

**Minutes CPWG Meeting via WebEx  
Wednesday 29 August 2018**

**Chairpersons:**

Milton Davis (presiding); Doug Fleenor Design, Inc.; P; MP  
Michael Lay; Signify; P; MP

**Recording secretaries:**

Karl Ruling, Erin Grabe, and Richard Nix; ESTA

**Members attending:**

Christian Allabauer; Christian Allabauer; O; G  
Scott M. Blair; Megapixel; P; CP  
Eric Bloom; Westview Productions; P; DR  
Javid Butler; Integrated Theatre, Inc.; O; CP  
Ian Campbell; Doug Fleenor Design, Inc.; A; MP  
Milton Davis; Doug Fleenor Design, Inc.; P; MP  
Bill Ellis; Candela Controls, Inc.; P; DE  
Andrew Frazer; Stellascapes.com; P; MP  
Robert Goddard; Goddard Design Co.; P; MP  
George Gong; Philips Lighting; O; MP  
Nick Harper; Nick Harper; I; G  
Robert Haycock; UC Berkeley; I; U  
Mitch Heffer; USITT; P; U  
Jon Hole; Eaton; P; MP  
Wayne David Howell; Artistic Licence Holdings; P; DE  
Sam Kearney; Electronic Theatre Controls, Inc.; P; MP  
Paul Kleissler; City Theatrical, Inc.; P; MP  
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U  
Roger Lattin; I.A.T.S.E. Local 728; P; U  
Kevin Loewen; Acuity Brands Inc.; P; MP  
Jim Love; Tait Towers Manufacturing LLC; P; MP  
Daniel Murfin; Royal National Theatre; P; U  
Simon Newton; Open Lighting Project; P; G  
Maya Nigrosh; Sonos; P; MP  
Mark Primrose; Kino Flo, Inc.; P; CP  
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR  
Peter Willis; Howard Eaton Lighting Ltd.; P; CP

**1 Opening remarks**

Milton Davis called the meeting to order at 12:33pm Eastern Time, thanking everyone in attendance for their time today. He reminded everyone to please mute their microphones when not speaking.

**2 Attendance**

**2.1 Introductions of those present and circulation of attendance sheet**

**2.2 Introductions of those present via WebEx**

Milton Davis asked everyone to introduce themselves. Karl Ruling said he would not be circulating a brightly colored sign-in sheet today.

**2.3 Determination of a quorum**

*There are currently 31 votes possible. A quorum is 11; supermajority is 16.*

Richard Nix looked at the WebEx attendees table and acknowledged that the requirements for a quorum and a supermajority were both met.

## 2.4 Recognition of alternate voting members

Milton Davis acknowledged the alternate voters in the room, reminding principal voters and their respective alternates, if present, to coordinate voting efforts.

## 3 Membership

### 3.1 Requirements for membership

Milton Davis read the following statement aloud to the assembly:

*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. There is an annual \$100 participation fee for all members. 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

*The following voters have missed the last two meetings and are in jeopardy of being moved to Observer status if not present for this meeting:*

*Marcus Bengtsson and Mit Patel; disguise  
Andrew Frazer; Stellascares.com*

Neither Marcus Bengtsson nor Mit Patel were present, so their status was changed to that of Observer. Andrew Frazer was present for the meeting.

### 3.3 Processing of new membership requests and changes in membership status:

*Mark Primrose; Kino Flo Inc.; P; CP*

Scott Blair moved to accept the application, the motion was seconded, and carried with no objection or abstention. Welcome!

### 3.4 Consensus body

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

Name	Representing	Status	Int Cat
Kevin Loewen	Acuity Brands Inc.	P	MP
Robert Bell	Acuity Brands Inc.	A	MP
Maurits van der Hoorn	Acuity Brands Inc.	A	MP
Wayne David Howell	Artistic Licence Holdings	P	DE
Bill Ellis	Candela Controls, Inc.	P	DE
Brent Boulnois	Candela Controls, Inc.	A	DE
Jim Ohrberg	Candela Controls, Inc.	A	DE
Jason Potterf	Cisco	P	MP
Paul Kleissler	City Theatrical, Inc.	P	MP
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Milton Davis	Doug Fleenor Design, Inc.	P	MP
Ian Campbell	Doug Fleenor Design, Inc.	A	MP
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	P	U
Jon Hole	Eaton	P	MP
Sam Kearney	Electronic Theatre Controls, Inc.	P	MP
Steve Terry	Electronic Theatre Controls, Inc.	A	MP
Eric Rasmussen	Electronic Theatre Controls, Inc.	A	MP
Andrew Atienza	Full Throttle Films/ VER	P	DR
Robert Goddard	Goddard Design Co.	P	MP
Peter Willis	Howard Eaton Lighting Ltd.	P	CP

Name	Representing	Status	Int Cat
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U
John Huntington	I.A.T.S.E. Local 1	A	U
Roger Lattin	I.A.T.S.E. Local 728	P	U
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
David Kane	I.A.T.S.E. Local 728	A	U
Matthew Ardine	I.A.T.S.E. Local 728	A	U
Mark Primrose	Kino Flo, Inc.	P	CP
John Valus_Jr.	Lex TM3	P	CP
Scott M. Blair	Megapixel	P	CP
Nick Harper	Nick Harper	I	G
Simon Newton	Open Lighting Project	P	G
Daniel Murfin	Royal National Theatre	P	U
Bill McIntyre	Show Distribution Group, Inc.	P	CP
Michael Lay	Signify	P	MP
Maya Nigrosh	Sonos	P	MP
Andrew Frazer	Stellascapes.com	P	MP
Jim Love	Tait Towers Manufacturing LLC	P	MP
Julian Hoare	Tait Towers Manufacturing LLC	A	MP
Robert Haycock	UC Berkeley	I	U
Mitch Hefter	USITT	P	U
Paul Beasley	Walt Disney Company	P	U
Eric Bloom	Westview Productions	P	DR
Andrew Berry	X-Laser	P	MP
<b>Total votes Possible:</b>		<b>31</b>	
		5	CP
		2	DE
<b>Votes by interest category:</b>		3	DR
		2	G
		12	MP
		7	U

P = Principal voter, A = Alternate voter, I = Individual voter  
 CP = Custom-market producer, DE = Designer, DR = Dealer or rental company, G = General interest, MP = Mass-market producer, U = User

#### 4 Approval of the minutes from the previous meeting

See CPmin07-2018\_DRAFT.pdf

Scott Blair moved to approve the minutes, the motion was seconded and carried with no objection, and one abstention.

#### 5 Reading of the call for patents

Milton Davis 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, patent application, 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.*

Nothing was revealed.

## **6 Reading of the anti-trust statement**

Milton Davis read the following statement aloud to the assembly:

*ESTA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all ESTA events, all discussions will be limited to those subjects that are permitted by the antitrust laws. All members should refrain from any discussion or mention of competitively sensitive subjects such as the current or future prices charged for any member product or services, current or future marketing plans or strategies, and current or future costs, including employee salaries. There also must be no agreement on the suppliers or customers that members will or will not do business with or the markets in which members will conduct business.*

*Violations of the antitrust laws can have serious consequences. If you have any questions or concerns about anything that is discussed at a ESTA meeting, please bring your concern to ESTA management. An easy to read pamphlet describing the antitrust laws is available from the ESTA staff.*

No anti-trust/restraint of trade concerns were reported.

## **7 Approval of agenda**

Scott Blair moved to approve the agenda as modified by item 11. The motion was seconded and carried without objection or abstention.

## **8 Old business**

### **8.1 BSR E1.33: Motion and vote for public review**

*See E1.33 CP\_2018-1017 by Comment #.pdf for resolutions approved at the 21 July 2018 meeting. See E1.33 2018-08-03 Intermediate Diff.pdf and E1-33 2018-08-12.pdf for proposed revised standard for public review.*

Scott Blair moved to send the document to public review. The motion was seconded and carried by unanimous consent of the voters present. The document will be sent to public review.

### **8.2 BSR E1.37-7: Motion and vote for public review**

*See E1.37-7 CP\_2018-1018 by Comment #.pdf and See E1.37-7 Gateway PIDs 2018-07-02 DIFF.pdf for resolutions approved at the 21 July 2018 meeting. See E1.37-7 Gateway PIDs 2018-07-02.pdf for proposed revised standard for public review.*

Scott Blair moved to send the document to public review. The motion was seconded and carried by unanimous consent of the voters present. The document will be sent to public review.

## **9 New business**

## **10 Other business**

## **11 Announcements**

Milton Davis reminded everyone that the NAMM booking links open today, and to please make reservations early. Scott Blair reminded everyone that a schedule for meetings are posted. Erin Grabe described an error she received while attempting to register today, and asked everyone to be patient when they try to register; staff is working out the bugs.

## **12 Adjournment**

Scott Blair moved to adjourn. The agenda being complete, and there being no further business to address, Milton Davis adjourned the meeting at 12:57 p.m. Eastern Time.

Control Protocols Working Group members as of 29 August 2018

Name	Company	Representing	Status	Int Cat
Christian Allabauer	Christian Allabauer	Christian Allabauer	O	G
Matthew Ardine	IATSE Local 728	IATSE Local 728	A	U
Andrew Atienza	Full Throttle Films/ VER	Full Throttle Films/ VER	P	DR
Nick Ballhorn-Wagner	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	O	MP
Robert Barbagallo	Solotech Inc.	Solotech Inc.	O	U
Paul Beasley	Walt Disney Imagineering	Walt Disney Company	P	U
Robert Bell	Acuity Brands Lighting	Acuity Brands Inc.	A	MP
Marcus Bengtsson	disguise	disguise	O	MP
Andrew Berry	X-Laser	X-Laser	P	MP
Scott M. Blair	Megapixel	Megapixel	P	CP
Eric Bloom	Westview Productions	Westview Productions	P	DR
Brent Boulnois	Candela Controls, Inc.	Candela Controls, Inc.	A	DE
Javid Butler	Integrated Theatre, Inc.	Integrated Theatre, Inc.	O	CP
Justyn Butler	JBOTS	JBOTS	O	CP
Ian Campbell	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	A	MP
Jean-Francois Canuel	Spectrum Manufacturing Inc.	A.C. Lighting Ltd.	O	CP
Steve Carlson	High Speed Design, Inc.	High Speed Design, Inc.	O	MP
Anthony Chiappone	Chauvet Lighting	Chauvet Lighting	O	MP
Martin Chisnall	Martin Chisnall	Martin Chisnall	O	U
Jon Chuchla	Audio Visual Systems, Inc.	Audio Visual Systems, Inc.	O	G
Edward R. Condit	OSRAM Lighting Solutions	OSRAM Licht AG	O	G
Gareth Conner	Creative Conners, Inc.	Creative Conners, Inc.	O	MP
Fraser Connolly	Obsidian Controls	Obsidian Controls	O	DE
Milton Davis	Doug Fleenor Design, Inc.	Doug Fleenor Design, Inc.	P	MP
Jeremy Day	Lumenpulse Lighting Inc.	Lumenpulse Lighting Inc.	O	MP
Larry Dew	W.A. Benjamin Electric Co.	W.A. Benjamin Electric Co.	O	DE

Control Protocols Working Group members as of 29 August 2018

Name	Company	Representing	Status	Int Cat
Rich Dionne	Dept. of Theatre	Purdue University	O	DE
Tucker Downs	Tucker Downs	Tucker Downs	O	U
Hamish Dumbreck	JESE Ltd.	James Embedded Systems Engineering	O	MP
James Eade	ABTT	ABTT	O	G
Bill Ellis	Candela Controls, Inc.	Candela Controls, Inc.	P	DE
Paul K. Ericson	Sparling	Stantec	O	DE
Trevor Forrest	Helvar Lighting Control	Helvar Lighting Control	O	MP
Andrew Frazer	Stellascapes.com	Stellascapes.com	P	MP
Robert Goddard	Goddard Design Co.	Goddard Design Co.	P	MP
George Gong	Philips Lighting	Philips Lighting	O	MP
David Gooch	Chauvet Lighting	Chauvet Lighting	O	MP
Jerry Gorrell	Theatre Safety Programs	Theatre Safety Programs	O	G
Erin Grabe	ESTA	ESTA	exf	G
Sean Harding	Port Lighting Systems	Port Lighting Systems	O	G
Nick Harper	Alphabet	Nick Harper	I	G
Robert Haycock	Cal Performances	UC Berkeley	I	U
Mitch Hefter	Mitch Hefter	USITT	P	U
Bill Hewlett	ImageCue LLC	ImageCue LLC	O	MP
Julian Hoare	Tait Towers	Tait Towers Manufacturing LLC	A	MP
Jon Hole	Zero 88	Eaton	P	MP
Jim Holladay	Luxence	Luxence	O	G
Maurits van der Hoorn	Pathway Connectivity	Acuity Brands Inc.	A	MP
Wayne David Howell	Artistic Licence Engineering Ltd.	Artistic Licence Holdings	P	DE
John Huntington	City Tech, Ent Tech Department	I.A.T.S.E. Local 1	A	U
Eric Johnson	Eric Johnson	Eric Johnson	O	G
Rob Johnston	Interactive Technologies, Inc.	Interactive Technologies, Inc.	O	MP

Control Protocols Working Group members as of 29 August 2018

Name	Company	Representing	Status	Int Cat
John Valus_Jr.	LEX Products	Lex TM3	P	CP
David Kane	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	A	U
Michael Karlsson	LumenRadio AB	LumenRadio AB	O	MP
Sam Kearney	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	P	MP
Jonathan Kemble	High End Systems	ETC	O	MP
Christopher Kennedy	ChamSys Ltd.	Chauvet Lighting	O	MP
Paul Kleissler	City Theatrical, Inc.	City Theatrical, Inc.	P	MP
Lucas Korytkowski	Rosstech	Insight Lighting	O	MP
Edwin S. Kramer	I.A.T.S.E. Local 1	I.A.T.S.E. Local 1	P	U
Ulrich Kunkel	E3 Engineering & Education for Entertainment GmbH	E3 Engineering & Education for Entertainment GmbH	P	U
Jason Kyle	JPK Systems Ltd.	JPK Systems Ltd.	O	MP
Roger Lattin	I.A.T.S.E. Local 728	I.A.T.S.E. Local 728	P	U
Michael Lay	Signify	Signify	P	MP
Hans Leiter	ETC GmbH	Electronic Theatre Controls, Inc.	O	MP
Jon Lenard	Applied Electronics	Applied Electronics	O	MP
Dan Lisowski	Dept. Of Theatre and Drama	University of Wisconsin - Madison	O	DE
Kevin Loewen	Pathway Connectivity	Acuity Brands Inc.	P	MP
Jim Love	Tait Towers	Tait Towers Manufacturing LLC	P	MP
Rob Love	Rosstech	Insight Lighting	O	MP
Royal Marty	ZFX, Inc.	ZFX, Inc.	O	MP
Bill McIntyre	Niscon Inc.	Show Distribution Group, Inc.	P	CP
John Mehlretter	Lehigh Electric Products Co.	Lehigh Electric Products Co.	O	MP
Daniel Murfin	Royal National Theatre	Royal National Theatre	P	U
John Musarra	John Musarra	John Musarra	O	U
Simon Newton	Open Lighting Project	Open Lighting Project	P	G
Maya Nigrosh	Sonos	Sonos	P	MP

Control Protocols Working Group members as of 29 August 2018

Name	Company	Representing	Status	Int Cat
Richard J. Nix	ESTA	ESTA	exf	G
Jim Ohrberg	Candela Controls, Inc.	Candela Controls, Inc.	A	DE
Danilo Oliveira	Chauvet Lighting	Chauvet Lighting	O	MP
Mit Patel	disguise	disguise	O	MP
Jaxon Patterson	Insight Lighting	Insight Lighting	O	MP
Soren Sterdorff Peglau	Brother, Brother and Sons	Brother, Brother and Sons	O	MP
Jason Potterf	Cisco	Cisco	P	MP
Mark Primrose	Kino Flo, Inc.	Kino Flo, Inc.	P	CP
Gary Pritchard	LSC Lighting Systems (Aust) PTY Ltd	LSC Lighting Systems PTY Ltd	O	MP
Eric Rasmussen	Electronic Theatre Controls, Inc.	Electronic Theatre Controls, Inc.	A	MP
Charles Reese	Production Resource Group	Production Resource Group	O	DR
Alan M. Rowe	IATSE Local 728	I.A.T.S.E. Local 728	A	U
Karl G. Ruling	ESTA	ESTA	exf	G
Yngve Sandboe	Sand Network Systems, Inc.	Sand Network Systems, Inc.	O	MP
Nicolai Gubi Schmidt	Gobo & Highlight A/S	Gobo & Highlight A/S	O	DR
Larry Schoeneman	DesignLab Chicago, Inc.	DesignLab Chicago, Inc.	P	DR
Ford Sellers	Chauvet Lighting	Chauvet Lighting	O	MP
Sean Sill	Sean Sill	Sean Sill	O	CP
Ralph Stillinger	Strand Lighting	Philips Lighting	O	MP
Steve Terry	Electronic Theatre Controls	Electronic Theatre Controls, Inc.	A	MP
Christopher B. Tilton	About the Stage, LLC	About the Stage, LLC	O	DE
Robert Timmerman	Philips Color Kinetics	Philips Lighting	O	MP
James Tomlinson	Team Tomlinson	Team Tomlinson	O	G
Tracy Underhill	Triple C Lighting & Controls	Triple C Lighting & Controls	O	G
Carlo Venturati	Clay Paky S.P.A.	Clay Paky S.P.A.	O	MP
Will Wagner	Carallon Ltd.	Carallon Ltd.	O	MP



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Colin Waters	TMB	TMB	O	DR
Ralph Weber	ENDL Texas	ENDL Texas	O	G
Peter Willis	Howard Eaton Lighting Ltd.	Howard Eaton Lighting Ltd.	P	CP
Loren Wilton	Showman Systems	Showman Systems	O	CP
David Yellin	Sumolight GmbH	Sumolight GmbH	O	MP
Jeong Sik Yoo	Ghost LX	Ghost LX	O	DE

**Voting Status Key:** P = Principal voter, A = Alternate voter, I = Individual voter, O = Observer member, exf = Ex Officio member

**Interest Category Key:** CP = Custom-market producer, DE = Designer, DR = Dealer or rental company, G = General interest, MP = Mass-market producer, U = User

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