

**MINUTES OF MEETING**  
**WORKING GROUP ON T&D OVERHEAD CONDUCTORS AND ACCESSORIES**

**DATE:** Monday February 14<sup>th</sup>, 2011  
**LOCATION:** Vdara Hotel, Las Vegas, NV  
**ROOM:** Vinoly Grand Ballroom  
**TIME:** 3:00 PM – 5:00 PM

1. There were 76 in attendance at the meeting. The attendance list is attached in Appendix A.
2. The minutes of the Working Group meeting held in Minneapolis, MN in July 2010 were approved by the WG as issued and are posted on the TP&C website:

<http://ieeetpc.org/>

3. The following presentations were given:

- i) Radial Temperature Gradients in HTLS Conductors - Dale Douglass and Bernie Clairmont
- ii) CIGRE Guide on High Temperature Low Sag Conductors – Herve Deve
- iii) Comparison of IEEE Std 1138-2009 to 1994 version for OPGW Cables – Corrine Dimnik

**Please review the TP&C website for postings of the above PowerPoint presentations**

4. Reports on WG Standards and Task Forces

- i) Std 563 **“IEEE Guide on Conductor Self-Damping Measurements”** – Neal Chapman  
Standard 563 is due for maintenance by 12/31/2012. Any members wishing to work on revising the document should let Neal or Craig know prior to the next meeting.
- iii) Std 664 **“IEEE Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors”** – Neal Chapman  
Standard 664 is due for maintenance by 12/31/2012. Any members wishing to work on revising the document should let Neal or Craig know prior to the next meeting.
- iv) Std 738 **“IEEE Standard for Calculating Current-Temperature Relationship of Bare Overhead Conductors”** – Dale Douglass  
A motion to ballot Standard 738 was approved.
- iv) Std 1283 **“Guide for Determining the Effects of High Temperature Operations on Conductors, Connectors and Accessories”** – Jerry Reding  
A motion to ballot Standard 1238 was approved.
- v) Std 1368 **“Guide for Aeolian Vibration Field Measurements of Overhead Conductors”**- Tom Alderton  
A motion to reaffirm Standard 1368 was approved.
- vi) TF on **“Practical Discussion on Aeolian Vibration on Single Conductors”** – Corrine Dimnik  
Bob Whapham has graciously decided to take over the lead on this document.

**Please review the TP&C website for postings of the above PowerPoint presentations**

6. Liaison Reports

- i) ANSI ASC C119 **“Connectors for Electric Utility Application”** – Doug Harms
- ii) CIGRE B2-AG-06 **“Mechanical Behaviour of Conductors and Fittings”** – Dave Havard
- iii) CIGRE B2-AG-04 **“Electrical Aspects of Overhead Transmission Lines”** – Dale Douglass
- iv) IEC TC11-WG09 on **Transmission Line Fittings** – Tom Alderton
- v) ASTM – Mark Lancaster

**Please review the TP&C website for postings of the above PowerPoint presentations**

7. The next meeting of this WG will be held in Detroit, MI in July 2011. Please check the TP&C website for upcoming details.

Those wishing to make an informal presentation at the next meeting, please contact Craig Pon at:

Phone: (416) 207-6741

E-mail: [craig.pon@kinectrics.com](mailto:craig.pon@kinectrics.com)

Prepared by:

Neal Chapman

Vice-Chairman - Working Group on Overhead Conductors and Accessories

**APPENDIX "A"**  
**ATTENDANCE LIST FOR WG ON OVERHEAD CONDUCTORS**  
**Las Vegas, NV - February 2011**

	<b>Name</b>	<b>Affiliation</b>	<b>E-Mail</b>
1	Gordon Baker	General Cable	<a href="mailto:gbaker@generalcable.com">gbaker@generalcable.com</a>
2	Tony Baker	K-Line Insulators	<a href="mailto:k-lineusa@k-line.net">k-lineusa@k-line.net</a>
3	Yair Berenstein	Trimble	<a href="mailto:Yair_berenstein@trimble.com">Yair_berenstein@trimble.com</a>
4	Gerhard Biedenbach	Nexans	<a href="mailto:gerhard.biedenbach@nexans.com">gerhard.biedenbach@nexans.com</a>
5	Derrick Bradstreet	Burns & McDonnell	<a href="mailto:dbradstreet@burnsmcd.com">dbradstreet@burnsmcd.com</a>
6	Beute Brahe	NL	<a href="mailto:bbr@nl.dk">bbr@nl.dk</a>
7	Bill Calhoun	WLC Engineering	<a href="mailto:wcalhoun@pdnt.com">wcalhoun@pdnt.com</a>
8	Tony Carreira	K-Line Insulators	<a href="mailto:carreira@k-line.net">carreira@k-line.net</a>
9	Steve Casteel	Burns & McDonnell	<a href="mailto:SCASTEEL@BURNSMCD.COM">SCASTEEL@BURNSMCD.COM</a>
10	John Chan	EPRI	<a href="mailto:jchan@epri.com">jchan@epri.com</a>
11	Neal Chapman	LS Power	<a href="mailto:nchapman@lspower.com">nchapman@lspower.com</a>
12	Rob Christman	Florida Power & Light	<a href="mailto:Rob_christman@fpl.com">Rob_christman@fpl.com</a>
13	Allen Clapp	Clapp Research Assoc.	<a href="mailto:alc@clappresearch.com">alc@clappresearch.com</a>
14	Ross Clark	WAPA	<a href="mailto:aclark@wapa.gov">aclark@wapa.gov</a>
15	Randy Cole	K-Line Insulators	<a href="mailto:Rcole@k-line.net">Rcole@k-line.net</a>
16	Richard Collins	Commonwealth Associates, Inc.	<a href="mailto:rcollins@cai-engr.com">rcollins@cai-engr.com</a>
17	Len Consalvo	Consultant	<a href="mailto:l.consalvo@ieee.org">l.consalvo@ieee.org</a>
18	Lena Cordell	Altalink	<a href="mailto:lena.ordell@altalink.ca">lena.ordell@altalink.ca</a>
19	Len Custer	Bonneville Power Administration	<a href="mailto:llecuster@bpa.gov">llecuster@bpa.gov</a>
20	Glenn Davidson	Power Engineers	<a href="mailto:gdaavidson@powereng.com">gdaavidson@powereng.com</a>
21	Cody Davis	General Cable	<a href="mailto:cdavis@generalcable.com">cdavis@generalcable.com</a>
22	Herve Deve	3M	<a href="mailto:hedeve@mmm.com">hedeve@mmm.com</a>
23	Gary Di Troia	FCI	<a href="mailto:gary.ditroia@fci.com">gary.ditroia@fci.com</a>
24	Corrine Dimnik	Kinectrics, Inc.	<a href="mailto:corrine.dimnik@kinectrics.com">corrine.dimnik@kinectrics.com</a>
25	Seydou Diop	Hubbell Power Systems	<a href="mailto:sdiop@hps.hubbell.com">sdiop@hps.hubbell.com</a>
26	Doug Dodson	Santee Cooper	<a href="mailto:dldodson@santeecooper.com">dldodson@santeecooper.com</a>
27	Dale Douglass	Power Delivery Consultants	<a href="mailto:da.douglass@ieee.org">da.douglass@ieee.org</a>
28	Chris Flaherty	TVG	<a href="mailto:cjan66@yahoo.com">cjan66@yahoo.com</a>
29	Bruce Freimark	AEP	<a href="mailto:Bfreimark@aep.com">Bfreimark@aep.com</a>
30	Waymon Goch	Classic Connectors	<a href="mailto:wgoch@classicconnectors.com">wgoch@classicconnectors.com</a>
31	Tip Goodwin	Oncor	<a href="mailto:tip.goodwin@oncor.com">tip.goodwin@oncor.com</a>
32	Matthew Grey	National Grid	<a href="mailto:matthew.grey@uk.ngrid.com">matthew.grey@uk.ngrid.com</a>
33	Tom Grisham	Griscut, LTD	<a href="mailto:griscut@att.net">griscut@att.net</a>
34	Douglas Harms	Center Point Energy	<a href="mailto:Douglas.harms@centerpointenergy.com">Douglas.harms@centerpointenergy.com</a>
35	Dave Havard	Havard Engineering Inc.	<a href="mailto:dhavard@rogers.com">dhavard@rogers.com</a>
36	Jennifer Havel	BPA	<a href="mailto:jlhavel@bpa.gov">jlhavel@bpa.gov</a>
37	Randy Hopkins	Pacific Gas & Electric	<a href="mailto:rlha@pge.com">rlha@pge.com</a>
38	Arjan S.	Sargent and Lundy	<a href="mailto:arjan.s.Jaghani@sargentlundy.com">arjan.s.Jaghani@sargentlundy.com</a>

	Jaghani		
39	Mark Jurgemeyer	Stanley Consultants, Inc.	<a href="mailto:jurgemeyermark@stanleygroup.com">jurgemeyermark@stanleygroup.com</a>
40	Milind Khot	SNC Lavalin	<a href="mailto:milind.khot@snclavalin.com">milind.khot@snclavalin.com</a>
41	Robert Kluge	American Transmission Company	<a href="mailto:rkluge@atcllc.com">rkluge@atcllc.com</a>
42	Donald Laird	SCE	<a href="mailto:donald.laird@sce.com">donald.laird@sce.com</a>
43	Mark Lancaster	Southwire Co.	<a href="mailto:mark_lancaster@southwire.com">mark_lancaster@southwire.com</a>
44	Lan-ping Ling	Preformed Line Products	<a href="mailto:lling@preformed.com">lling@preformed.com</a>
45	Otto Lynch	Power Line Systems	<a href="mailto:Otto@powline.com">Otto@powline.com</a>
46	Ray McCoy	AFL	<a href="mailto:ray.mccoy@afltele.com">ray.mccoy@afltele.com</a>
47	Michael Miller	SAE Towers	<a href="mailto:michael.miller@saetowers.com">michael.miller@saetowers.com</a>
48	Rob Mohr	TVG/Nexans	<a href="mailto:rob.mohr@cat-1.com">rob.mohr@cat-1.com</a>
49	Kim Nuckles	Southwire Co.	<a href="mailto:kim_nuckles@southwire.com">kim_nuckles@southwire.com</a>
50	Juan Carlos Nuno	BPA	<a href="mailto:jcnuno@bpa.gov">jcnuno@bpa.gov</a>
51	John Olenik	Preformed Line Products	<a href="mailto:jolenik@preformed.com">jolenik@preformed.com</a>
52	Carl Orde	Utilitech Consulting	<a href="mailto:corde@telus.net">corde@telus.net</a>
53	Mohammad Pasha	United Illuminating	<a href="mailto:mohammad.pasha@uinet.com">mohammad.pasha@uinet.com</a>
54	Chad Pederson	Ulteng Engineers	<a href="mailto:chad.pederson@ulteng.com">chad.pederson@ulteng.com</a>
55	Zolt Peter	Kinectrics, Inc.	<a href="mailto:zsolt.peter@kinectrics.com">zsolt.peter@kinectrics.com</a>
56	Craig Pon	Kinectrics, Inc.	<a href="mailto:craig.pon@kinectrics.com">craig.pon@kinectrics.com</a>
57	Jerry Reding	JLR Engineering	<a href="mailto:jlr.eng.llc@q.com">jlr.eng.llc@q.com</a>
58	Stephen Roberts	Southern Company	<a href="mailto:Serobert@southernco.com">Serobert@southernco.com</a>
59	Josh Ross	WAPA	<a href="mailto:jross@wapa.gov">jross@wapa.gov</a>
60	Jack Roughan	Dulhunty	<a href="mailto:jack@dulhunty.com">jack@dulhunty.com</a>
61	Bill Ruscielli	Power Engineers	<a href="mailto:bill.ruscielli@powereng.com">bill.ruscielli@powereng.com</a>
62	Mark Ryan	3M	<a href="mailto:mryan@mmm.com">mryan@mmm.com</a>
63	Robert Schaerer	Power Engineers	<a href="mailto:robert.schaerer@powereng.com">robert.schaerer@powereng.com</a>
64	David Shaffner	Pacific Gas & Electric	<a href="mailto:DHS3@PGE.COM">DHS3@PGE.COM</a>
65	Ross Smith	Sargent & Lundy	<a href="mailto:ross.smith@sargentlundy.com">ross.smith@sargentlundy.com</a>
66	Brent Smolarek	Pike Energy Solutions	<a href="mailto:bsmolarek@pike.com">bsmolarek@pike.com</a>
67	Paul Springer	Southwire Co.	<a href="mailto:paul_springer@southwire.com">paul_springer@southwire.com</a>
68	Forrester Steven	Sherman & Reilly	<a href="mailto:stevenf@sherman-reilly.com">stevenf@sherman-reilly.com</a>
69	Andy Stewart	EDM	<a href="mailto:Astewart@edmlink.com">Astewart@edmlink.com</a>
70	Kathy Tse	Altalink	<a href="mailto:kathy.tse@altalink.ca">kathy.tse@altalink.ca</a>
71	Jack Varner	GA Power	<a href="mailto:varnerjack@southernco.com">varnerjack@southernco.com</a>
72	Sidney Veda	Nexans	<a href="mailto:sidney.meda@nexans.com">sidney.meda@nexans.com</a>
73	Peter Waltz	Burndy	<a href="mailto:pwaltz@burndy.com">pwaltz@burndy.com</a>
74	Nathan Washburn	Consumers Energy	<a href="mailto:njwashburn@cmsenergy.com">njwashburn@cmsenergy.com</a>
75	Kasey Woods	Ameren	<a href="mailto:kwoods@ameren.com">kwoods@ameren.com</a>
76	Nancy Zhu	American Electric Power	<a href="mailto:nzhu@aep.com">nzhu@aep.com</a>