

Meeting Notes of WG D5
Oct. 7, 2013 – Nashville, TN

- Welcome
 - Don Wengerter, Chairman, opened the meeting with introductions and declarations of affiliation. There were 20 members and 11 guests at this meeting.
- Obligatory Statement
 - Brian Cain read the latest revision of the obligatory document from IEEE regarding patents in standards and advised the full IEEE Patent Slide set is available on the Substations Committee main web page.
- Pittsburgh meeting notes
 - Brian Cain displayed the meeting notes from the April, 2013 working group meeting in Pittsburgh, PA.
 - No questions were raised regarding the notes.
- Discussion of 998 publication
 - It was noted that during the Spring 2014 meeting in Portland, OR, the Working Group will discuss opening a PAR in 2014 for next revision.
 - No questions were raised regarding the planned PAR.
- Tutorial in Portland, OR.
 - The next committee meeting will take place in Portland, Oregon.
 - Brian Cain would like to have another IEEE 998 tutorial in Portland.
 - Dr. Sakis Meliopoulos and Dr. Franco D'Alessandro were not present to discuss their availability for a future tutorial.
 - The question was raised as to who would substitute for Sakis and Franco, and it was concluded that volunteers would be needed.
 - Bob Nowell noted that Sakis is likely to attend the Portland meeting, but Franco will likely not.
 - Brian Cain volunteered to lead if Sakis or Franco do not.
 - Brian will send an outline and agenda to the Working Group if a tutorial is will take place.
- Opened floor to comments:
 - Lane Garrett noted that the document has been “hijacked” with the arguments about which methods are valid. He noted that:
 - We should not be trying to prevent building strikes or fires.
 - Most faults occur from external strikes, and that the purpose of lightning protection is to minimize outages.
 - The document has become too bloated, and the next revision of should focus on creating a more practicable guide.
 - Brian Cain responded that the group does not want to recommend one specific method.
 - Lane would like it noted in the document that introducing additional protection may also increase probability of outages, (i.e. shield wire falling on equipment).
 - Brian responded that it was in the tutorial not to string shield wire across bus, but we could think about adding it to document.

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- Bob Nowell noted the original guide mentioned this - but the wording was edited it out in a later revision.
- Steve Greenfield mentioned that the scope of the document is to present a variety of shielding methods.
- Lane would like to see wording added about the consequences of additional shielding increasing the probability of failures, and what's acceptable.
- It was mentioned that these issues will be addressed in the Portland meeting.

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Annex 1 – Attendees

First Name	Last Name	Company	Role
Thomas	Barnes	Self Employed	Member
Dale	Boling	ERICO, Inc.	Guest
David	Garrett	Commonwealth Associates Inc	Member
Steve	Greenfield	Erico, Inc.	Member
Martin	Havelka	Erico, Inc.	Member
Richard	Keil	Commonwealth Associates Inc.	Member
Dave	Kelley	Salt River Project	Member
Robert	Nowell	Commonwealth Associates, Inc.	Member
Hamid	Sharifnia	PacifiCorp	Member
Curtis	Stidham	TE Connectivity	Member
Brian	Story	Entergy	Member
Don	Wengerter	Wisconsin Public Service	Vice-Chair
Ryan	Stargel	Tennessee Valley Authority	Member
Bryan	Beske	American Transmission Company	Member
Aaron	Wilson	POWER Engineers, Inc.	Guest
William	Munn	Southern Company Services Transmission	Guest
Mark	Morgan	East Coast Lightning Equipment, Inc.	Member
David	Stamm	High Energy, inc.	Secretary
Shashikant	Patel	Public Service Electric and Gas Comp	Member
Cary	Mans	thermOweld	Member
Erin	Spiewak	IEEE Standards Activities	Guest
Yaowu	Zhang	Powell Industries, Inc.	Member
Cris	Kramschuster	American Transmission Company	Member
Reginaldo	Maniego	Duke Energy	Member
Matthew	Vacha	FirstEnergy Corp	Guest
MILOMIR	GAVRILOVIC	HYDRO ONE INC.	Guest
Tam	Vo	American Transmission Company	Guest
Nathaniel	Postma	American Transmission Company	Guest
Daniel	Wray	Middle TN Electric Membership Corp.	Guest
Peter	Baxter	TRC Solutions	Guest
Thomas	Streeter	ERICO	Guest