

Minutes
Technical Standards Committee
Friday, January 22, 1999
Dallas/Ft. Worth Marriot
Irving, TX

Chairman: Bill Groener; Production Arts/PRG; Principal

Recording Secretary: Karl G. Ruling

TSC Members in attendance: Anne Valentino; Vari-Lite, Inc.; Principal
Bill Groener; PRG/Production Arts; Principal
Colin Waters; TMB Associates; Principal
Edward Paget; Jones & Phillips Associates, Inc.; Principal
Frank Stewart; Specialty Tech Services; Principal
Ken Vannice; NSI Corporation; Principal
Larry Schoeneman; Interesting Products, Inc.; Principal
Lori Rubinstein; ESTA; Ex officio
Mike Garl; James Thomas Engineering, Inc.; Principal
Mike Wood; High End Systems; Principal
Mitch Hefter; Rosco/Entertainment Technology; Principal
Rodney F. Kaiser; USITT (J.R. Clancy Inc.); Alternate
Steve Carlson; Rosco/Entertainment Technology; Principal
Tim Cox; PLASA; Principal

Visitors: Daniel Haydt; Remote Source Lighting International (4:00 to 5:00 p.m.)
Eckart Steffens; VPLT
Eddie Kramer, IATSE Local 1
Jerry Gorrell; Theatre Safety Programs (arrived at 1:43 p.m.)
Kam McCormick; Colortran
Richard Nix; Sacramento Theatrical Lighting (arrived at 3:07 p.m.)
Tom Pincu; Moodie, Pincu and Associates (4:00 to 5:00 p.m.)

1 Opening remarks

Bill Groener called the meeting to order at 1:04 p.m. He explained that there was a lot to do, and that the TSC would need to be able to hear an appeal at 4:00 from Daniel Haydt and Tom Pincu, who have asked that the TSC reconsider its July 1998 decision to replace them as Photometric Working Group chairs.

Groener also conveyed Steve Terry's regrets for not being able to attend this meeting.

It was noted that Tim Cox is now the principal representative for PLASA. Tony Douglas-Beveridge is still working with PLASA, but will leave the travelling to Cox. Douglas-Beveridge is now the Technical Standards Executive, while Tim Cox is the Technical Standards Officer.

2 Attendance and membership (Five required for quorum.)

2.1 Attendance

Attendance was taken by circulating a goldenrod Attendance Sign-In Sheet. It was obvious that a quorum was present, and Bill Groener announced this.

2.2 Welcome to visitors

Groener welcomed the visitors Kam McCormick and Eckart Steffens. (Eddie Kramer and the other visitors were not present at this time.)

3 Approval of minutes from the previous meeting

Mitch Hefter moved that the minutes be approved as written. Mike Garl seconded. Unanimous show of hands.

4 Call for patents and anti-trust statement

Bill Groener read the following statements:

"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 Technical Standards Committee of the existence of a patent or copyright that might protect material in a standard being developed by a working group. You need not be the holder of the patent or copyright in order to notify the TSC of its existence."

"The ESTA Board of Directors and the leadership of this Technical Standards Committee will reject or nullify any actions that restrain trade. Anyone who feels that an action restraining trade is being or has been taken is requested to bring the 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 any member of this committee may be found individually liable for any action that restrains trade taken by this committee. An individual convicted of a violation of the Sherman Act may be fined as much as \$100,000 and be imprisoned for up to three years. An easy to read pamphlet describing restraint of trade is available from the Technical Standards Committee."

Groener asked if there were any matters related to anti-trust or protected intellectual property that needed to be addressed. The assembled group identified none.

5 Approval of agenda

Lori Rubinstein asked that a discussion of relations with other organizations be added. Groener said this should be item 7.3

Bob Luther had written Groener to propose that we form a power working group. Groener mentioned this, and suggested it be covered under the EMC item, 7.2.

Mike Garl moved that the agenda be accepted with this changes. Rodney Kaiser seconded. Unanimous by show of hands.

6 Old business

6.1 Financial reports

6.1.1 Treasurer's report

Groener asked that we discuss the format of the Treasurer's Report first, and then discuss the substance of the report.

Frank Stewart offered the form he had developed in response to the requests for more specific information he had received at the last TSC meeting. Anne Valentino and Colin Waters did not find this new form specific enough. There was a long discussion of what they want and what Stewart can provide, with no motions being offered. Groener asked that Stewart, Waters, and Valentino get together face-to-face and work out their disagreement between what Valentino and Waters feel is wanted and needed, and what Stewart is willing and able to provide.

Stewart's report was made on two spread sheets, one entitled "Technical Standards Program Financial Report by Month" and another entitled "Technical Standards Program Financial Report by Account." (These are included in the minutes at the end of this document.) Stewart reported that we are essentially on track with our budget.

6.1.2 Status of contributions and pledges

Lori Rubinstein reported on who had given what to help support the TSP. Groener said that the donations should be adequate to our funding needs for 1999, but our long term financial situation could be cloudy. The year 2000 could be a problem.

Rubinstein reported that Jack Schmidt has taken it upon himself to persuade PLASA exhibitors to donate their VAT refunds to TSP. This has met with success, with all but one company doing so.

Colin Waters asked about PERA's promised fund-raising drive to support the technical standards work being done on behalf of the film and television equipment rental industry. Rubinstein said that the fund-raising campaign there was just starting.

There was a general discussion of possible additional funding sources. Mike Wood reported that ESTA can fund some TSP expenses from the general fund, but that not all donations can be replaced by money taken from the general fund.

In regard to funding, Bill Groener advised the group that we have a bill from Ken Vannice for reimbursement for expenses related to his attending the EMC workshop planning session. As we become more involved in international issues we will have other bills, Groener pointed out.

6.1.3 Accounting of TSP documents sold and on-hand

Lori distributed the appended spread sheet, "TSP Publications Accounting," explaining how many documents USITT has on hand and how many have been sold.

6.2 Working group reports

6.2.1 Photometrics

6.2.1.1 E1.9, nutrition label

Ruling distributed the synopsis of the TSC's votes on the motion to send E1.9 to public review (the contents of that report are appended). Ted Paget had voted "accept in principle" with the comment, "I am uncomfortable sending this document out to first public review if the working group is not expressing confidence in its product." Ruling explained that the people who had expressed the lack of confidence in the product had voted to send the document to public review. Ted Paget withdrew his comment and changed his vote to "accept." Thus, the vote was 14 in favor and none against, with one ballot not returned. The draft standard will go to public review.

6.2.1.2 Revamp/renew IES procedures

Ruling reported that Don Smith, the Chairman of IES Photometry of Stage and Studio Luminaires Subcommittee, was present at the last meeting and had reported that the subcommittee would meet during LDI. The document they are developing will be designated "LM76."

6.2.1.3 Public information project

Ruling reported that Bill Klages had presented part of a draft at the last working group meeting. This will be developed into an article in Protocol and a small pamphlet.

6.2.2 Control Protocols

6.2.2.1 E1.3

Ruling reported that the public review period for E1.3 closed January 5, 1999. Comments were received that will need to be resolved, but the number of comments was fewer than last time.

6.2.2.2 E1.11 matters:

6.2.2.2.1 DIN/DMX/IEC

Ruling read Mike Stein's message of Friday, 15 Jan 1999, regarding making E1.11 an IEC standard:

From: "Mike Stein" <MikeStein@magnetek.com>
To: "Karl G. Ruling" <kruling@esta.org>
Subject: New Work Proposal - Stage & Theatre

Karl:

At this week's panel meetings in London the chairman and secretary of TC 34C agreed that your proposal should be submitted to the IEC Central office by the USNC as a New Work Proposal to TC 34. The form to be used is attached. I will work with you in preparing the form. Most of the information is in the proposal that you already sent to me. Please complete this form and transmit it to me electronically. The IEC is communicating almost exclusively electronically and I can then forward to the USNC for submittal to the Central Office.

Mike

Mitch Hefter read his report about USITT's legal actions to remove its name from DIN 56930. USITT's lawyer in Germany has sent DIN a cease and desist letter with January 26, 1999 as the deadline for the formal response. (Hefter's report is attached to these minutes.)

6.2.2.2.2 Physical Layer Task Group

Hefter reported that this task group was meeting, and was making progress, but that they had not finished making their final recommendations.

6.2.2.2.3 DMX on Cat 5 Task Group

Hefter reported that Dave Higgins had given a report at Phoenix on the tests the task group did with STP (a.k.a. FTP), but the report had not been submitted in written form yet. A written report was expected at the CPWG meeting. The recommendations of this task group will be worked into the new DMX512 standard.

6.2.2.2.4 E1.11 general task group

Hefter reported that there are three open items to be resolved from the request for proposals. One is almost resolved. The second should be soon -- perhaps that night. The third one might take until the next day (January 23). The resolutions will be distributed to the working group. The first draft of the new standard is expected to be ready in time for the meeting at USITT in Toronto in late March.

6.2.2.3 Report of 100MBPS Task Group

Ruling reported that the TSC ballot to accept the motion to publish the 100Mb/s addendum had passed with 14 votes in favor, and one ballot not returned. Rubinstein, MaryLisa Kinney, and Ruling now get the task of figuring out how to layout the document and publish it. (The contents of the summary of the letter ballot is attached to these minutes.) The document will be amended to address the one comment correcting the URL for the USITT.

6.2.2.4 Report of ACN Task Group

At the previous TSC meeting it had been suggested that a consultant might need to be hired to speed the project. Steve Carlson said that the task group had discussed this idea and decided that they were in the design phase, in which a paid consultant would not be useful. Carlson did note that several people at Nortel and Cisco Systems have offered to give free advice. Carlson also noted that Bay Networks is now part of Nortel.

Carlson also reported that Sun Microsystems has released Jini™, a Java™ platform-centric distributed system designed around the goals of simplicity, flexibility, and federation. This is big news. Sun is making Jini available in the open source model. Much of what ACN is trying to do may be already built into Jini, so the task group is studying the 5cm-thick pile of documentation that describes Jini.

6.2.3 Fog and Smoke

Larry Schoeneman reported that some fog manufacturers were having trouble getting supplies of mono-propylene glycol, that Dow has sent letters to some of its distributors indicating that the material is not to be sold to known fog manufacturers. He will contact Larisa Rudenko for advice and help in finding out what Dow's objection is and dealing with this problem. Schoeneman reported that Rudenko is now with Life Sciences Consultancy rather than ENVIRON.

6.2.3.1 E1.5, glycol/glycerin fog

Ruling reported that the TSC had voted to accept the proposal from Rudenko to do a preliminary risk assessment (a "stink test") with one negative vote from Ken Vannice. (The contents of the letter ballot summary is attached.) Vannice had objected to the open-ended nature of the "approximately \$10,000 " figure. Ruling had notified Schoeneman of this objection, so Schoeneman had gotten a response from Rudenko that the \$10,000 figure is a cap. It will not be exceeded without prior authorization.

Schoeneman moved that ESTA hire Larisa Rudenko of Life Sciences Consultancy to do a preliminary risk assessment as per her original letter, with a \$10,000 cap on the cost. Ted Paget second. Unanimous voice vote.

Groener directed Schoeneman and Ruling to finalize the terms of payment and get a timeline for the payment. Ruling will sign the contract.

Schoeneman expressed his deep disappointment with how long the TSC had taken to act on this proposal. He complained again that the order of the meetings, with the TSC meeting before the working groups, but the TSC needing to approve working group actions, leads to unacceptable delays of one full meeting cycle to get anything approved. He had been assured that the TSC could respond by letter ballot quickly. However, one ballot was not returned on this motion, so it took more than 40 days to get a decision from the TSC.

There was discussion of what Ruling might be able to do -- other than becoming personally responsible for the behavior of the TSC members -- to make sure that ballots are returned promptly. Colin Waters suggested that he might have voted on the five letter ballots he missed if he had gotten some e-mail about them. Since many months had passed since he had received an e-mail message from Ruling, he suggested that e-mail was not being used efficiently. Ruling agreed to send out ballots via e-mail.

6.2.3.2 Fog book, third edition

Ruling reported that the addendum to the second edition of the fog book had been accepted by the TSC, with one ballot not returned. (The contents of the ballot summary is attached.) He also admitted that he had agreed to rewrite the book for a third edition. He had something to present to the working group, but it was largely an outline at this point.

6.2.3.3 Standard for fog machine manuals

Schoeneman reported that some of the points of the fog machine manual had been debated at the last F&S meeting. As a result, MSDS's would not be recommended to be included in fog machine manuals. Another draft is being worked on.

6.2.4 Rigging

Mike Garl reported that they had had a good meeting in Phoenix

6.2.4.1 E1.1 – Wire Rope Ladder Standard

Ruling reported that it is in public review. The public review closes February 2, 1999.

6.2.4.2 E1.2 – Aluminum Truss Standard

Ruling reported that the TSC had accepted the motion to send E1.2 to a third public review, with 14 votes in favor, and one ballot not returned. (The contents of the letter ballot summary are attached.) He reported that he would be filing the necessary forms with ANSI soon.

6.2.4.3 E1.4 – Manual Counterweight Flying Systems Standard

Ruling reported that it is back from public review and that the comments had been distributed to the working group.

6.2.4.4 E1.6 – Powered Flying Systems

Rodney Kaiser said that as far as he knew the task group was still working on resolutions to the comments received in April.

6.2.4.5 E1.7 – Recommended Practice for Flying Performers

Ruling reported that Delbert Hall had sent him another version of the document, which had been changed in response to the public review comments. Hall had not asked that the new draft be distributed to the working group yet. Ruling did not have a summary of the resolutions to the comments.

6.2.4.6 E1.8 – Speaker Enclosures Rigging Standard

Mike Garl reported that there was an ad hoc group from NSCA working with UL on UL 1480 that is very interested in the speaker standard. UL wants to put provisions in 1480 for the structural strength and integrity of the speakers. Their interest is in making sure that speakers, particularly PA speakers and ones that are part of alarm systems, do not fall. Garl said that they would be inclined to adopt E1.8, but do need our standard to be completed in a reasonable time.

Ruling reported that Andrew Martin had sent him the suggested resolutions to the public review comments and a new, revised version of the standard. The documents arrived too late for the two-week rule, but he would distribute them at the Rigging Working Group meeting.

6.2.4.7 E1.10 – Building Structural Requirements Standard

Ruling reported that suggested resolutions from the task group for the public review comments had been sent to the working group. Approving, amending, or rejecting them would be an item of business at the next meeting.

6.2.4.8 British Standards update

Tim Cox had no report.

6.2.4.9 E1.13 - Arena Scoreboards and Speakers

Garl reported that Wally Blount is heading the task group. Ruling said that he now had a scope statement for the project.

6.2.4.10 Boom-base

This topic was not on the agenda, but Richard Nix volunteered that he was still working on the boom-base standard.

6.2.5 Camera Cranes

6.2.5.1 E1.12, American National Standard Crane task group

6.2.5.2 Operators handbook task group

Ruling reported that task groups for the above two projects were formed at the last CC meeting, which was held the Monday after LDI in Burbank. Kent Jorgensen is the head of both task groups.

6.2.5.3 Tabled projects: guideline for a manufacturer's assembly manual; a standardized camera crane chart

Ruling reported that these other projects were tabled at the last meeting. By the time the end of the meeting had arrived, only the first two task groups had been staffed. In any case, the vocal supporters for these projects did not attend the November CC Working Group meeting, so there were no advocates for these projects there.

Ruling expressed concern about the pace of the work in the CC Working Group. The next meeting is not scheduled until June, and volunteer groups tend to get things accomplished in time for meetings. Thus, if the CC Working Group only has two meetings a year, its progress will probably be at half the pace of the other groups. The consensus was that Ruling needs to write a letter expressing these concerns to the chairs of the CC Working Group.

6.3 Public relations/marketing

Lori Rubinstein distributed the TSP related parts of the KSA press kit to the group. This press kit was available at LDI. A slicker brochure is in the works.

7 New business

7.1 Ken Vannice report on EMC planning meeting

Vannice reported that IEEE 519 is already in effect. It puts limits on current waves injected into the power grid by the user, and on voltage waves delivered to the user from the grid. However, no one is penalized for not meeting the IEEE 519 standard in North America at this time. Ed Yandek is the guy who is representing the lighting industry, and Ken Vannice will work with him.

The plan of the committee that put this together was that North American industry should work together on low-frequency harmonic standards.

Vannice reported that Allen Ludbrook is in charge of the IEEE 519, which is in revision. He wants to consider controls on the end-product, while maintaining the systems controls that are currently in the document. End-product controls versus systems controls are two fundamentally different ways of controlling low-frequency harmonics. End-product controls are more likely to cause problems with the use of thyristor dimmers.

7.2 Formation of EMC working group

There was a discussion of Bob Luther's proposal to form a power working group:

- >I would like to propose the formation of a power group within the TSC.
- >I would be willing to coordinate its formation and head the group.
- >
- >There are numerous reasons to form such a group. First there are many
- >safety and commercial areas within the field of electrical power where
- >the formation of standards would benefit the industry. A recommended
- >practice for tying in to electrical panels and a color code standard
- >for the length of cordsets are two examples that come to mind.
- >
- >Second, having a power group would facilitate a certification effort.
- >
- >Third, I believe that ESTA should look out for the interests of its
- >members by participating in the National Electrical Codemaking process.
- >A power group would be the natural place for this to occur.
- >
- >There have also been discussions of a power quality working group. If it
- >is determined that there is enough interest, this could get off the
- >ground at the same time as part of the power group.

The consensus of the TSC is that this proposal is interesting, but that it lacks specifics. Lori Rubinstein is to contact Luther and tell him about Vannice's efforts regarding power quality and to ask him to prepare more specific ideas for the March TSC meeting.

7.3 Relationships with other organizations

Lori Rubinstein reported that there was no way to have a reciprocal membership arrangement with ASTC because of their membership rules. She also reported that Bob Vernon of CITC wants more awareness and involvement in Canada of our standards work. He plans to run a regular column in Stage Works about standards and our standards program. Standards Watch will be sent via Bob Vernon to the Board of CITC electronically. He will keep us more informed of Canadian groups doing standards work.

8 Other business

8.1 Photometric working group chairs [at 4:00 p.m.]

At 4:00 the room was cleared of visitors and Daniel Haydt and Tom Pincu made their argument that they had been unfairly removed from their positions as co-chairs of the Photometric Working Group and asked to be reinstated. After they made their presentation and it was discussed with them, they were asked to leave so the TSC could deliberate. Ted Paget moved that the decision made at the July meeting to change the chairmanship of the Photometric Working Group be reconfirmed. Mike Wood seconded the motion. The vote was eleven "accept" and one "reject" with the Chair abstaining. The July decision to replace Haydt and Pincu with Lieberman and Tyler was reconfirmed.

8.2 Thank you letters

Ruling was directed to put out a call to working group chairs asking them to ask if people need letters of thanks. If so, Ruling or the chairs are to let Lori Rubinstein know and she will take care of getting the letters drafted and sent.

9 Schedule for future meetings

TSC, Wednesday, March 24, 1:00 to 5:00 p.m.
Rigging, Wednesday, March 24, 7:00 p.m. to 11:00 p.m.
CP Thursday, March 25, 9:00 a.m. to 6:00 p.m.
Fog & Smoke, Friday March 26, 7:00 p.m. to 11:00 p.m.
Photometrics, Saturday, March 27, 1:00 p.m. to 6:00 p.m.

[Note that this working group subsequently decided not to meet in Toronto]
ESTA Board, Thursday, March 25, 7:00 p.m. to 11:00 p.m.

Lori Rubinstein announced that Wally Blount will offer his famous "How to Run a Meeting" meeting for ESTA committee members at USITT.

The summer meetings will be July 23, 24, 25 or July 16, 17, 18, here at the Dallas/Ft. Worth Marriott, in beautiful Irving, Texas. [The Board subsequently set the meetings for the weekend of July 16, 17, and 18.]

10 Adjournment

Ted Paget moved for adjournment. Larry Schoeneman seconded. Bill Groener declared that the meeting was adjourned at 6:20 p.m.

Technical Standards Program Financial Report by Account

Account	Name	Actual 1996	Actual 1997	Actual 1998	Budgeted 1998	Variance 1998	Budgeted 1999	Actual 1999 YTD	Committed 1999 YTD	Available 1999 YTD	Budgeted 2000
536.00	T S P Totals	29,693.44	45,247.30	42,425.14	70,500.00	28,074.86	92,300.00	0.00	18,995.00	73,305.00	90,250.00
536.10	Meetings										
0.11	Transportation	2,241.59	2,840.85	2,825.87	3,500.00	674.13	5,000.00	0.00		5,000.00	6,000.00
0.12	AV Equipment	476.17	320.51	759.24	400.00	-359.24	1,000.00	0.00		1,000.00	1,000.00
0.14	Hotels/Meals	2,423.78	2,596.20	4,751.07	3,000.00	-1,751.07	4,000.00	0.00		4,000.00	4,500.00
0.15	Miscellaneous	123.62	58.10	126.82	150.00	23.18	200.00	0.00		200.00	250.00
0.17	Refreshments	3,369.10	4,000.37	3,348.68	3,000.00	-348.68	3,000.00	0.00		3,000.00	3,500.00
0.18	Room Rental	209.00	318.00	159.00	750.00	591.00	1,000.00	0.00		1,000.00	1,250.00
536.20	Legal TSP	7,460.61	7,747.06	689.02	7,500.00	6,810.98	7,000.00	0.00		7,000.00	8,000.00
536.30	ANSI	1,995.00	1,995.00	1,995.00	4,000.00	2,005.00	3,000.00	0.00	1,995.00	1,005.00	4,000.00
536.40	Miscellaneous	1,894.01	165.00	0.00	500.00	500.00	500.00	0.00		500.00	250.00
536.50	Professional Fees (PR)	750.00	7,584.60	1,000.00	1,000.00	0.00	10,000.00	0.00		10,000.00	12,000.00
536.60	Insurance	0.00	6,000.00	6,000.00	6,000.00	0.00	7,000.00	0.00	7,000.00	0.00	8,000.00
536.80	Pub/Sub	18.50	594.55	425.93	750.00	324.07	1,000.00	0.00		1,000.00	1,000.00
536.90	Office TSP										
0.92	Phone	965.55	0.00	0.00		0.00		0.00		0.00	
0.94	Data Services	347.84	240.00	60.00	250.00	190.00	500.00	0.00		500.00	500.00
0.95	Postage	1,589.52	5,226.72	8,506.00	7,500.00	-1,006.00	12,000.00	0.00		12,000.00	14,000.00
0.96	Office Equipment	1,839.73	0.00	824.45	2,100.00	1,275.55	2,500.00	0.00		2,500.00	1,000.00
0.97	Printing	3,179.59	4,576.79	563.88	6,000.00	5,436.12	5,000.00	0.00		5,000.00	5,000.00
0.99	Office Misc.	809.83	183.87	0.00	600.00	600.00	600.00	0.00		600.00	500.00
537.00	TSP Working Groups										
0.10	Control Protocols	0.00	0.00	1,876.20	8,000.00	6,123.80	5,000.00	0.00		5,000.00	5,000.00
0.20	Cranes			2,578.03		-2,578.03	5,000.00	0.00		5,000.00	5,000.00
0.30	Fog & Smoke - NFPA	0.00	799.68	2,599.28	10,500.00	7,900.72	15,000.00	0.00	10,000.00	5,000.00	6,000.00
0.50	Photometrics	0.00	0.00	1,726.48	1,000.00	-726.48	800.00	0.00		800.00	1,000.00
0.90	Truss & Rigging	0.00	0.00	1,610.19	4,000.00	2,389.81	3,200.00	0.00		3,200.00	2,500.00
536.00	T S P Totals	29,693.44	45,247.30	42,425.14	70,500.00	28,074.86	92,300.00	0.00	18,995.00	73,305.00	90,250.00

Technical Standards Program Financial Report by Month

1999 TSC Expenditures	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Administrative Expenses												
Working Group Expenses												
Committed Funds	\$7,000.00	\$10,000.00	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$1,995.00	\$-
Monthly Totals	\$7,000.00	\$10,000.00	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$1,995.00	\$-
Cumulative Totals	\$7,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	\$18,995.00	\$18,995.00
Working Balance	\$85,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$75,300.00	\$73,305.00	\$73,305.00
1999 TSP Budget		\$92,300.00										
1999 Expenses to date		\$18,995.00										
Percentage Spent			20.58%									
TSC Contributions Recap												
Received to Date												
1994	\$100,606.00											
1995	\$76,065.00											
1996	\$50,000.00											
1997	\$68,409.00											
1998	\$70,600.00											
1999 YTD	\$365,680.00											
Expenses to Date												
1994	\$9,000.00											
1995	\$69,258.50											
1996	\$82,573.87											
1997	\$97,124.27											
1998	\$106,805.14											
1999 YTD	\$364,761.78											

TSP Publications Accounting

	Ethernet	Wire Rope	Fog
USITT Starting Qty. 5/98	25	25	2000
Sent to ESTA			-150
May 1998		-1	-76
June 1998	-1	-3	-102
July 1998	-2		-2
August 1998	-1	-2	-27
September 1998	-16		-3
October 1998			-3
November 1998			
December 1998	-6		-9
Reprint of Ethernet 12/98	100		
Totals Remaining	99	19	1628

Technical Standards Committee Letter Ballot (Photo/98-5010)
Summary of Ballot for First Public Review of Draft Proposed American National Standard
Draft E1.9, Entertainment Lighting Luminaires — Presentation of Photometric Performance Data (Photo/97-5010r5)

Statement: At the July 11, 1998 Photometric Working Group meeting a motion was made to send the draft American National Standard E1.9, Entertainment Lighting Luminaires -Presentation of Photometric Performance Data (Photo/97-5010r4) to public review. At the November 13, 1998 meeting the working group agreed to append outstanding working group comments to the draft document and send the standard with comments (Photo/97-5010r5) to its first public review.

Question: Do you accept the motion to send the draft American National Standard E1.9, Entertainment Lighting Luminaires -Presentation of Photometric Performance Data (Photo/97-5010r5) to public review?

Ballot closed: 5:00 p.m. EST, 18 January 1999

Requirement: Super-majority

Ballot Results: Thirteen "accept." One "Accept in principle" with comments. One ballot not returned.
 Negative comments need to be resolved.

Name	Company	Rep. status	Accept	Accept in principle	Accept in part	Reject	Comments	Ballot not returned
Mike Wood	High End Systems	P	X					
Larry Schoeneman	Interesting Products, Inc.	P	X					
Mike Garl	James Thomas Engineering, Inc.	P	X					
Edward Paget	Jones & Phillips Associates, Inc.	P		X			see below	
Ken Vannice	NSI Corporation	P	X					
Tim Cox	PLASA	P						
Tony Douglas-Beveridge	PLASA Standards Office	A	X					
Steve Terry	PRG/Production Arts	P	X					
Bill Groener	PRG/Production Arts	P	X					
Steve Carlson	Rosco/Entertainment Technology	P	X					
Mitch Hefter	Rosco/Entertainment Technology	P	X					
Frank Stewart	Specialty Tech Services	P	X					
Colin Waters	TMB Associates	P						X
Rodney F. Kaiser	USITT (J.R. Clancy Inc.)	A						
Jay O. Glerum	USITT (Jay O. Glerum & Associates)	P	X					
Anne Valentino	Vari-Lite, Inc.	P	X					
Paul Vincent	Vincent Lighting Systems	P	X					
		15 possible	13	1				1

Comments:

I am uncomfortable sending this document out to first public review if the working group is not expressing confidence in its product.

Edward A. Paget

Jones & Phillips Associates

[NOTE: COMMENT AND NEGATIVE VOTE WERE WITHDRAWN DURING THE MEETING, MAKING THE TOTAL 14 "ACCEPT" AND ONE BALLOT NOT RETURNED.]

**USITT calls for DIN to Cease and Desist on its version of DMX512 -
Report to ESTA 1/22, 23/1999 by Mitch Hefter**

Since October of 1997, just after we learned at the PLASA Trade Show in September, that DIN, had developed a draft standard for "Stage Lighting Control Systems" based on USITT DMX512/1990, USITT corresponded with the DIN Working Group that is carrying out this project.. The development of this draft standard was done without the knowledge or consent of USITT.

USITT noted several problems that exist with this German DMX. DIN modified its original draft which reduced the number of differences on a technical level, but has not addressed any of the issues of copyright.

The most recent version from DIN, while reducing the technical differences, creates additional problems. It states that all devices which conform to this (proposed) DIN standard may be labeled "DMX512/1990", "DMX512/DIN" or "USITT DMX512/1990." This means that manufacturers will be able to mark products conforming to 2- different standards with the same identifier. So a user faced with equipment labeled DMX512/1990 would not know whether or not it complied with the original USITT DMX512/1990 standard or with DIN's (proposed) version.

After a year of trying to resolve our concerns with DIN, USITT retained legal counsel to address the matter. A "Cease & Desist" letter was sent to DIN January 8, 1999, requiring DIN to omit the use of the term DMX512 in any further drafts or published version of their standard. Their use of the term DMX512 not only could cause problems on a technical level as described above, but could evoke the impression that USITT approves of DIN's action, which it does not. Response was required by January 26, 1999.

(An initial response was received from DIN via telephone to the German counsel. DIN indicated that I had reached an agreement with them about one month ago. This is not true. First of all, I could not sign off on such an agreement, and second, the last contact I had was e-mail in August. The German counsel asked for a copy of the agreement).

I will advise everyone via e-mail and a posting on the USITT Web Site once we know more.

Technical Standards Committee Letter Ballot (CP/ 98-1032)

Summary of Ballot to Accept Motion to Publish the Supplement to the Recommended Practice for Ethernet Cabling Systems in Entertainment Control Applications (CP/98-1005r3)

Statement: At the November 12, 1998 meeting the Control Protocols Working Group accepted the Supplement to the Recommended Practice for Ethernet Cabling Systems in Entertainment Control Applications (CP/98-1005r3) and approved it for publication.

Question: Do you accept the Supplement to the Recommended Practice for Ethernet Cabling Systems in Entertainment Control Applications (CP/98-1005r3) and approve it for publication?

Ballot closed: 5:00 p.m. EST, 18 January 1999

Requirement: Super-majority

Ballot Results: Fourteen "accept" of a possible 15. One ballot not returned. Motion passes.

Name	Company	Rep. status	Accept	Accept in principle	Accept in part	Reject	Comments	Ballot not returned
Mike Wood	High End Systems	P	X					
Larry Schoeneman	Interesting Products, Inc.	P	X					
Mike Garl	James Thomas Engineering, Inc.	P	X					
Edward Paget	Jones & Phillips Associates, Inc.	P	X					
Ken Vannice	NSI Corporation	P	X					
Tim Cox	PLASA	P						
Tony Douglas-Beveridge	PLASA Standards Office	A	X					
Steve Terry	PRG/Production Arts	P	X					
Bill Groener	PRG/Production Arts	P	X					
Steve Carlson	Rosco/Entertainment Technology	P	X					
Mitch Hefter	Rosco/Entertainment Technology	P	X				See below	
Frank Stewart	Specialty Tech Services	P	X					
Colin Waters	TMB Associates	P						X
Rodney F. Kaiser	USITT (J.R. Clancy Inc.)	A						
Jay O. Glerum	USITT (Jay O. Glerum & Associates)	P	X					
Anne Valentino	Vari-Lite, Inc.	P	X					
Paul Vincent	Vincent Lighting Systems	P	X					
		15 possible	14					1

Comments:

Editorial: USITT's URL is now www.usitt.org
 Mitch Hefter
 Rosco/ET

Technical Standards Committee Letter Ballot (F&S/98-3018)
Summary of Ballot to Accept F&S/98-3017
Proposal from Dr. Larisa Rudenko of Environ To Do A Preliminary Risk Assessment On Glycol And Glycerin Fogs

Statement: At the November 1998 meeting the Fog & Smoke Working Group accepted the proposal from Larisa Rudenko of Environ to do a preliminary risk assessment on glycol and glycerin fogs.

Question: Do you accept the proposal from Larisa Rudenko of Environ to do a preliminary risk assessment on glycol and glycerin fogs and do you approve the expenditure of the funds?

Ballot closed: 5:00 p.m. EST, 18 January 1999

Requirement: Simple majority

Ballot Results: Thirteen "accept" of a possible 15. One "accept in principle. One ballot not returned. Negative comment to be resolved.

Name	Company	Rep. status	Accept	Accept in principle	Accept in part	Reject	Comments	Ballot not returned
Mike Wood	High End Systems	P	X					
Larry Schoeneman	Interesting Products, Inc.	P	X					
Mike Garl	James Thomas Engineering, Inc.	P	X					
Edward Paget	Jones & Phillips Associates, Inc.	P	X					
Ken Vannice	NSI Corporation	P		X			See below	
Tim Cox	PLASA	P						
Tony Douglas-Beveridge	PLASA Standards Office	A	X					
Steve Terry	PRG/Production Arts	P	X					
Bill Groener	PRG/Production Arts	P	X				See below	
Steve Carlson	Rosco/Entertainment Technology	P	X					
Mitch Hefter	Rosco/Entertainment Technology	P	X					
Frank Stewart	Specialty Tech Services	P	X					
Colin Waters	TMB Associates	P						X
Rodney F. Kaiser	USITT (J.R. Clancy Inc.)	A						
Jay O. Glerum	USITT (Jay O. Glerum & Associates)	P	X					
Anne Valentino	Vari-Lite, Inc.	P	X					
Paul Vincent	Vincent Lighting Systems	P	X					
		15 possible	14	1				1

Comments:

The agreement with Environ is open ended. "Approximately \$10,000" allows them to report on whatever they feel like and then ask for (or spend) more money. The agreement should at least be "not to exceed \$10,000" so any overages can be negotiated. Also the agreement should cover what is included (research time, lab time, report writing, telephone calls, postage, duplicating, etc.). For instance, UL quotes "not to exceed" labor, report writing, lab time, etc. & then charges extra for postage, telephone, photo repro, etc.

Ken Vannice
 NSI/Colortran

but, we should try to identify funding in addition to ESTA funds (i.e. PLASA, etc.)

Bill Groener
 Production Arts

**Technical Standards Committee Letter Ballot (F&S/98-3020)
Summary of Ballot to Accept Publication of F&S/98-3018,
Addendum to the 2nd Edition of the Introduction to Modern Atmospheric Effects.**

Statement: At the November 14, 1998 working group meeting the Fog & Smoke Working Group accepted the "Addendum to the 2nd Edition of the Introduction to Modern Atmospheric Effects" and voted to do an interim update of the existing second edition copies by inserting the addendum and having the covers stamped with a notice directing the reader to read the addendum.

Question: Do you accept the "Addendum to the 2nd Edition of the Introduction to Modern Atmospheric Effects" and the proposal to do an interim update of the existing second edition copies by inserting the addendum and having the covers stamped with a notice directing the reader to read the addendum?

Ballot closed: 5:00 p.m. EST, 18 January 1999

Requirement: Simple majority

Ballot Results: Fourteen "accept" of a possible 15. One ballot not returned. Motion passes.

Name	Company	Rep. status	Accept	Accept in principle	Accept in part	Reject	Comments	Ballot not returned
Mike Wood	High End Systems	P	X					
Larry Schoeneman	Interesting Products, Inc.	P	X					
Mike Garl	James Thomas Engineering, Inc.	P	X					
Edward Paget	Jones & Phillips Associates, Inc.	P	X					
Ken Vannice	NSI Corporation	P	X					
Tim Cox	PLASA	P						
Tony Douglas-Beveridge	PLASA Standards Office	A	X					
Steve Terry	PRG/Production Arts	P	X					
Bill Groener	PRG/Production Arts	P	X					
Steve Carlson	Rosco/Entertainment Technology	P	X					
Mitch Hefter	Rosco/Entertainment Technology	P	X					
Frank Stewart	Specialty Tech Services	P	X					
Colin Waters	TMB Associates	P						X
Rodney F. Kaiser	USITT (J.R. Clancy Inc.)	A						
Jay O. Glerum	USITT (Jay O. Glerum & Associates)	P	X					
Anne Valentino	Vari-Lite, Inc.	P	X					
Paul Vincent	Vincent Lighting Systems	P	X					
		15 possible	14					1

Technical Standards Committee Letter Ballot (Rig/98-2026)
Summary of Ballot for Third Public Review of Draft Proposed American National Standard
BSR E1.2, Entertainment Technology — Design, Manufacture and Use of Aluminum Trusses and Towers (Rig/97-2000r2)

Statement: The Rigging Working Group voted on November 11, 1998 with the required supermajority to send the draft BSR E1.2, Entertainment Technology — Design, Manufacture and Use of Aluminum Trusses and Towers (Rig/97-2000r2) to a third public review.

Question: Do you accept the motion to send the draft BSR E1.2, Entertainment Technology — Design, Manufacture and Use of Aluminum Trusses and Towers (Rig/97-2000r2) to a second public review?

Ballot closed: 5:00 p.m. EST, 18 January 1999

Requirement: Super-majority

Ballot Results: Fourteen "accept" of a possible 15. One ballot not returned. Motion passes.

Name	Company	Rep. status	Accept	Accept in principle	Accept in part	Reject	Comments	Ballot not returned
Mike Wood	High End Systems	P	X					
Larry Schoeneman	Interesting Products, Inc.	P	X					
Mike Garl	James Thomas Engineering, Inc.	P	X					
Edward Paget	Jones & Phillips Associates, Inc.	P	X					
Ken Vannice	NSI Corporation	P	X					
Tim Cox	PLASA	P						
Tony Douglas-Beveridge	PLASA Standards Office	A	X					
Steve Terry	PRG/Production Arts	P	X					
Bill Groener	PRG/Production Arts	P	X					
Steve Carlson	Rosco/Entertainment Technology	P	X					
Mitch Heffer	Rosco/Entertainment Technology	P	X					
Frank Stewart	Specialty Tech Services	P	X					
Colin Waters	TMB Associates	P						X
Rodney F. Kaiser	USITT (J.R. Clancy Inc.)	A						
Jay O. Glerum	USITT (Jay O. Glerum & Associates)	P	X					
Anne Valentino	Vari-Lite, Inc.	P	X					
Paul Vincent	Vincent Lighting Systems	P	X					
		15 possible	14					1

TSC Membership as of the End of the January 22, 1999 Meeting

Name	Company	Vote Stat.
Anne Valentino	Vari-Lite, Inc.	P
Bill Groener	PRG/Production Arts	P
Colin Waters	TMB Associates	P
Edward Paget	Jones & Phillips Associates, Inc.	P
Frank Stewart	Specialty Tech Services	P
Jay O. Glerum	Jay O. Glerum & Associates, Inc. (USITT rep.)	P
Ken Vannice	NSI Corporation	P
Larry Schoeneman	Interesting Products, Inc.	P
Mike Garl	James Thomas Engineering, Inc.	P
Mike Wood	High End Systems	P
Mitch Hefter	Rosco/Entertainment Technology	P
Rodney F. Kaiser	J.R. Clancy Inc. (USITT rep.)	A
Steve Carlson	Rosco/Entertainment Technology	P
Steve Terry	PRG/Production Arts	P
Tim Cox	PLASA	P
Tony Douglas-Beveridge	PLASA Standards Office	A