting member  
 O observer, non-voting

MP mass-market producer interest category  
 CP custom-market producer interest category  
 DR dealer or rental company interest category  
 U user interest category  
 G general-interest interest category