

Working Group D2 Cable Systems (IEEE 525)
Meeting Notes of October 9, 2012 – Nashville, TN

Chair: Debra Longtin
Vice Chair: Steve Shelton
Secretary: Brian Farmer

Meeting called to order by the Chair, Deb Longtin at 1:00, welcoming members and guests.

Total attendance: 25; 9 Members; 2 Corresponding Members (17 rostered members); 14 Guests

Abdallah, Hanna	Member
Brown, Robert (Steve)	Guest
Buhle, Kevin	Guest
Dietzman, W. Bruce	Guest
Gaetz, Alan	Member
Gravelle, Joseph	Guest
Haahr, Charles	Guest
Lively, William	Guest
Longtin, Debra	Chair
Munn, William	Guest
Nadeau, Mike	Member
Noori, Mike	Guest

Nuckles, Kim	Guest
Patel, Pathik	Guest
Patel, Shashikant	Corresponding Member
Proios, Thomas	Guest
Randolph, John	Guest
Sharinfa, Hamid	Corresponding Member
Shelton, Steven	Vice Chair
Sosinski, James	Guest
Spiewak, Erin	Guest
Strahl, Kenneth	Member
Stamm, David	Guest
Watkins, Diane	Member
Zook, Adam	Member

1. Patent slides were shown.
2. Deb reviewed meeting notes from both the Raleigh meeting in May, 2012.
3. Reviewed the schedule. The intent is for WG review of the draft Guide in 2013 with the review completed a draft ready by the Spring 2014 meeting.
4. The main items in this revision are the addition of a large station example and adding more information on communication cables.
5. Communications Cables Task Force: Diane Watkins provided an update of the Communications Cable Task Force progress. They have had teleconference meetings. Currently debating how much cable data and selection criteria to include in the Guide.

Communications Task Force:

- Jim Bougie, Lead, Greg Luri, Ed Cenzon, Carson Day, Craig Preuss & Diane Watkins.

This task force is focusing on Sections **5 Communication Cable & 6 Fiber Optic Cable** and **Annexes D & H**. They will also review the other annexes for applicable material. Also adding information regarding terminations.

The request made of the Communications Task Force at this meeting is to provide Sections 5 & 6 in at least an outline form covering proposed information by the end of 2012. The request also is for a draft of these Communications Sections be completed to the extent possible and available for review at the Spring Pittsburgh meeting. Diane will relate these requests to the Communications Task Force.

6. Adam provided review of the status of the document and assignments received to date, as well as miscellaneous edits made to the document. The list of prior assignments was reviewed and some sections were reassigned and/or still require completion as noted below.

Section	Person	Action/Comment
4.3.1.1	Adam Zook	Adam will add a sentence noting paralleling is an option for long runs. (Completed)
4.3.3	Mike Nadeau	Review comment/draft from Steve Brown regarding cable construction. (Adam to forward to Mike) (Completed)
6.3	Adam Zook	Delete reference to Appendix C (which applies to copper conductors) (Completed)
7	Dale Fox	Provide proposed draft language based on his own comments. (Not provided)
7.6	Joe Gravelle	Segregation (See Fall 2011 meeting notes)
8.11	Adam Zook	Provide reference paper on testing
9	Deb Longtin	Check historical documents for need
Annex A Flowchart	Working Group	Agreed to move segregation (H) & redundancy (I) questions to above New Cable Raceway (E). Also consider if the re-check the conductor sizing box is needed? Should it be a Diamond? (Completed)
Annex B		Submitted prior
Annex C		Submitted prior
Annex D	Communications Team	Review/Develop (In progress)
Annex E		Submitted prior
Annex F	Dale Fox	Provide proposed text based on his own comments (Not provided)
Annex G	Shashi Patel and Carson Day	Review (Completed)
Annex H	Joe G & Brian F	Review, clarify about DC power cable (e.g. MOAS, battery leads, emergency lighting). Clarify not necessarily intended for building wiring (e.g. lighting, AC, receptacles, etc.) (Reviewed)
Annex I	Mike Nadeau	Review
Annex J	Boris Shvartsberg, Dewan Jamir	Boris general review (Completed); Dewan jamming ratio (Not Provided).

Annex K	Bill Thompson	Review (Completed)
Annex L	Bill Thompson	Review and add new paragraph regarding terminations. Boris to send Bill sample requirement. (Completed)
Annex M	Pathik Patel (Re-assigned)	Review
Annex N	Diane Watkins	Review (Completed)
Annex O		No review required
Annex P	Large Station Team	Develop (In progress)

7. Items still requiring comments and/or identified at this meeting include:

- Joe needs further guidance for Section 7.6 Segregation. Some other comments received may cover this item.
- Annex M has been re-assigned to Pathik Patel. Comments due by February 1, 2013.
- Dale Fox needs to be contacted for outstanding assignments. Need comments by February 1, 2013. Deb will contact Dale.
- Dewan Jamir needs to complete comments for Annex J – Jamming Ratio. Comments due by February 1, 2013. Deb will contact Dewan.
- Discussed the need for possible clarification of definitions for low voltage and medium voltage by the Working Group. Re: Paragraph 8.3. Also are the installation requirements in the Guide in line with other codes and standards. For instance, single layer of individual cables verses triplex in trays. Need to find the source of the current paragraph 8.3 and consider expanding for intent and content. WG to comment by February 1, 2013.
- Discussed the need for a Section 9 for Future cables. Deb will check historical documents for the intent of Section 9 for future cables. John Randolph believed this was only used as a placeholder.

8. Large Station Example: Alan G. gave a review of the Appendix P status for the large station example. Much of the text, Conduit Plan, data tables, and calculations have been significantly worked on. Some cleanup and finalization is remaining. Assignment is for the Large Station Task Force to have the final edits of the large station example completed by January 15, 2013 ready for review.

- The Large Station Single Line needs more detail to match the level of detail shown on the Small Station example.
- Diane W. will revise Appendix P Figure 4 for the Large Station SCADA diagram. Assignment preferred to be completed by January 1, 2013, but absolute by March 1, 2013.

Large Station Task Force:

- Alan Gaetz, Lead, Steve Shelton, DJ Moreau, Ken Strahl, Deb Longtin and Rad Barac.

Steve contacted Randy Clelland after the Raleigh meeting to see if he can still assist for the large station example. Randy would assist if there is something he can provide which would be practical. Steve will contact Randy to see if he would be able to do a review of Appendix P once it is ready for review.

9. All assignments are to be provided by the dates noted so they can be incorporated into the document prior to the Pittsburgh meeting.

Furnish all input to Adam Zook and copy Brian and Deb by dates noted.

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10. Deb noted document provided from DRAKA that UL will no longer certify fire resistive cables. We need to verify that there are no references related to the UL and fire resistive cables.
11. Next Meeting is at the Omni William Penn Hotel in Pittsburgh, April 28 – May 2, 2013.

Meeting Adjourned 5:00.

Meeting Notes submitted by Steve Shelton, Vice Chair.