

Minutes
Control Protocols Working Group

Saturday, 18 July 2009
Dallas/Ft Worth Marriott Solana
Westlake, TX

Chairman: Michael Lay; Philips Strand Lighting (Royal Philips Electronics); P; MP

Recording secretary: Karl G. Ruling; ESTA

Members attending:

Jon Lenard; Applied Electronics; O; MP
Scott M. Blair; High End Systems Inc. (Barco); P; MP
Paul Kleissler; City Theatrical, Inc.; P; MP
Paul McMaster; Zero 88 (Cooper Controls Ltd.); P; MP
Edward A. (Ted) Paget; Vortek Rigging Division (Daktronics Inc.); P; G
Doug Fleenor; Doug Fleenor Design, Inc.; P; MP
Milton Davis; Doug Fleenor Design, Inc.; A; MP
Daniel W. Antonuk; Electronic Theatre Controls, Inc.; P; MP
Steve Terry; Electronic Theatre Controls, Inc.; A; MP
Philip Nye; Engineering Arts; P; G
Jody Williquette; Harting Inc., North America (Harting KGAA); P; G
Robert Bell; Horizon Control Inc.; A; MP
Peter Willis; Howard Eaton Lighting Ltd.; P; CP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Tyrone Mellon Jr.; Lex Products Corp.; P; CP
David Yellin; LightMinded Industries, Inc.; P; MP
Michael Karlsson; LumenRadio AB; P; MP
Robert Armstrong; Pathway Connectivity Inc.; A; MP
Charles Reese; Production Resource Group; P; DR
Robert Tooker; Production Resource Group; A; DR
Kimberly Corbett; Schuler Shook; P; G
Mitch Heffer; Entertainment Technology (Royal Philips Electronics), representing USITT; P; U

Visitors:

Niclas Norlen; LumenRadio AB
Ben Darrington; Wireless Solution Sweden AB
Louis Bradfield; Bally's Las Vegas
Adam DeWitt; PRG Lighting

1 Opening remarks

The meeting was called to order by Mike Lay at 13:05. He welcomed all to the Marriott Solana, and said that Tracy Underhill has sent his regrets for being unable to attend.

2 Attendance

2.1 Introductions of those present and circulation of attendance sheet

A blue attendance sign-in sheet was circulated.

Those present introduced themselves, starting first with those seated at the table and then proceeding to those seated in chairs along the wall.

2.2 Determination of a quorum

Mike Lay asked the principal voting members present to raise a hand. He counted the up-raised hands and then announced that a quorum was present.

2.3 Recognition of alternate voting members

One alternate was recognized.

3 Membership

3.1 Requirements for membership

The following statement was read aloud to the assembly by Mike Lay:

Membership is open to all who are affected by the work of the group. People and companies that would be in any interest category other than a manufacturer interest category are at this time particularly encouraged to apply for membership. 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.

3.2 Changes to observer status due to lack of attendance

Voting members who have missed the previous two meetings and will be moved to observer status if this meeting also is missed:

Philip Nye; Engineering Arts

Philip Nye was present, so there was no change in his voting status.

3.3 Processing of new membership requests and reaffirmation of members with new companies

The following applications had been received:

Paul McMaster; Zero 88 (Cooper Controls Ltd.); principal; mass-market producer

Michael Karlsson, LumenRadio AB; principal; mass-market producer

Jon Lenard; Applied Electronics; observer; mass-market producer

André Broucke; observer; general interest

David Yellin; LightMinded Industries, Inc.; principal; mass-market producer

Ted Paget, moved that the applications be approved. The motion was seconded and then accepted with a show of hands.

Jody Williquette said that Shawn Coughlin is no longer with Harting Inc. and should be removed from the membership roster. Williquette thus became the principal voting member for Harting Inc.

3.4 Consensus body

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

Name	Company	Representing	Voting status	Int. cat.
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	P	CP
Scott M. Blair	High End Systems Inc.	Barco	P	MP
Tom Grimes	High End Systems, Inc.	Barco	A	MP
Paul Kleissler	City Theatrical, Inc.	City Theatrical, Inc.	P	MP
Paul McMaster	Zero 88	Cooper Controls Ltd.	P	MP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	G
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	DIN, NVBF Committee	P	U
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP

Name	Company	Representing	Voting status	Int. cat.
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP
Tracy Underhill	Electronics Diversified LLC	Electronics Diversified LLC	P	MP
Philip Nye	Engineering Arts	Engineering Arts	P	G
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP
Jody Williquette	Harting Inc, North America	Harting KGAA	P	G
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP
Gary Douglas	Horizon Control Inc.	Horizon Control Inc.	A	MP
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
John Huntington	City Tech, Ent Tech Department	I.A.T.S.E. Local 1	A	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	P	CP
David Yellin	LightMinded Industries, Inc.	LightMinded Industries, Inc.	P	MP
Michael Karlsson	LumenRadio AB	LumenRadio AB	P	MP
Stuart Cotts	Oregon Shakespeare Festival	Oregon Shakespeare Festival	P	U
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Robert Armstrong	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Ron Bonner	PLASA	PLASA	P	G
Charles Reese	Production Resource Group	Production Resource Group	P	DR
Robert Tooker	Production Resource Group	Production Resource Group	A	DR
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Hans Lau	Sand Network Systems, Inc.	Sand Network Systems, Inc.	P	MP
Yngve Sandboe	Sand Network Systems, Inc.	Sand Network Systems, Inc.	A	MP
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Phillip M. Gallo	TMB	TMB	P	DR
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U
		Total votes possible	29	

Votes by interest categories	Number	Int. category
	14	MP
	3	CP
	2	DR
	5	U
	5	G

4 Approval of the minutes from the previous meeting

Eddie Kramer moved that the minutes of the January 2009 meeting be approved as written. The motion was seconded and then accepted with a show of hands.

5 Reading of the call for patents

The following statement was read aloud to the assembly by Mike Lay:

"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 revealed at this meeting.

6 The reading of the anti-trust statement

The following statement was read aloud to the assembly by Mike Lay:

"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."

The Technical Standards Manager held up one of the easy-to-read pamphlets to show that copies are readily available.

No restraint of trade issues were brought to the attention of the assembly.

7 Approval of agenda

The following items were added:

1. RDM plug fest
2. Ethernet recommended practice
3. Task group chair meeting at the next meeting cycle
4. A desk lamp connector standard proposal
5. ESET definitions vetting

Ted Paget moved that the modified agenda be accepted. The motion was seconded and then approved with a show of hands

8 Old business

8.1 ANSI E1.3-2001 (R2006)

Any news or action needed? No.

8.2 ANSI E1.11 - 2008 (revision of ANSI E1.11 - 2004)

Any news or action needed? No.

8.3 ANSI E1.27-1-2006 (portable DMX512/E1.11 cabling)

Any news or action needed? No.

8.4 BSR E1.27-2 (permanent DMX512/E1.11 cabling)

Karl Ruling reported that it had been submitted to the ESTA board for approval at its meeting here at the Marriott Solana, this meeting cycle.

8.5 BSR E1.20-20xx, Remote Device Management (revision of ANSI E1.20 - 2006)

8.5.1 First review comment resolutions

See E1-20RevwResols.pdf and E1-20_29June2009marked.pdf.

Scott Blair reported on what had been done to resolve the comments. He then moved that the draft resolutions be accepted. The motion was seconded and passed on a roll call vote with a supermajority voting in favor.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	P	CP				
Scott M. Blair	High End Systems Inc.	Barco	P	MP	X			
Tom Grimes	High End Systems, Inc.	Barco	A	MP				
Paul Kleissler	City Theatrical, Inc.	City Theatrical, Inc.	P	MP	X			
Paul McMaster	Zero 88	Cooper Controls Ltd.	P	MP	X			
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	G	X			
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	DIN, NVBF Committee	P	U				
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP	X			
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP				
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP				
Tracy Underhill	Electronics Diversified LLC	Electronics Diversified LLC	P	MP				
Philip Nye	Engineering Arts	Engineering Arts	P	G	X			
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP				
Jody Williquette	Harting Inc, North America	Harting KGAA	P	G	X			
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP				
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP	X			
Gary Douglas	Horizon Control Inc.	Horizon Control Inc.	A	MP				
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	X			
John Huntington	City Tech, Ent Tech Department	I.A.T.S.E. Local 1	A	U				

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	X			
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U				
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U				
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP				
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	P	CP	X			
David Yellin	LightMinded Industries, Inc.	LightMinded Industries, Inc.	P	MP	X			
Michael Karlsson	LumenRadio AB	LumenRadio AB	P	MP	X			
Stuart Cotts	Oregon Shakespeare Festival	Oregon Shakespeare Festival	P	U				
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP				
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP				
Robert Armstrong	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP	X			
Ron Bonner	PLASA	PLASA	P	G				
Charles Reese	Production Resource Group	Production Resource Group	P	DR	X			
Robert Tooker	Production Resource Group	Production Resource Group	A	DR				
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP	X			
Hans Lau	Sand Network Systems, Inc.	Sand Network Systems, Inc.	P	MP				
Yngve Sandboe	Sand Network Systems, Inc.	Sand Network Systems, Inc.	A	MP				
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G				X
Phillip M. Gallo	TMB	TMB	P	DR				
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U	X			
			29		19	0	0	1
		Votes by interest category	3	CP	2			
			14	MP	10			
			2	DR	1			
			5	U	3			
			5	G	3			1

8.5.2 Second review?

Consideration of next steps with E1.20 revision. See RDM_Errata29June2009.pdf and E1-20_29June2009clr.pdf. Scott Blair moved that the modified draft standard be offered for a second public review. The motion was seconded and then approved on a roll call ballot, with all present, a supermajority, voting in favor.

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	P	CP				
Scott M. Blair	High End Systems Inc.	Barco	P	MP	X			
Tom Grimes	High End Systems, Inc.	Barco	A	MP				
Paul Kleissler	City Theatrical, Inc.	City Theatrical, Inc.	P	MP	X			
Paul McMaster	Zero 88	Cooper Controls Ltd.	P	MP	X			
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	G	X			
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	DIN, NVBF Committee	P	U				

Name	Company	Representing	Voting status	Int. cat.	Yes	Yes with comments	No with reasons	Abstain
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP	X			
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP				
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP	X			
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP				
Tracy Underhill	Electronics Diversified LLC	Electronics Diversified LLC	P	MP				
Philip Nye	Engineering Arts	Engineering Arts	P	G	X			
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP				
Jody Williquette	Harting Inc, North America	Harting KGAA	P	G	X			
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP				
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP	X			
Gary Douglas	Horizon Control Inc.	Horizon Control Inc.	A	MP				
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP	X			
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U	X			
John Huntington	City Tech, Ent Tech Department	I.A.T.S.E. Local 1	A	U				
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U	X			
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U				
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U				
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP				
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	P	CP	X			
David Yellin	LightMinded Industries, Inc.	LightMinded Industries, Inc.	P	MP	X			
Michael Karlsson	LumenRadio AB	LumenRadio AB	P	MP	X			
Stuart Cotts	Oregon Shakespeare Festival	Oregon Shakespeare Festival	P	U				
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP				
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP				
Robert Armstrong	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP	X			
Ron Bonner	PLASA	PLASA	P	G				
Charles Reese	Production Resource Group	Production Resource Group	P	DR	X			
Robert Tooker	Production Resource Group	Production Resource Group	A	DR				
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP	X			
Hans Lau	Sand Network Systems, Inc.	Sand Network Systems, Inc.	P	MP				
Yngve Sandboe	Sand Network Systems, Inc.	Sand Network Systems, Inc.	A	MP				
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G	X			
Phillip M. Gallo	TMB	TMB	P	DR				
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U	X			
			29		20	0	0	0
			3	CP	2			
			14	MP	10			
		Votes by interest category	2	DR	1			
			5	U	3			
			5	G	4			

8.6 E1.17 Architecture for Control Networks

Dan Antonuk reported that the task group has a set of errata documents for E1.17 consisting of an errata list for each document and a revised standard. He moved that the documents be offered for a first public review. The motion was seconded. The question will be decided by a letter ballot that will be issued when the task group turns over the documents to the Technical Standards Manager. The documents were not presented at the meeting.

Antonuk reported that the Open ACN code is becoming popular. The Harmon Pro Group is working on using ACN in its audio products. Open source code for E1.31 also is available, said Antonuk.

8.7 BSR E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using E1.17

8.7.1 BSR E1.30-1-200x

Progress toward next review. See NeedsResolsEmail.pdf and EPI 23r2.pdf.
No news.

8.7.2 BSR E1.30-3 Time Reference in ACN Systems Using SNTP and NTP

Karl Ruling reported that it had been submitted to the ESTA board for approval at its meeting here at the Marriott Solana, this meeting cycle.

8.7.3 BSR E1.30-4 (DDL) Extensions for DMX512 and E1.31 Devices

Report on public review. Where do we go from here? See E1-30-4Cmmnts.zip

Philip said that the one comment could be accepted without making substantive changes. On the to-do list.

8.7.4 BSR E1.30-7 Allocation of Internet Protocol Version 4 Addresses to ACN Hosts

Karl Ruling reported that it had been submitted to the ESTA board for approval at its meeting here at the Marriott Solana, this meeting cycle.

8.7.5 ANSI E1.30-10 Identification of Draft Device Description Language Modules

Ruling report that it's published.

8.7.6 Other BSR E1.30-x documents

Report on progress with other parts.

Antonuk said that the remaining documents are in the works, that there are about five of them. E1.30-11 would be a standard way of reporting errors and issuing logs. E1.30-12 might be one on metadata, information such as that a particular intensity value is controlling a luminaire or dimmer in "room one."

8.8 ANSI E1.31, Lightweight streaming protocol for transport of DMX512 using ACN

Ruling reported that ANSI E1.31 is published and available for sale. This news was greeted with applause.

8.9 BSR E1.33-200x, Extensions to E1.31 for Transport of ANSI E1.20 (RDM)

Scott Blair reported that the task group has decided to use multicast rather than unicast messages. The task group has done a lot of work, and that he expects to have a complete "real document" by the next meeting, but that document will still need more work by the task group to integrate it, flesh out details, et cetera.

Mike Lay asked about how work will be done between now and LDI. Blair said that the task group will continue to work via email and other means. It is not waiting until the next meeting to accomplish anything.

8.10 BSR E1.37-200x—Additional Message Sets for ANSI E1.20, Remote Device Management

Peter Willis and Scott Blair said that the task group is making progress on the message sets. Blair said he expects to offer a motion for a public review at the LDI meeting.

9 New business

9.1 Control desk task light connector

Paul McMaster proposed the idea that control desks should use a standardized connector to power plug-in task lights. There was discussion about the numerous connectors that are used on lighting control desks and also on audio consoles. Mike Lay asked for some research to see if there might be some commonality with audio equipment. He also directed McMaster to fill out the standards request form.

9.2 Ethernet recommended practice

Mike Lay said the documents need work. (The recommended practice is two documents now sold as one, since the basic document describes obsolete technology, but the supplement does not make sense without the background information in the basic document.) He had toyed with the idea of withdrawing the documents, but people are still buying them, so there is a demonstrated need.

There was some discussion of who might work on the documents and what needs to be done. Karl Ruling said he'd put the recommended practice documents in the free area of the ESTA website so working group members can access them.

There was a discussion of adding the topic of Ethernet switches to the documents. The consensus was that the Ethernet recommended practice should continue to be only a structured cabling document. Control desk manufacturers should publish performance specifications for Ethernet switches used with their equipment.

9.3 Nominations for working group co-chair

Michael Lay's two-year term is at an end; Tracy Underhill's continues. Nominations were submitted for a vote by email. The nominees were:

Charles Reese
Kimberly Corbett
Michael Lay
Milton Davis
Robert Bell
Roger Lattin
Ted Paget

9.4 task group chair meeting

Mike Lay said he wants to have a short organizational meeting of task group leaders at LDI before the CPWG meeting. Details to come.

10 Other business

10.1 RDM Plugfest

Scott Blair reported on the on-going RDM Plugfest. He said that some bugs had been found in the submitted equipment, but they are few and are getting fixed.

10.2 Vetting ESET definitions

Robert Bell explained that ESET (Essential Skills for the Entertainment Technician) has a published an immense glossary that working group members are being invited to review for errors. He cautioned working group members to remember that the definitions are intended to be very simple, but accurate. The intended audience is middle school and high school students. A user name, password, and URL were issued at the meeting to allow people to access the on-line glossary.

10.3 LDI Sessions & Controls Protocol Pavilion

Karl Ruling read aloud the descriptions of the CPWG-related LDI sessions that had been scheduled.

Mike Lay asked Peter Willis to put together another Controls Protocol Pavilion. Willis asked if we need a new presentation format? Should it be just a display, or a series of presentations at set times? There was a discussion of the presentation format and the need to get more theatre consultants and sales reps to visit the pavilion.

10.4 Outreach to theatre consultants/Control Protocol Marketing

A discussion about getting theatre consultants to visit the pavilion led to a discussion of the acceptance of ACN and RDM by the theatre consultant community. Kimberly Corbett said that the theatre consultant community seems to feel that ACN is coming along but isn't really a viable product yet. This led to a further discussion of making a presentation to ASTC at the September or Winter meeting.

Michael Lay asked Mitch Hefter to chair an ad hoc committee consisting of Mitch Hefter, Kimberly Corbett and Ted Paget. Two goals were established for this Ad Hoc committee:

1. Short Term - What might we do to get more specifying consultants to visit the ESTA Connectivity Pavilion at LDI so that we can communicate that our standards are published, products exist, and ACN and RDM are ready to be specified in their project work.
2. Long Term - What might we do to market/promote the ACN and RDM standards to the larger lighting community, with a focus on communicating to the consulting community.

11 Schedule for future meetings

Mike Lay announced that the next working group meeting will be held in conjunction with LDI 2009 in Orlando, FL. The meeting will be Thursday, November 19, from 09:00 to 13:00, at the Rosen Plaza Hotel on International Drive. This hotel is not to be confused with the Rosen Centre Hotel, which is at the other end of the convention center.

12 Adjournment

Ted Paget moved that the meeting adjourn. The motion was seconded and then approved with a show of hands.

Mike Lay declared the meeting adjourned at 15:13.

Working Group Membership and Contact Information as of 7 August 2009

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	P	CP
Tim Bachman	A.C.T Lighting, Inc.	A.C.T Lighting, Inc.	O	DR
John Sellers	AIM Northwest	AIM Northwest	O	G
André Broucke	André Broucke	André Broucke	O	G
Jon Lenard	Applied Electronics	Applied Electronics	O	MP
Arnold Tang	Arnold Tang Productions	Arnold Tang Productions	O	U
Wayne David Howell	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	O	CP
Simon Hobday	Artistic Licence (UK) Ltd.	Artistic Licence (UK) Ltd.	O	CP
Steve Friedlander	Auerbach Pollock Friedlander	Auerbach Pollock Friedlander	O	U
J. B. Toby	Avolites Ltd.	Avolites Ltd.	O	MP
Shahid Anwar	Avolites Ltd.	Avolites Ltd.	O	MP
Richard Salzedo	Avolites Ltd.	Avolites Ltd.	O	MP
Barbara Wohlsen	Barbara Wohlsen	Barbara Wohlsen	O	U
Tobin Neis	Barbizon Companies	Barbizon Companies	O	DR
Scott M. Blair	High End Systems Inc.	Barco	P	MP
Tom Grimes	High End Systems, Inc.	Barco	A	MP
Jiantong Wu	Beijing Special Engineering Design & Research Institute	Beijing Special Engineering Design & Research Institute	O	G
Bernardo Benito Rico	Ben-Ri Electronica S.A.	Ben-Ri Electronica S.A.	O	MP
Lee J. Bloch	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Soo-Myong Chung	Bloch Design Group, Inc.	Bloch Design Group, Inc.	O	G
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	O	U
Will Wagner	Carallon Ltd.	Carallon Ltd.	O	MP
Steve Roberts	Carr & Angier	Carr & Angier	O	G

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Bob Toms	Catalyst Microsystems LLC	Catalyst Microsystems LLC	O	G
Marty Lazarus	Chicago Spotlight, Inc.	Chicago Spotlight, Inc.	O	G
Chuck Seifried	Phoenix Civic Plaza	City of Phoenix	O	U
Paul Kleissler	City Theatrical, Inc.	City Theatrical, Inc.	P	MP
Larry Dunn	City Theatrical, Inc.	City Theatrical, Inc.	O	MP
Fabiano Pina	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
Yehuda Shukram	Compulite Systems	Compulite Systems	O	MP
Dietmar Rottinghaus	Connex GmbH	Connex GmbH	O	G
Paul McMaster	Zero 88	Cooper Controls Ltd.	P	MP
Paul Kenneth McEwan	Zero 88	Cooper Controls Ltd.	O	MP
Edward A. (Ted) Paget	Vortek Rigging Division	Daktronics Inc.	P	G
David Bertenshaw	David Bertenshaw	David Bertenshaw	O	G
Larry Schoeneman	Designlab Chicago, Inc.	Designlab Chicago, Inc.	O	DR
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	DIN, NVBF Committee	P	U
Doug Fleenor	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Gary Dove	Dove Systems	Dove Systems	O	MP
Jerry Durand	Durand Interstellar, Inc.	Durand Interstellar, Inc.	O	CP
Jussi Kallioinen	Eastway Sound & Lighting	Eastway Sound & Lighting	O	U
Edward R. Condit	Edward R. Condit	Edward R. Condit	O	G
Ed Jones	Edwin Jones Co., Inc.	Edwin Jones Co., Inc.	O	CP
Joost van Eenbergen	ELC Lighting	ELC Lighting	O	MP
Daniel W. Antonuk	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Adam Bennette	Electronic Theatre Controls Ltd.	Electronic Theatre Controls, Inc.	O	MP

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Hans Leiter	ETC GmbH	Electronic Theatre Controls, Inc.	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP
Tracy Underhill	Electronics Diversified LLC	Electronics Diversified LLC	P	MP
Ralph Weber	ENDL Texas	ENDL Texas	O	G
Philip Nye	Engineering Arts	Engineering Arts	P	G
Eric Johnson	Eric Johnson	Eric Johnson	O	MP
Eric Proce	Eric Proce	Eric Proce	O	U
Erwin Rol	Erwin Rol Software Engineering	Erwin Rol	O	G
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP
Sierk Janszen	Kiss Box	Ground Zero	O	U
Jody Williquette	Harting Inc., North America	Harting KGAA	P	G
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Bill Hewlett	Hewlett Electronics	Hewlett Electronics	O	CP
Steve Carlson	High Speed Design, Inc.	High Speed Design, Inc.	O	MP
Kirk D. Keen	Hollywood Lighting Services, Inc.	Hollywood Lighting, Inc.	O	DR
Alan Martello	Horizon Control Inc.	Horizon Control Inc.	P	MP
Robert Bell	Horizon Control Inc.	Horizon Control Inc.	A	MP
Gary Douglas	Horizon Control Inc.	Horizon Control Inc.	A	MP
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP
Paul J. Clark	HxDx	HxDx	O	CP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
John Huntington	City Tech, Ent Tech Department	I.A.T.S.E. Local 1	A	U
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Dennis Grow	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U

Name	Company	Representing (This is the sort field.)	Voting status	Int. cat.
Geoffrey O. Thompson	Nortel Networks, Inc.	IEEE 802.3/Nortel Networks	O	G
John (Javid) D. Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
Michael (Mike) Whetstone	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
Rob Johnston	Interactive Technologies, Inc.	Interactive Technologies, Inc.	O	MP
David Timmins	Jands Electronics	Jands Electronics	O	MP
Helge Hoffmann	JB Lighting	JB Lighting	O	MP
Christopher Purpura	Jones & Phillips Associates, Inc.	Jones & Phillips Associates, Inc.	O	G
Josh Gubler	Josh Gubler	Josh Gubler	O	CP
John Mehlretter	Lehigh Electric Products Co.	Lehigh Electric Products Co.	O	MP
Mark T. Kraft	Lehigh Electric Products Co.	Lehigh Electric Products Co.	O	MP
Ken Vannice	Leviton Manufacturing	Leviton Manufacturing Co., Inc.	P	MP
Rick Leinen	Leviton Manufacturing Co., Inc.	Leviton Manufacturing Co., Inc.	O	MP
Lars Wernlund	Lewlight	Lewlight	O	MP
Tyrone Mellon Jr.	Lex Products Corp.	Lex Products Corp.	P	CP
Klaus Amling	Licht-Technik	Licht-Technik	O	MP
David Yellin	LightMinded Industries, Inc.	LightMinded Industries, Inc.	P	MP
Andrew Sherar	Lightmoves PLC	Lightmoves PLC	O	MP
Avraham Mendall Mor "Avi"	Lightswitch	Lightswitch	O	U
Simon Alpert	Lighttech Event Technologies	Lighttech Event Technologies	O	CP
Gary Pritchard	LSC Lighting Systems (Aust) PTY Ltd	LSC Lighting Systems PTY Ltd	O	MP
Michael Karlsson	LumenRadio AB	LumenRadio AB	P	MP
Bart Swinnen	Luminex LCE	Luminex LCE	O	MP
Jim Holladay	Luxence	Luxence	O	G
Torben Kaas Rasmussen	Martin Professional A/S	Martin Professional A/S	O	G
Hiroshi Kita	Marumo Electric Co., Ltd.	Marumo Electric Co., Ltd.	O	MP

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Stuart Cotts	Oregon Shakespeare Festival	Oregon Shakespeare Festival	P	U
David A. Boller	Organic Machines LLC	Organic Machines LLC	O	CP
William Benner	Pangolin Laser Systems	Pangolin Laser Systems	O	MP
Kevin Loewen	Pathway Connectivity Inc.	Pathway Connectivity Inc.	P	MP
Dave Higgins	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Robert Armstrong	Pathway Connectivity Inc.	Pathway Connectivity Inc.	A	MP
Ron Bonner	PLASA	PLASA	P	G
James Eade	PLASA	PLASA	O	G
Charles Reese	Production Resource Group	Production Resource Group	P	DR
Robert Tooker	Production Resource Group	Production Resource Group	A	DR
Paul F. Mardon	Pulsar Ltd.	Pulsar Ltd.	O	MP
Steve Unwin	Pulsar Ltd.	Pulsar Ltd.	O	MP
Stephen J. Tyrrell	Quantum Logic	Quantum Logic	O	MP
Douglas Franz	QVC Network	QVC Network	O	U
Sean Harding	Rhode Island College	Rhode Island College	O	U
Charlie Richmond	Richmond Sound Design Ltd.	Richmond Sound Design Ltd.	O	CP
Martin Farnik	Robe Show Lighting s.r.o.	Robe Show Lighting s.r.o.	O	MP
Michael Lay	Philips Strand Lighting	Royal Philips Electronics	P	MP
Mike Blackwell	Philips/Color Kinetics	Royal Philips Electronics	O	MP
John Warwick	Philips/Color Kinetics	Royal Philips Electronics	O	MP
Hans Lau	Sand Network Systems, Inc.	Sand Network Systems, Inc.	P	MP
Yngve Sandboe	Sand Network Systems, Inc.	Sand Network Systems, Inc.	A	MP
Kimberly Corbett	Schuler Shook	Schuler Shook	P	G
Lars F. Paape	Scientific Algorithms and Embedded Systems	Scientific Algorithms and Embedded Systems	O	U
Mick Martin	ShowCAD Control Systems	ShowCAD Control Systems	O	MP

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Loren Wilton	Showman Systems	Showman Systems	O	CP
Mark Manthei	Shure Inc.	Shure Inc.	O	G
Kehang Wu	Shure Inc.	Shure Inc.	O	G
Jon R. Farley	Sixteenth Avenue Systems	Sixteenth Avenue Systems	O	CP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Ujjal Kar	Standard Robotics & Lighting	Standard Robotics & Lighting	O	G
Paul K. Ericson	Syska Hennessy Group Lighting Design	Syska Hennessy Group Lighting Design	O	U
Stephen Bickford	T. Kondos Associates	T. Kondos Associates	O	U
Tad Trylski	Tad Trylski	Tad Trylski	O	U
Klas Dalbjorn	Labgruppen AB	TC Group	O	MP
Dominic Vincenty	TPS	Television Production Service	O	DR
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Phillip M. Gallo	TMB	TMB	P	DR
Colin Waters	TMB	TMB	O	U
Mitch Hefter	Entertainment Technology (Royal Philips Electronics)	USITT	P	U
Torrey Bievenour	Vision Quest Lighting	Vision Quest Lighting	O	G
Eric Cornwell	West Side Systems	West Side Systems	O	U
John Sondericker III	Wybron, Inc.	Wybron, Inc.	O	MP

Key to codes:

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