

Minutes
Control Protocols Working Group
Thursday, 20 November 2014
Westgate Las Vegas
Las Vegas, NV

Presiding chairperson: Michael Lay; Philips Color Kinetics; Royal Philips; P; MP

Recording Secretaries: Karl G. Ruling and Erin Grabe; PLASA NA; exf; G

Members in attendance:

Paul Beasley; Walt Disney Imagineering; Walt Disney Company; P; U
Scott M. Blair; Full Throttle Films/ VER; P; DR
Ian Campbell; Doug Fleenor Design; A; MP
Sang-Il Choi; Kyungpook National University; O; G
Casey Diers; DesignLab Chicago, Inc.; A; DR
Hamish Dumbreck; JESE Ltd.; James Embedded Systems Engineering; O; MP
Bill Ellis; Candela Controls, Inc.; P; DE
Randy L. Fox; Walt Disney Company; A; U
Andrew Frazer; Stellasces.com; P; MP
Robert Goddard; Goddard Design Co.; P; MP
Bill Hewlett; Hewlett Electronics; O; CP
Il Soon JANG; ETRI; Electronics and Telecommunications Research Institute; A; G
Peter Kirkup; LumenRadio AB; A; MP
Edwin S. Kramer; I.A.T.S.E. Local 1; P; U
Ulrich Kunkel; E3 Engineering & Education for Entertainment GmbH; DIN, NVBF Committee; P; U
Roger Lattin; I.A.T.S.E. Local 728; P; U
Sang-Kyu Lim; ETRI; Electronics and Telecommunications Research Institute; P; G
Dan Lisowski; Dept. Of Theatre and Drama; University of Wisconsin - Madison; P; DE
Kevin Loewen; Pathway Connectivity Inc.; Acuity Brands Inc.; P; MP
Joshua Moyerman; Stellasces.com; A; MP
John Musarra; O; U
Simon Newton; Open Lighting Project; P; G
Maya Nigrosh; Electronic Theatre Controls, Inc.; A; MP
Andrew Nikel; City Theatrical, Inc.; A; MP
Philip Nye; Acuity Brands Lighting; Acuity Brands Inc.; A; MP
Edward A. (Ted) Paget; Electronic Theatre Controls, Inc.; A; MP
Jason Potterf; Cisco; P; MP
Charles Reese; Production Resource Group; P; DR
Yngve Sandboe; Sand Network Systems, Inc.; O; MP
Larry Schoeneman; DesignLab Chicago, Inc.; P; DR
Sean Sill; Open Lighting Project; O; G
Eckart Steffens; Soundlight, the DMX Company; P; CP
Christopher Tilton; Westlake Reed Leskosky; O; DE
Lars Wernlund; Capture Visualisation AB; O; MP
Peter Willis; Howard Eaton Lighting Ltd.; P; CP

Visitors present:

Bert Sierra; The Kanamit Collective
David Saltiel; Golan & Christie LLP
Julian Wedemeyer; Soundlight, the DMX Company
Mike Wood; Mike Wood Consulting

1 Opening remarks

Michael Lay called the meeting to order at 09:00 by welcoming everyone. He then asked Erin Grabe to briefly explain the teleconferencing equipment and etiquette, which she did.

2 Attendance

2.1 Introductions of those present and circulation of attendance sheet

Self-introductions took place around the room, ending with those attending remotely. A hot pink sign-in sheet was passed around for all to sign.

2.2 Determination of a quorum

Currently there are 20 votes possible. A quorum is 7. Supermajority is 11.

Michael Lay counted 15 voters at the start of meeting by a show of hands, and announced a quorum present.

2.3 Recognition of alternate voting members

Ian Campbell of Doug Fleenor Design was recognized.

3 Membership

3.1 Requirements for membership

The following statement was read aloud to the assembly by Michael 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

No voters were in jeopardy of a change in voting status due to lack of attendance.

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

As of 20 November 2014, the following applications have been received and logged:

Bill Ellis; Candela Controls, Inc.; P; DE
Dan Lisowski; Dept. Of Theatre and Drama; University of Wisconsin - Madison; P; DE
Edward A. (Ted) Paget; Daktronics Automated Rigging Solutions; Electronic Theatre Controls, Inc.; A; G
James Eade; ABTT; O; G (changed from Principal due to lack of attendance)
Jon Chuchla; Audio Visual Systems, Inc.; O; G
Dane Styczynski; Dept. Of Theatre and Drama; University of Wisconsin - Madison; A; DE
Andrew Frazer; Stellascapes.com; P; MP
Stef Bressers; MagicFX B.V.; O; MP
Harrison Hohnholt; City Theatrical; A; MP
Andrew Nickel; City Theatrical; A; MP
Il Soon JANG; ETRI; A; G
Josh Moyerman; Stellascapes.com; A; MP
Ian Campbell; Doug Fleenor Design; A; MP
Mauritis van der Hoorn; Acuity Brands Inc; A; MP
Paul Beasley; Walt Disney Company; O to P
Eckart Steffens; Soundlight, the DMX Company; O to P
Larry Dew; W.A. Benjamin Electric Co.; O; DE
Randy L. Fox; Walt Disney Company; A; U
Ulrich Kunkel; DIN, NVBF Committee; P; U

Scott Blair moved to approve the applications and requested changes in status. The motion was seconded and approved by a show of hands.

3.4 Consensus body

The full consensus body of this working group at the time of this meeting, including those not present, was:

Name	Representing	Voting Status	Interest Category
Kevin Loewen	Acuity Brands Inc.	P	MP
Robert Bell	Acuity Brands Inc.	A	MP
Gary Douglas	Acuity Brands Inc.	A	MP
Philip Nye	Acuity Brands Inc.	A	MP
Maurits van der Hoorn	Acuity Brands Inc.	A	MP
Bill Ellis	Candela Controls, Inc.	P	DE
Jason Potterf	Cisco	P	MP
Paul Kleissler	City Theatrical, Inc.	P	MP
Harrison Hohnholt	City Theatrical, Inc.	A	MP
Andrew Nikel	City Theatrical, Inc.	A	MP
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR
Casey Diers	DesignLab Chicago, Inc.	A	DR
Ulrich Kunkel	DIN, NVBF Committee	P	U
Doug Fleenor	Doug Fleenor Design, Inc.	P	MP
Ian Campbell	Doug Fleenor Design, Inc.	A	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
Maya Nigrosh	Electronic Theatre Controls, Inc.	A	MP
Edward A. (Ted) Paget	Electronic Theatre Controls, Inc.	A	MP
Sang-Kyu Lim	Electronics and Telecommunications Research Institute	P	G
Hyun Jong Kim	Electronics and Telecommunications Research Institute	A	G
Il Soon JANG	Electronics and Telecommunications Research Institute	A	G
Scott M. Blair	Full Throttle Films/ VER	P	DR
Jeremy Hochman	Full Throttle Films/ VER	A	DR
Claude Ostyn	Full Throttle Films/ VER	A	DR
Robert Goddard	Goddard Design Co.	P	MP
Peter Willis	Howard Eaton Lighting Ltd.	P	CP
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
Dennis Grow	I.A.T.S.E. Local 728	A	U
Alan M. Rowe	I.A.T.S.E. Local 728	A	U
Ken Vannice	Ken Vannice LLC	I	G

Name	Representing	Voting Status	Interest Category
Tyrone Mellon_Jr.	Lex Products Corp.	P	CP
Joshua Liposky	Lex Products Corp.	A	CP
Michael Karlsson	LumenRadio AB	P	MP
Marcus Bengtsson	LumenRadio AB	A	MP
Hans Lau	LumenRadio AB	A	MP
Peter Kirkup	LumenRadio AB	A	MP
Simon Newton	Open Lighting Project	P	G
Peter Newman	Open Lighting Project	A	G
Charles Reese	Production Resource Group	P	DR
Michael Lay	Royal Philips	P	MP
Kimberly Corbett Oates	Schuler Shook	P	DE
Eckart Steffens	Soundlight, the DMX Company	P	CP
Andrew Frazer	Stellascapes.com	P	MP
Joshua Moyerman	Stellascapes.com	A	MP
Dan Lisowski	University of Wisconsin - Madison	P	DE
Dane Styczynski	University of Wisconsin - Madison	A	DE
Mitch Hefter	USITT	P	U
Paul Beasley	Walt Disney Company	P	U
Randy L. Fox	Walt Disney Company	A	U
Voting Status Key: P = Principal voter, A = Alternate voter, I = Individual voter			
Votes by Interest Category:			
Custom-market producer		CP	3
Designer		DE	3
Dealer or rental company		DR	3
General interest		G	3
Mass-market producer		MP	9
User		U	5
Total votes possible:			26

4 Approval of the minutes from the previous meeting

See *CPmin07-2014.pdf*.

Eddie Kramer moved to approve the minutes of the July meeting. The motion was seconded and approved by a unanimous show of hands.

5 Patents

5.1 Reading of the call for patents

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

PLASA intends not to publish any standard that contains protected intellectual property, unless that information can be licensed by anyone for a reasonable fee. PLASA uses a process of open patent and copyright disclosures to implement its intent. PLASA 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.

5.2 Patents and PLASA standards

A patent has been issued that covers a lighting control method that is covered by one of PLASA's American National Standards. See US_Pat_8879924.pdf and E1-45_2013.pdf.

A presentation was made by Sang-Kyu Lim on the patent and associated timeline. There was discussion as to the options the group had available, including a withdrawal of the standard from ANSI as an American National Standard. The group heard opinions from numerous members in the room with regard to the standard's value to the industry and the inherent trust necessary for competitive members to collaborate within this open-process consensus body.

Ted Paget moved that the working group withdraw ANSI E1.45. The motion was seconded. There was further discussion about the voting process, which will be decided by letter ballot, concurrent with a public review, per the Policies & Procedures. Voters will have the opportunity to read any comments, either for or against the abandonment of the standard, during the public review period.

Ted Paget then moved to abandon the BSR E1.37-3 project, which is in support of ANSI E1.45. The motion was seconded and approved by roll-call ballot. The motion passed with 15 Yes, 7 Abstain, and zero No votes out of a possible 26, which is the required supermajority. The project has been abandoned. ANSI will be notified.

Name	Representing	Voting Status	Int. cat.	Yes	No	Abstain
Kevin Loewen	Acuity Brands Inc.	P	MP	1		
Robert Bell	Acuity Brands Inc.	A	MP			
Gary Douglas	Acuity Brands Inc.	A	MP			
Philip Nye	Acuity Brands Inc.	A	MP			
Bill Ellis	Candela Controls, Inc.	P	DE	1		
Jason Potterf	Cisco	P	MP	1		
Paul Kleissler	City Theatrical, Inc.	P	MP			
Harrison Hohnholt	City Theatrical, Inc.	A	MP			
Andrew Nikel	City Theatrical, Inc.	A	MP			1
Larry Schoeneman	DesignLab Chicago, Inc.	P	DR	1		
Casey Diers	DesignLab Chicago, Inc.	A	DR			
Ian Campbell	Doug Fleenor Design, Inc.	A				1
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			

Name	Representing	Voting Status	Int. cat.	Yes	No	Abstain
Edward A. (Ted) Paget	Electronic Theatre Controls, Inc.	A	G			
Maya Nigrosh	Electronic Theatre Controls, Inc.	A	MP	1		
Steve Terry	Electronic Theatre Controls, Inc.	A	MP			
Sang-Kyu Lim	Electronics and Telecommunications Research Institute	P	G			1
Il Soon JANG	Electronics and Telecommunications Research Institute	A	G			
Hyun Jong Kim	Electronics and Telecommunications Research Institute	A	G			
Scott M. Blair	Full Throttle Films/ VER	P	DR	1		
Jeremy Hochman	Full Throttle Films/ VER	A	DR			
Claude Ostyn	Full Throttle Films/ VER	A	DR			
Robert Goddard	Goddard Design Co.	P	MP	1		
Peter Willis	Howard Eaton Lighting Ltd.	P	CP			1
Edwin S. Kramer	I.A.T.S.E. Local 1	P	U	1		
John Huntington	I.A.T.S.E. Local 1	A	U			
Roger Lattin	I.A.T.S.E. Local 728	P	U			1
Dennis Grow	I.A.T.S.E. Local 728	A	U			
Alan M. Rowe	I.A.T.S.E. Local 728	A	U			
Ken Vannice	Ken Vannice LLC	I	G			
Tyrone Mellon_Jr.	Lex Products Corp.	P	CP			
Joshua Liposky	Lex Products Corp.	A	CP			
Michael Karlsson	LumenRadio AB	P	MP			
Marcus Bengtsson	LumenRadio AB	A	MP			
Peter Kirkup	LumenRadio AB	A	MP	1		
Hans Lau	LumenRadio AB	A	MP			
Simon Newton	Open Lighting Project	P	G	1		
Peter Newman	Open Lighting Project	A	G			
Charles Reese	Production Resource Group	P	DR	1		
Michael Lay	Royal Philips	P	MP	1		
Kimberly Corbett Oates	Schuler Shook	P	DE			
Joshua Moyerman	Stellascapes	A	MP			
Andrew Frazer	Stellascapes.com	P	MP	1		
Dan Lisowski	University of Wisconsin - Madison	P	DE			1
Dane Styczynski	University of Wisconsin - Madison	A	DE			
Mitch Hefter	USITT	P	U			
Paul Beasley	Walt Disney					1

Name	Representing	Voting Status	Int. cat.	Yes	No	Abstain
Eckart Steffens	Sound Light			1		
Ulrich Kunkel	DIN			1		
Totals				15	0	7

6 Reading of the anti-trust statement

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

PLASA and its members take seriously their obligation to comply with all applicable antitrust laws. Therefore, during this meeting and during all PLASA 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 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 PLASA meeting, please bring your concern to PLASA management. An easy to read pamphlet describing the antitrust laws is available from the PLASA staff.

Erin Grabe held up the pamphlet. No anti-trust problems were revealed.

7 Approval of agenda

TSP financial status was added by Mike Wood. A new product announcement was added by Peter Willis.

Roger Lattin moved to approve the revised agenda. The motion was seconded and approved by a show of hands.

8 Old business

8.1 Standards, Guides & Recommended Practice Maintenance

Any news or action needed on any of the following documents? This is a placeholder in the agenda, so we don't forget to maintain them. Documents prefaced with an asterisk (*) are on the agenda for discussion.

ANSI E1.3 – 2001 (R2011), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification & Application Guide For ANSI E1.3 – 2004 Lighting Control Systems 0 to 10V Analog Control Specifications. (Revision, reaffirmation or withdrawal by 2016)

ANSI E1.11 – 2008 (R2013), Entertainment Technology - USITT DMX512-A, Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories. (Revision, reaffirmation, or withdrawal by 2018)

* ANSI E1.17 – 2010 Entertainment Technology - Architecture for Control Networks (ACN) (Revision, reaffirmation, or withdrawal by 2015)

*ANSI E1.20 - 2010, Remote Device Management over USITT DMX512. (Revision, reaffirmation or withdrawal by 2016)

ANSI E1.27-1 – 2006 (R2011), Entertainment Technology - Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A) Products. (Revision, reaffirmation or withdrawal by 2016)

ANSI E1.27-2 – 2009 (R2014), Entertainment Technology - Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products.

ANSI E1.30-1 - 2010, EPI 23, Device Identification Subdevice. (Revision, reaffirmation or withdrawal by 2016)

ANSI E1.30-3 – 2009 (R2014), EPI 25, Time Reference in ACN Systems Using SNTP and NTP.

ANSI E1.30-4 – 2010, EPI 26, Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices. (Revision, reaffirmation, or withdrawal by 2015)

* ANSI E1.30-7 – 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts. (Revision, reaffirmation, or withdrawal by 2014)

ANSI E1.30-10 – 2009 (R2014), EPI 32, Identification of Draft Device Description Language Modules.

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

ANSI E1.37-1 - 2012, Additional Message Sets for ANSI E1.20, Remote Device Management. (Revision, reaffirmation, or withdrawal by 2017)

* ANSI E1.37-2 - 2014, Additional Message Sets for ANSI E1.20 (RDM) – Part 2, IPv4 & DNS Configuration Messages. (Revision, reaffirmation, or withdrawal by 2019)

ANSI E1.45-2013, Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A) (Revision, reaffirmation, or withdrawal by 2018)

Application Guide for ANSI E1.3 - 2001, Lighting Control Systems 0 to 10V Analog Control Specification

Recommended Practice for Ethernet Cabling Systems in Entertainment Lighting Applications

Supplement to the Recommended Practice for Ethernet Cabling in Entertainment Lighting Applications

8.2 BSR E1.17 - 20x, Architecture for Control Networks

The standard was opened for revision of EPI 19. Draft resolutions to comments received during the first public review have been submitted for consideration by the working group. See BSRE1-17_ResolsToCmmtrs.pdf.

Maya Nigrosh moved to approve the comment resolutions. The motion was seconded and approved by a show of hands with one abstention.

Maya Nigrosh then moved to offer the revised draft for public review. The motion was seconded and approved by a show of hands.

8.3 BSR E1.30-7 – 2009 (R201x), EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts

This draft standard was up for reaffirmation and received comments during the required public review.

Scott Blair reported that there had not been any work done on this project, but that work will begin on Monday.

Michael Lay appointed an E1.30-7 task group, with Scott Blair and Kevin Loewen as co-chairs. The following members are also appointed to the task group: Maya Nigrosh, Philip Nye, Jason Potterf, Dan Antonuk, and Simon Newton. An email reflector was requested

8.4 BSR E1.30-11, EPI 33

See *E1-30-11_PubRevwSummary.pdf*, emailed to the working group 16 September.

Simon Newton proposed that the group should hold off on action this until BSR E1.33 is further along, seeing as how E1.30-11 was written to support E1.33. Michael Lay said that unless there were objections, this would be held until the next meeting.

8.5 BSR E1.31 with Universe Synchronization and Universe Discovery

From the draft July minutes:

Maya Nigrosh reported that most of the comments received were about clarification, but there are some technical issues that need to be considered. Another formal meeting of the task group will be held at LDI.

Maya Nigrosh reported that the task group needs to continue to work, and that they are hopeful they will be done by the end of this meeting cycle.

8.6 BSR E1.33, Transport of ANSI E1.20 (RDM) in an E1.31 environment

A motion was made, seconded, and approved by this working group in March 2014 to:

- *accept the comment resolutions*
- *accept the revised standard as a valid implementation of the resolutions*
- *and to offer the draft standard for public review.*

From the draft July Minutes:

Scott Blair said that the hope had been to have MDNS rather than SLP for discovery. Jason Potterf was leading the effort, and has tested MDNS. It does not scale as they had expected, but they have found ways to work with it. The task group will meet Sunday and will work on creating a document.

A copy of draft resolutions were sent in March, see E1-33_ThrdRvw_DRAFT_Resols.pdf, with a note that the resolutions were not to be considered for a vote, but merely for internal comment. Final draft resolutions and a draft document are still due to proceed with the working group's motion.

Scott Blair reported that he and Jason Potterf are working on the revision and that they intend to have a document for this group to consider by January 2015.

8.7 ANSI E1.37-2 - 2014, Additional Message Sets for ANSI E1.20 (RDM) – Part 2, IPv4 & DNS Configuration Messages

The standard was approved by the ANSI Board of Standards Review on 10 October 2014. It's published! Any news or action at this time?

Simon Newton noted that there is a bug in the approved document. The bug is posted on the RDM forums. There was some discussion of fixing the standard now or waiting to fix it when other bugs are found.

Karl Ruling suggested that a news piece be put onto the News page of the PLASA website that notes the issue and notes that the errors are on the agenda to be fixed when the document is opened for revision. Simon Newton will provide Karl Ruling with the corrected text that satisfies the bug. Karl Ruling added that he will put a link on the published standards page, under the description of the standard, that will go to the news piece.

Peter Willis moved that we publish the errata by the mechanism proposed by Karl Ruling. The motion was seconded and approved by a show of hands.

8.8 BSR E1.37-3, E1.20 Support for E1.45 devices and VLC luminaires

This agenda item has been removed per the vote to abandon the project. No further discussion.

8.9 BSR E1.37-4, Firmware updates via ANSI E1.20, RDM

Peter Willis addressed the group and apologized for involving non-members in the project. The problem has been rectified, with the applications received for these members.

Peter Willis announced that he has a draft of the protocol to do firmware updates.

Simon Newton noted that he felt as though he had been excluded from the process. Both he and Scott Blair reported that they had asked for a copy of the draft but had not received it, and there is no traffic on the reflector.

Michael Lay requested that Peter Willis send the draft through the reflector, and to make certain that all task group members and draft contributors are formally signed up as CPWG members. Eckart Steffens and Maya Nigrosh both requested to be added to the reflector. Peter Willis proposed that the next task group meeting be at the European Plugfest in April 2015.

8.10 BSR E1.37-5, General Purpose Messages for ANSI E1.20 RDM

See E1-37-5_GeneralPurpose_PIDs-rev8.pdf. Simon Newton would like the CPWG to offer it for public review.

Simon Newton moved that the document be offered for public review. The motion was seconded and approved by a show of hands with one abstention.

8.11 BSR E1.37-x, Additional Message Sets for ANSI E1.20, LED walls and video displays

No news or updates at this time, reported Scott Blair.

8.12 European Plugfest

The next European Plugfest will be 22-24 of April 2015. Any news or updates?

Peter Willis reported that the Plugfest had been moved to mid-week, so that it doesn't include a Saturday or a public holiday. Registration will open in January, with a small fee as before, because the event must break even.

Peter Willis encouraged people to participate in either plugfest, whether in the UK or US.

Eckart Steffens said that there is a free plugfest at Soundlight in February, which will be announced on Soundlight's website.

8.13 Texas Plugfest

The next Plugfest in Texas will be 23-25 July 2015, in conjunction with the July meetings.

9 New business

9.1 TSP financial status

Mike Wood spoke to the group regarding the financial state of the TSP. He urged members to donate to the program, which is not self-sustaining, and never will be able to be without additional support from members.

9.2 ANSI E1.30-4 – 2010, EPI 26, Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices

Eddie Kramer moved to reaffirm the standard. The motion was seconded and will be decided by letter ballot.

9.3 E1.20 Bucket List

Peter Willis said that it needs to be revised. There was discussion of revising it now, or waiting. The consensus of the group was to begin the discussion and to work on it. There was concern that this will dilute other efforts.

Peter Kirkup moved that a task group be appointed to identify revisions needed to E1.20. The motion received a second and was approved by a show of hands.

Michael Lay appointed Peter Kirkup as the chair, with Bill Hewlett, Scot Blair, Bob Goddard, Joshua Moyerman, Maya Nigrosh, Peter Willis, Hamish Dumbreck, Kevin Loewen, Sean Sill, Eckart Steffens and Simon Newton included on the task group.

10 Other business & announcements

10.1 New product announcement

10.2 Remembering Jay Glerum

Michael Lay announced that PLASA is hosting a gathering to honor Jay Glerum on Friday, November 21st from 5pm - 6:30pm at the Westgate Las Vegas Resort & Casino (formerly the Las Vegas Hotel) in Conference Room 2. He asked that folks come and share stories and memories of Jay.

10.3 The TSP Turns 20

This year marks 20 years of the TSP. An article by Mike Garl, Karl Ruling, and Mike Wood appears in the latest issue of Protocol, which you can read online at <http://na.plasa.org/publications/protocol.html>.

10.4 Above & Beyond Awards

Michael Lay reminded the group that the nomination site is open year round at tsp.plasa.org/AboveandBeyond.

Michael Lay also announced that Bill Ellis would be receiving this year's PLASA Volunteer of the Year award during the trade show. Bill Ellis received a round of applause.

10.5 TSP sessions at LDI 2014

Michael Lay reminded the group that hyperlinks to the full schedule of TSP-related 90-minute sessions, as well as the schedule for Standards on the Stage at PLASA booth 1469, are available at the bottom of the TSP homepage, tsp.plasa.org.

10.6 PLASA DMX512/RDM Educational Kit - "Train the Trainer" Session

Bill Ellis addressed the group. He is still implementing notes from the meeting in July into the PowerPoint. The graphics have been updated, and only a case for the gear remains on the list to acquire.

10.7 Nominations for working group leadership

See FinalResults.pdf, emailed to the working group on 18 August 2014. Michael Lay remains co-chair for an additional two-year term.

Michael Lay thanked the group for voting him into the additional two-year term.

10.8 Geek Beat TV

The Geek Beat TV episode was published at <http://geekbeat.tv/brightening-world-cue-dmx512/> on 18 August 2014. As of 29 October 2014, it has been shared via social media 159 times.

Bill Ellis reported that the taping of the show was a lot of fun. He reported that Geek Beat has a cool facility, and that they have a lot of enthusiasm and energy.

10.9 New product announcement by Peter Willis

LabPack software has been updated and has a feature to test splitters by varying break times et cetera to give transactions that simulate a variety of real-world product. Peter Willis also announced that an RDM Conformance Tester is to be shown on the LDI show floor.

11 Next meeting

The next meeting was decided to take place on Thursday, 29 January 2015 at 12:00 EST. Webex was offered as a platform from Jason Potterf.

12 Adjournment

Ted Paget moved to adjourn. The motion was seconded. Hearing no objections, Michael Lay declared the meeting adjourned at 11:59.