

**Minutes**  
**Followspot Position Working Group Meeting**  
Thursday, 18 January 2007  
Dallas/Ft. Worth Airport Marriott South  
Ft. Worth, Texas

**Presiding chairman:** Shawn Nolan; Entertainment Structures Group (Steven Schaefer Associates);  
P; G

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

**Members attending:** Jerry Gorrell; Theatre Safety Programs; O; U  
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U  
Richard Logothetis; Lycian Stage Lighting; P; MP  
William L. Maiman; I; G  
Richard J. Nix; Entertainment Structures Group (Steven Schaefer Associates);  
A; G

**Visitors:** None

**1 Opening remarks**

The meeting was called to order by Shawn Nolan at 19:11.

**2 Patent and Anti-Trust statements**

**2.1 Patent statement**

Shawn Nolan read the following statement aloud to the assembly:

"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 or 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 protected intellectual property was brought to the attention of the assembly.

**2.2 Anti-trust statement**

Shawn Nolan 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 \$1,000,000 and imprisoned for up to ten years. An easy to read pamphlet describing restraint of trade issues is available from the Technical Standards Manager."

Karl Ruling, the Technical Standards Manager, held up some of the easy-to-read pamphlets. No restraint of trade issues were brought to the attention of the assembly.

**3 Attendance & membership**

**3.1 Introductions**

Everyone present knew everyone, so introductions were not necessary.

**3.2 Taking attendance**

A yellow attendance sign-in sheet was circulated.

**3.3 Requirements for membership**

Shawn Nolan reminded those present that membership in the working group is open to all who are affected by the work of the group. Voting members are required to attend meetings and to vote on letter ballots. Voting members and their alternates may not miss three consecutive meetings without a loss of voting status.

**3.4 Determination of quorum**

Four voting members were present, which was the minimum for a quorum, so Shawn Nolan announced that business could be conducted.

**3.5 Processing of new membership requests**

The following people had applied for membership:

- Thomas Paterson, Lux Populi SA de CV; O; G
- Richard J. Nix; Entertainment Structures Group (Steven Schaefer Associates); A; G [Change of voting status and company representation. He was previously an observer with Performance Systems Integration.]

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

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

| Name               | Company                                     | Representing                                | Voting status | Int. cat. |
|--------------------|---|---|---------------|-----------|
| Jack Schmidt       | Special Lighting Solutions                  | Ballantyne of Omaha, Inc.                   | P             | MP        |
| Chip Purchase      | Jones Hall                                  | Foundation for Jones Hall                   | P             | U         |
| Edwin S. Kramer    | I.A.T.S.E. Local 1                          | I.A.T.S.E. Local 1                          | P             | U         |
| Richard Logothetis | Lycian Stage Lighting                       | Lycian Stage Lighting                       | P             | MP        |
| Fred Lindauer      | Robert Juliat USA                           | Robert Juliat SA                            | P             | MP        |
| Steve Rust         | Sachs Morgan Studio                         | Sachs Morgan Studio                         | P             | G         |
| Stephen Vanciel    | Stephen Vanciel                             | Stephen Vanciel                             | I             | U         |
| Shawn Nolan        | Entertainment Structures Group              | Steven Schaefer Associates                  | P             | G         |
| Richard J. Nix     | Entertainment Structures Group              | Steven Schaefer Associates                  | A             | G         |
| William L. Maiman  | William L. Maiman                           | William L. Maiman                           | I             | G         |
| Robin Crews        | Wrightson, Johnson, Haddon & Williams, Inc. | Wrightson, Johnson, Haddon & Williams, Inc. | P             | G         |
|                    |   | Total votes                                 | 10            |           |
|                    |   | Votes by interest category                  | 0             | CP        |
|                    |   |   | 3             | MP        |
|                    |   |   | 0             | DR        |
|                    |   |   | 3             | U         |
|                    |   |   | 4             | G         |

**4 Approval of minutes from the previous meeting (FP/2006-9005. See file FPmin07-2006.pdf.)**

Richard Logothetis moved that the draft minutes of the July 2006 meeting be accepted as written. The motion was seconded and then approved with a unanimous show of hands.

**5 Approval of agenda**

Richard Nix moved that the draft agenda be accepted. The motion was seconded and then approved with a unanimous show of hands.

**6 Old Business**—Discussion of the integrated E1.28 document created by Richard Nix. See file E1-28Draft2006-12-30.pdf.

Kramer asked about the parts of the document that were highlighted in yellow. Nix said that these sections seemed to be ones that needed work, either because they were not well developed or because they seemed to be out of place or that contradict other sections.

There was a discussion of the document and a consensus that Richard Nix would be the draftsman. He should listen to the group, get the sense of the group's desires, and then put it in the document.

The type classifications and ADA accessibility were big areas of discussion.

Eddie Kramer moved that Jerry Gorrell be given the task of developing access guidelines (e.g., hall widths, turning radii, etc.) based on the ADA requirements, which we can then modify as needed to ensure equipment access. The motion was discussed and approved unanimously.

There was a long discussion of types. Shawn drew on the white board a table of possible criteria:

| Throw         | Brightness (watts/ft. <sup>2</sup> ) | Programming | Stage geometry        |
|---------------|--------------------------------------|-------------|-----------------------|
| 0 to 50'      | 1 rack (400 A 3Φ)                    |             | angle                 |
| >50 to 100'   | 2 racks                              |             | number of followspots |
| >100' to 200' | > 2 racks up to 7 racks              |             | placement             |
| >200'         | > 7 racks                            |             |                       |

There was a discussion of programming, which became a discussion of venues.

Eddie Kramer moved that the list of venues be circulated among the working group and that people add definitions of the types of venues, and return the list with definitions to Richard Nix for consolidation. The motion was seconded. The motion was approved unanimously.

List of venues:

- Shipboard theatre
- Touring road house
- Resident theatre
- Arena (sporting venue/multipurpose facility)
- Senior high school
- Middle school
- College
- Elementary school
- Cafetorium
- Gymnasium
- Community theatre
- Concert hall
- House of worship
- Shed (outdoor amphitheatre)
- Hotel ballroom

Convention center  
Conference center  
Night club  
Sporting facility  
Kabuki theatre  
TV studio

Karl Ruling suggested that people group the venues into about four groups or fewer, so that we can work on paring the list.

The discussion of stage geometry resulted in it being taken out of the matrix. Consideration of the geometry of the space should be in the standard, but it doesn't work into a matrix deciding how big, how powerful a followspot needs to be and therefore what "type" of booth is needed to house this followspot.

| Throw         | Brightness (watts/ft. <sup>2</sup> ) | Programming |
|---------------|--------------------------------------|-------------|
| 0 to 50'      | 1 rack (400 A 3Φ)                    |             |
| >50 to 100'   | 2 racks                              |             |
| >100' to 200' | > 2 racks up to 7 racks              |             |
| >200'         | > 7 racks                            |             |

There was a discussion of adding some diagrams of sample performance venues as annex material to show the possible venues and followspot positions. Richard Logothetis moved that Steve Rust provide the diagrams for the annex material. The motion was seconded and unanimously approved.

There was a discussion of the need to perhaps describe some minimum illumination level provided on stage by a followspot, or a minimum contrast ratio.

The consensus was that the above was enough work for tonight.

**7 New Business**

Richard Nix noted that there are still parts of the document that have only placeholder notes. The consensus was that this other work should be tabled until the type matrix is worked out.

**8 Other Business**

None.

**9 Schedule of future meetings**

It was announced that the next meeting is scheduled for Friday, 16 March 2007, 19:00 - 23:00, at the Hyatt Regency Phoenix.

**10 Changes of voting status**

The following voting member had missed two of the previous consecutive meetings, and would be moved to observer status if this meeting was also missed.

Shawn Nolan, Entertainment Structures Group.

Shawn Nolan was present, so no change of voting status was needed.

**11 Adjournment**

Richard Logothetis moved that the meeting adjourn. The motion was seconded. The motion was approved by acclamation. Shawn Nolan declared the meeting adjourned at 22:08.

**Working Group Membership and Contact Information as of 06 February 2007**

| Name               | Company                                     | Representing (This is the sort field.)      | Voting status | Int. cat. |
|--------------------|---|---|---------------|-----------|
| Jack Schmidt       | Special Lighting Solutions                  | Ballantyne of Omaha, Inc.                   | P             | MP        |
| Chip Purchase      | Jones Hall                                  | Foundation for Jones Hall                   | P             | U         |
| Edwin S. Kramer    | I.A.T.S.E. Local 1                          | I.A.T.S.E. Local 1                          | P             | U         |
| Edward Paget       | Jones & Phillips Associates, Inc.           | Jones & Phillips Associates, Inc.           | O             | G         |
| Thomas Paterson    | Lux Populi SA de CV                         | Lux Populi SA de CV                         | O             | G         |
| Richard Logothetis | Lycian Stage Lighting                       | Lycian Stage Lighting                       | P             | MP        |
| Fred Lindauer      | Robert Juliat USA                           | Robert Juliat SA                            | P             | MP        |
| Steve Rust         | Sachs Morgan Studio                         | Sachs Morgan Studio                         | P             | G         |
| Stephen Vanciel    | Stephen Vanciel                             | Stephen Vanciel                             | I             | U         |
| Shawn Nolan        | Entertainment Structures Group              | Steven Schaefer Associates                  | P             | G         |
| Richard J. Nix     | Entertainment Structures Group              | Steven Schaefer Associates                  | A             | G         |
| John Tedesco       | The Phoebus Company, Inc.                   | The Phoebus Company, Inc.                   | O             | MP        |
| Curtis Kasefang    | Theatre Consultants Collaborative, LLC      | Theatre Consultants Collaborative, LLC      | O             | CP        |
| Jerry Gorrell      | Theatre Safety Programs                     | Theatre Safety Programs                     | O             | U         |
| William L. Maiman  | William L. Maiman                           | William L. Maiman                           | I             | G         |
| Robin Crews        | Wrightson, Johnson, Haddon & Williams, Inc. | Wrightson, Johnson, Haddon & Williams, Inc. | P             | G         |

**Key to codes:**

|   |            |    |                          |
|---|------------|----|--------------------------|
| P | principal  | MP | mass-market producer     |
| A | alternate  | CP | custom-market producer   |
| I | individual | DR | dealer or rental company |
| O | observer   | U  | user                     |
|   |            | G  | general interest         |