

**IEEE Distribution Subcommittee
Draft Meeting Minutes
June 27, 2007
Tampa, Florida**

The meeting convened at 9:00 a.m. with 31 members and 5 guests present. The minutes from January 2007 were read and approved.

ADMINISTRATIVE

Chair Cheri Warren called the IEEE Distribution Subcommittee meeting to order. The notes from our January meeting needed to be amended and so were not approved. Approval of these notes will be done at the January 2008 meeting.

CHAIR REPORT – Cheri Warren, *Distribution Subcommittee*

The group last met in Orlando in January 2007. Since that time we have held many interim meetings for various Working Groups. The Working Group on Publicly and Privately Accessible Locations is making progress as well as the new Task Force on Weather Normalization.

The Working Group on Publicly and Privately Accessible Locations had numerous web based meetings and they intend to have at least two of these a year going forward.

The Group discussed our feeling about splitting into a Distribution only Committee. Despite the meeting locations not being ideal (the 2008 WTM will be held in San Antonio), the Group felt that we should stay in our current configuration.

The Subcommittee was polled regarding “Outage Practices” for PGE. Thanks for your help in answering their short survey.

VICE CHAIR REPORT – John McDaniel, *Distribution Subcommittee*

Between January 2007 and June 2007, the subcommittee has been assigned a total of 47 transactions grade papers to review. Of these, 25 were new papers and 22 were revisions. This is up significantly from the same period last year. The web site for the process is located at: <http://tpwrd-ieee.manuscriptcentral.com/> .

There has been a decline in the number of volunteers to review the new papers. There are several papers that I have received in the past few months that there have been no volunteers to review. I know that we are all very busy, but if I do not get volunteers, or enough volunteers, I may have to start assign reviewers to papers. I realize that this is not an optimal solution, but the papers do need to be reviewed.

Periodically I will send out a list of papers that require review by the subcommittee to the members of the subcommittee. I’ll ask for volunteers to review the papers. After someone volunteers I will assign him or her to review the paper(s) in the system. This will automatically generate an email to the reviewer giving them the web site’s address. The reviewer then will log into the system and review the paper(s).

If you do volunteer to review a paper, please make every effort to complete the review within a month. IEEE/PES has the goal of completing reviews within 90 days. As the paper may have been received up to a month before I ask for volunteers, those that do volunteer to review the paper should make every effort to review it in a timely fashion. If there are a sufficient number of reviews returned and the paper is approaching the 90-day limit, I will return the review with those that have been received.

Some recent IEEE publications have had some good articles on the peer review process. One was contained in the Institute Online and can be found at the following url:

http://www.theinstitute.ieee.org/portal/site/tionline/menuitem.130a3558587d56e8fb2275875bac26c8/index.jsp?&pName=institute_level1_article&TheCat=2201&article=tionline/legacy/inst2007/mar2007/bestpractice.xml&

The second one was a little more specific to the PES and was in March's Power & Energy magazine and can be found at:

<http://www.ieee.org/organizations/pes/public/2007/mar/index.html>

Papers of archival value should

- present new methods of analysis or experimentation
- present a new process, design, or technology
- discuss and provide fresh thoughts on the effects of evolving public and environmental policies on the technologies we address and operate.

Papers to be published in the transactions must be

- written in clear and understandable language
- of interest to the reader of our journals
- of long-term value for the profession because of the above attributes.

Such papers are not those that

- plagiarize or regurgitate old and well-proven thoughts
- represent a minor variant of an old thought or analysis
- are written exposing the same or similar ideas in other publications
- have copied others' ideas without proper acknowledgment
- are poorly written or written in an obscure manner.

Please make sure that your contact information is up-to-date on the membership list, especially your email address. Working Group Chairs, please make sure your membership list are up-to-date and if there are any new members, please send me their names and email addresses. This will help me keep the reviewer email list current.

T&D ADCOM

- 1) John McDonald and Wanda Reder addressed the T&D AdCom group. They expressed their desire for open communication with them and the Board. They are open to hear what our needs are and hope we will express them.
 - A) ExpertNow is a series of 1 hour of on-line courses on various subjects. The cost to an end-user is \$69.95 per module. Company based pricing is available. The cost to develop is about \$20K per module. The two available are cyber security and PQ. Next planned module is on DG. Need more subjects and material.
 - B) Power and Engineering Library – somewhere about \$3k/yr for one level. Allows a certain amount of downloads per year for a whole company.
 - C) We need more editorial support for standards. PES writes about 50% if all IEEE standards yet SA gets all the revenue. We think we should get more support in editing the documents from them. John & Wanda are working on it.
 - D) They are seriously working on the web based meetings for our membership! Yeah!
 - E) The President Elect runs the Long Range Planning Committee.
 - i) One of their key efforts is an online job board. It will help students find jobs and employers find students. Set to be available in August at pes-careers.org
 - ii) IEEE is taking leadership on the Aging Workforce Issues – focus on image
 - iii) They did a survey of interests within our membership. Big shift between students and other members desires.
 - iv) Grainger Fund – donates money to bring students to events and will match industry \$
 - v) They plan to be MUCH more proactive in training for non-power engineers. This will bring other groups to us. Taking over AEI training and offering course.
 - (1) 3 courses in Denver in Oct – Basic courses
 - (2) 3 courses in Virginia (NRECA) in Nov – New Technologies
 - (3) Moving to webinars
 - (4) Looking for ways to get young folks engaged.
 - F) Be sure to review the Leader's Corner for updates in Power & Energy
 - G) We plan to rewrite the Color Books and PES will be helping IAS. We will need time on the Distribution Subcommittee Agenda at the next Winter Technical meeting to discuss this. Stay tuned for more. Would like to create courses and give them in China, India, South America, US
- 2) AdCom Start
 - A) Technical Council met on Tuesday June 26. The Chair and Vice Chair of the T&D Committee attend this meeting. This group is a liaison with the governing board.
 - i) Folks want IEC/ANSI to be branded together
 - ii) Described how one becomes a Fellow. About 1/10 of 1% of members can become Fellow each year. This year 268 Fellows across all societies. Worldwide Fellows will pass US Fellows soon. There are issues with the process. If a nominator makes an error on the form, there is no feedback and the person gets rejected. Strange! Must be submitted by Q1.
 - iii) Magazine articles take about 5 months of rigorous review. Newsletter articles can be put in very quickly! Use this forum whenever we want.
 - B) Wind Coordinating Council was formed.

- i) They need to perform close coordination with T&D subcommittees. Bob Saint can give us more details. They are looking for papers and panel sessions. They see sharing of working group between us and Wind. Younger engineers are really interested in this area.
- C) Awards
 - i) Tom Gentile was given a service award for his chairmanship of the PQ Subcommittee – Congrats Tom!
 - ii) Cheri Warren was given the IEEE PES Excellence in Power Distribution Award
 - iii) PLEASE nominate your worthy candidates – there are lots of awards to be given
- D) Papers and Panel Sessions
 - i) We are getting swamped with paper/panel sessions so they plan to get pickier. We are so large now that we can only meet in cities with convention centers (it's our concurrent room needs).
 - ii) They plan to do “quick hit” panel sessions from 11-12 on Monday's.
 - iii) Super Sessions Monday and Tuesday each meeting. Hoping to have a cross boarder approach by enlisting multiple committees to participate. Emerging Technologies is one that is coming up.
 - iv) Panel session information is due to the TCPC (Bill Chisholm) by Sept 14 for T&D and by Dec 17 for GM. We gave Bill the Distribution Subcommittee's panel information at this meeting.
- E) Meeting locations
 - i) WTM Jan 7-10, 2008 is in San Antonio – Power System Relaying is coming. There was BIG debate about the week because other subcommittees are having trouble generating interest that early in the year.
(1) WE NEED TO GENERATE OUR SCHEDULE FOR THIS MEETING IN ADVANCE SO IT CAN BE POSTED.
 - ii) Chicago – April 2008 T&D
 - iii) Pittsburgh – July 2008
- F) The procedures manual has been updated and is on our website.
- G) Intelligent Grid Subcommittee was formed.
 - i) Mack Grady is Chair, Don Vondolo VC, and Erich Gunter is secretary
 - ii) T&D Technologies forum for exchange of information. They do not plan to take over any group but to facilitate communications.
 - iii) They will focus on Grid Modernization and define terminology as a first step.
 - iv) EPRI will provide baseline for the guides they want to write.
 - v) They must schedule well in order to be able to work with all their constituent groups. DA is affected with this one.
 - vi) They plan to set up Sharepoint sites for sharing information and better collaboration.
 - vii) Intelligrid information is public domain. (<http://www.intelligrid.info/>)
- H) Officer Rotations – T&D feels that officers cannot serve a second term.
- I) Standards Coordinating Committee – IEEE SA Staff presented information on further changes to the standards process (to be web based). IEEE SA now controls the process instead of the Committees and SA is trying to be responsive. If there are any problems

with IEEE SA, please bring them up to the T&D Standards Coordinator (Karl Mortensen at this time).

WORKING GROUP REPORTS

DISTRIBUTION RELIABILITY (formerly SYSTEM DESIGN) – Cheri Warren, Chair

This Working Group meeting began at 2:30PM on Tuesday June 27th, with the Task Force on Reliability Indices. All other Task Forces met on Wednesday morning. More detailed notes from these meetings are available from this Working Group.

Task Force on Reliability Indices – Rodney Robinson

Rodney Robinson opened the Task Force meeting and informed the TF that the planned presentation on the Real-time Usages of the Reliability data have been rescheduled to the April 2008 Chicago T&D Expo. Further, Bill Chisholm identified the requirement to provide an abstract to be able to present at the T&D Expo and the abstract are due by September 14th. At this time, Keith Frost, Heide Caswell and Chanh Viglione, National Grid are planning to make presentations.

The current version of the PAR Scope and Purpose were reviewed with no changes. Rodney will work with IEEE and Cheri Warren, the WG Chair, to submit the PAR information prior to the January 2008 Technical Sessions.

Val Werner briefly discussed the TF activities on the development of the first two white papers (sections 1 and 2) and the current outline for section 3. Further Val lead a review of the TF attendees of the full section 3 write up. It was noted that with the need for the disclaimer on page first page of the section 3, it is most likely that the TF will need to make the information in this as an Annex. Also during the future clean up for the entire Guide the use of the terms “interruptions” and “outages” will be reviewed for consistency. Mani discussed the need to add, where possible, references to other standards, approved papers and presentations to demonstrate peer reviewed information. Further, Cheri informed the group that we want to make sure that we only include the information that the TF members endorse and agree with the usages included in the Guide.

After several minutes discussing the examples provided in 3.2.1, it was agreed that more background information and explanation of the interpretation of the results for each example (chart, graph or graphic) should be provided so that the readers can gain a full understanding of the benefits of the examples. This information should explain the data required and how the example is generated.

Task Force on Reliability Indices P1366 - Cheri Warren

Since the Guide will be submitted for reaffirmation in 2008, the PAR did not have to be resubmitted. It was noted that if the WG chooses to make significant changes to the Guide at this time, the PAR would have to be resubmitted and it would not follow the reaffirmation

process. It was agreed that the WG will not pursue major changes at this time and will continue with reaffirmation in 2008.

Members reported on regulatory updates. More state PUCs now require use of IEEE 1366-2003 for segmenting reliability data: Rhode Island, Ohio, Georgia, Wyoming, Montana (for the largest utilities) and Washington. There is an effort underway to have Rural Utility Service (RUS) members use IEEE 1366 methodology by 2009. Other states (Wisconsin, California, Pennsylvania, Massachusetts, Oregon) continue to define a major day as 10-15% of customers without power over 24 hours. BC Hydro is working with their PUC to help them understand the need to consider the costs of improving reliability for urban and rural areas.

Poorani Ramachandran presented this year's survey results that included responses from 95 utilities data sets serving over 71 million customers in the US and Canada. Seventy-five of these utilities also were included in the 2005 results. The overall results indicated that the SAIDI since 2002 has increased 17% on average, the SAIFI has increased 7% and CAIDI has increased 10%. The group discussed why the statistics have increased since 2002 and several causes were suggested, such as implementation of new OMS systems or specific key causes.

A small team has held web meetings to discuss the possibility of: excluding catastrophic event days from the calculation of the T_{MED} threshold; using of robust estimation; using box and whisker plots. A catastrophic event was described as an event so far beyond a major event that it changes the resulting T_{MED} if it is pulled out. Inclusion of the SAIDI minutes for catastrophic event days in the T_{MED} calculation increased the threshold by double, triple and even more.

In their initial analysis they used an exclusion threshold of 10 times the normal T_{MED} for the day. In the case of hurricane Ivan, one utility took 10 days to restore all customers. Their T_{MED} doubled as a result of including these days in the T_{MED} calculation. Similar and even higher increases in T_{MED} resulted from the 2005 Katrina and Dennis hurricanes.

The group's initial proposal was the following procedure for catastrophic events in the guide:

- 1) Catastrophic events day = some number X times the T_{MED}
- 2) Replace the SAIDI/SAIFI for these days w/the average SAIDI/SAIFI for the utility
- 3) For future T_{MED} calculations, use the average days in place of the catastrophic event days

There remains a concern that we are excluding too much when we do not include all days in the T_{MED} because we are not reflecting what really is happening at the utility and the resulting SAIFI/SAIDI trends. Further, these outlying days do not really affect the results of the indices over the years. It was noted that a particular utility's daily SAIDI results may not be a lognormal profile and we should use the past 10 years of data to better model the situation and calculate the T_{MED} . Daily SAIDI are random numbers and the reliability threshold for major events is based on identifying the standard deviation and mean of the data set. Hurricane samples tend to skew the standard deviation and means and it becomes more of estimating the mean. However, the

Robust Estimation methodology is resistant to skewing caused by these outlying days. We need to consider this method by this group.

The IEEE 1366-2003 is coming up for revision in 2008. It has been decided to submit the guide with only minor changes for reaffirmation in 2008. Any major changes to the guide will be included in the next 5-year review cycle.

Task Force on Weather Normalization – Tom Short

This TF is setting up a panel session for the summer PES meeting. The focus of the panel session will be to get everyone started thinking the issues associated with performing weather normalization. Attendees suggested that we need to consider the fact that we may not be experiencing the cooling cycles at nights as we did in the past. It was also recommended that we look at the daily lightning and wind for a given area. This report was submitted by Mark Thatcher.

Task Force on Duration Indices – Joe Viglietta

Joe presented the results of discussions by the TF thus far. The TF proposed the possible inclusion of the following duration related indices:

SAIDIET – average total outage minutes beyond a threshold per system customer

CELI – number of Customers Experiencing, at least, one Long Interruption (threshold of ‘long’ to be chosen)

CEHTID – number of Customers Experiencing High Total Interruption Duration (threshold of ‘high’ to be chosen)

A few of the attendees’ companies current track the CELI number and even have goals for them. Further it was noted that CELI is somewhat a customer irritation factor. It was agreed that the CELI customer count should be calculated using the distinct customer count and total number of customer interruptions separately.

Lee Taylor noted that he has used CEMI for years and has found that their customer satisfaction is flat between two and six hours of interruption.

Lee Taylor agreed to head up a panel session to debate each of the proposed duration indices. Roy Billington stated that they have already surveyed whether companies can calculate these indices and he will provide Cheri with the results.

Task Force on Reliability Design – Charles Perry

Charles Perry discussed that the TF has set up a panel session for the T&D Show to present new and unique design practices by the utilities.

After much discussion of the purpose of this TF, it was agreed to have this group get together at the IEEE PES meeting preceding the T&D Show to get ideas and presenters for a panel session on design issues.

It was Cheri Warren and John McDaniel's understanding that the only requirement to make a presentation at the T&D Show is to submit an abstract (but full papers are encouraged) on the presentation which is due this September 14th for the Show in April 2008.

The following individuals agreed to make presentations at the Chicago 2008 T&D Show on the topics listed:

Richard Brown	Topological Design or Impact of Lack of fears
Jim Burke	Coordination Practices
Heide Caswell	Indices to Improve Reliability
Jim Bouford	Spacer Cables
Lee Taylor	Construction Quality Assurance

Charles Perry will coordinate this panel session and the presenters' abstract submittal.

SWITCHING AND OVERCURRENT PROTECTION – Charlie Williams, Chair

Charlie Williams will draft the Scope and Purpose for the PAR for the Distribution Overcurrent Protection Guide for review at our next meeting. A draft outline of the Distribution Overcurrent Protection Guide was revised and volunteers agreed to develop a draft of the text for the following sections by the end of November 2007: Fault Causes and Mechanisms – Charlie Williams & Lee Taylor, Fault Analysis and Short Circuit Calculations - Mike Pehosh, Overcurrent Protection Equipment – John Banting, Overcurrent Protection Schemes – Jim Burke, Feeder Designs – Betty Tobin, Reliability / Economics – Rodney Robinson, Val Werner, & Lee Taylor, Industry Standards and Guides, Automation – George Simard, and DG Interconnection – Bob Saint.

Potential conflicts were identified with IEEE PC37.230/D6.0, "Draft Guide for Protective Relay Applications to Distribution Lines", being developed by the Power Systems Relay Committee. "The scope of this Guide is to discuss the application and coordination of protection for radial power-system distribution lines. It will include the descriptions of the fundamentals, line configurations and schemes. In addition to these, the scope will include identification of problems with the methods used in distribution line protection and the solutions for those problems." Charlie Williams will contact Phil Waudby (Chair) of this PSRC WG to establish a liaison and resolve any overlap issues with our intended scope.

The Network Tutorial is planned for the IEEE PES T&D Meeting in Chicago in April 2008.

DISTRIBUTED AUTOMATION – Session chaired by Georges Simard (Doug Staszkesky, Chair unable to attend due to brain cancer surgery)

The Distribution Automation tutorial and the Panel session on "Economic Justification of Distribution Automation" scheduled by the DA WG in previous meeting, were held at the IEEE PES general meeting in Tampa. There were about 25 persons at the tutorial and around 15 at the panel session. The comments from participants were very good on both events.

The working group reviewed the preparation of one Panel session for the upcoming T&D conference in Chicago and two for the next IEEE/PES meeting in Pittsburgh. We shall also try to have a panel on DSM and AMI for the T&D Conference.

The Tech watch section created on the Distribution Automation web site will be updated from the Chicago T&D Conference to come.

The group also reviewed the current DA Projects and Research Initiatives for Coordination and the upcoming DA related conferences.

Three excellent technical presentations were made within the WG

- Telecommunication for DA application - Frances Cleveland, Xanthus
- French Distribution Automation and control roadmap - Olivier Huet. EDF
- Accurate Fault location applications – Mark McGranaghan, EPRI/Georges Simard, Hydro-Québec

We planned to meet at the general IEEE/PES technical meeting in San Antonio in January 2008.

DISTRIBUTED RESOURCES INTEGRATION – Bob Saint, Chair

The group is charged with writing an Annex to IEEE 1547.2 (Application Guide to IEEE 1547) on System Impact Studies for Distributed Generation Interconnection. A draft of this annex was reviewed and assignments made for several sections during the meeting. Because of the schedule of the 1547.2 guide going to ballot, inputs are due by July 16, 2007.

The working group paper, **Summary of Distributed Resources Impact on Power Delivery Systems**, has been approved for publication in the transactions early next year.

LIGHTNING PERFORMANCE OF DISTRIBUTION LINES – John McDaniel, Chair

This standard on improving the lightning performance of distribution lines is targeted for revision by late 2008 to be ready for ballot. Sections on calculations of induced overvoltage and insulation strength will be revised. A number of comments on the difficulty and accessibility of conference papers listed in the guide have been received. Consensus was that journal papers, and those exceptional conference papers accepted on the basis of full paper review, should form the basis of the revised bibliography.

Some recent work targeted at the calculation of induced overvoltage was discussed. The continued use of the IEEE peak-amplitude distribution is endorsed for this and the introduction of the rise-time distribution (correlated with peak current) is recommended. With regard to shielding models, updates to leader-progression model are recommended.

The Rusck model for conductor above perfectly conducting ground with 2- μ s ramp wave forms the basis of induced overvoltage, with and without shieldwire (overhead groundwire or parallel neutral). A more complex approach is proposed using a return stroke electromagnetic field

illumination model, a coupling model (Agrawal) incorporating lossy ground. Ground resistivity becomes an input parameter to the model.

VOLTAGES IN PRIVATELY AND PUBLICLY ACCESSIBLE LOCATIONS – Chuck DeNardo, Chair

The Working Group on Voltages at Publicly and Privately Accessible Locations met from 1:00 p.m. to 4:00 p.m. on Monday June 25th. Approximately 45 people were present. Following introductions and approval of the minutes from the two previous meetings (Orlando & Web), the group discussed and voted to accept, with minor modification, the Working Group Policies and Procedures that had been introduced at the Orlando meeting. In keeping with the group's desire to have timely and informative presentations in conjunction with working meetings, Power Survey Company and Con Ed provided information on the mobile electric field detection equipment presently in use in New York and other cities. This presentation also included information regarding the number and types of energized equipment discovered, and lessons learned from their efforts to date. The remainder of the meeting was devoted to a group discussion of the draft outline that had been placed before the group during a web meeting in May. After a few modifications to the draft there appeared to be general acceptance for the outlined approach and solicitation of volunteers will now begin. Copies of the approved meeting minutes, the accepted Policies and Procedures, the PSC/Con Ed presentation, and the draft outline will be placed on the WG's web site.

LIAISON REPORTS

Insulated Conductors – John Banting

The three-phase Guide (P1610) for faulted circuit indicators (FCI) was successfully balloted. There are a couple of negative ballots that are being resolved. There will be a complete rewrite of the single phase Guide (P495).

Power System Relay Committee/Broadband on Power Lines – John Banting

The Committee is working with IEE to get the Guide into correct IEEE format and discussion is still ongoing. P1675 is the Guide for hardware issues related to BPL and P1775 is the Guide for software ones. In order to cast a ballot on these, you must be a member of the Standards Committee and check the PSCC option on the website. John will send the documents out again, forwarding them to Betty Tobin for distribution to this Subcommittee's members.

BPL FCC Update – Jim Burke

On Monday, July 2, the FCC filed its reply brief with the US Court of Appeals for the District of Columbia Circuit. The FCC attempted to rebut the ARRL's challenge to the FCC's Broadband over Power Line (BPL) rules enacted in late 2004 and affirmed by the agency in 2006. According to ARRL General Counsel Chris Imlay, W3KD, "The FCC's brief does not accurately describe ARRL's arguments concerning harmful interference."

Given what is in essence a 100 percent probability of interference from BPL systems to fixed and

mobile HF facilities at significant distances from power lines, Imlay said Section 301 of the Communications Act does not allow unlicensed BPL systems to operate in the HF bands. "Basically, Section 301 says you cannot operate a radio frequency emitting device without a license. The legislative purpose of Section 301 is clearly to avoid interference. FCC's Part 15 rules have assumed that certain very low power devices and systems can operate without predictable interference, thus allowing them to operate without a license, notwithstanding Section 301. But with BPL, the FCC has ignored conclusive record evidence which shows that there will be, and in fact our experience conclusively demonstrates, that BPL causes severe interference to licensed services," Imlay said.

Imlay said the ARRL has asked the Court to order the FCC to "rethink the rules governing BPL and for the first time to take into account the evidence on the record concerning harmful interference to Amateur Radio." ARRL's reply brief is due for filing with the Court July 28, 2007. There is no date set yet for oral argument before the three-judge panel in Washington, DC.

Surge Protective Devices – Reigh Walling

The MOV arrestor application Guide is overdue. The next update will include grounding issues and Distributed Generation issues related to surge protection.

SCC 21 – Bob Saint

The next meeting of the 1547 series of working groups is August 7-10 in Las Vegas

- P1547.2 (Application Guide) – Tuesday – Wednesday
- P1547.6 (Networks) – Tuesday – Wednesday
- SCC21 PV Batteries – Wednesday - Thursday
- P1547.4 (Intentional Islands) – Thursday – Friday

The 1547.2 (Draft Application Guide for IEEE 1547 Standard for Interconnecting Distributed Resources with Electric Power Systems) is very near completion with balloting projected for Fall, 2007.

More information about these meetings and status of the working groups can be found at:

<http://grouper.ieee.org/groups/scc21/>

IEEE 1547.3 (Guide for Monitoring, Information Exchange and Control of DR Interconnected with EPS) has been approved, but is not yet available to purchase.

Intelligent Grid Subcommittee- Georges Simard

The Transmission and Distribution Committee may establish an Intelligent Grid Subcommittee. This new Subcommittee would function as a forum for exchanging and integrating information about such grids and also have a website for these purposes. Topics under consideration would include the definition of a smart grid and how to make a business case for it. There will be a panel session.

Power Quality Subcommittee, Voltage Sag Task Force

This Task Force is almost done with their Guide and it will soon be out for review. It will include some indices for power quality and monitoring.

STANDARDS

NESC – Greg Obenchain

The 2007 NESC sill has the extreme wind and ice exclusion for wood structures less than 60 feet, but this will likely be reviewed again fro the 2012 revision. By January 2009, utilities are required to do a study on short circuits for worst case conditions, taking into account both utility and customer owned equipment and are required to supply workers with arc flash clothing. See the attached Status Report for ANSI C-2, NESC 2012 edition.

NEC

Utilities have historically been exempt from the NEC. Recently NEC voted to eliminate the utility waiver for utility facilities on private property. This would include right-of-ways, and easements, and is a result of concern over streetlight issues. NRECA, APPA and EEI are filing objections.

DISCUSSION

We reviewed the meeting schedule for 2008 (January technical meeting in San Antonio, April T&D exposition in Chicago, July PES meeting in Pittsburgh). We were urged to bring some of the younger engineers to these meetings. Members agreed that it works best to have our Working Group and Task Force meeting rooms set up in U or Box shape rather than in classroom style. We will make this request for our future meetings.

One member asked what paper session moderators should do if the presenters do not show up for the session? Cheri said she would ask at the Committee meeting.

There was a discussion on what information is needed when we are reviewing papers. If a paper is rejected by one Subcommittee, it is supposed to be sent again to that same Subcommittee rather than being sent to another Subcommittee. Does anyone track this?

Betty requested that summary notes from the Working Groups and Task Forces be sent to her within two weeks of our meeting so they can be included in the Subcommittee's minutes.

PRESENTATIONS

Cheong Siew of BC Hydro gave a presentation on *One Utility's Asset Management Program*. Thanks to Cheong for his informative presentation!

PANEL PRESENTATIONS AND TUTORIALS

Distribution Automation WG Panel Session for the T&D Conference, Chicago April 22-24

Theme 1: Communication and Information Management Technologies

Switching and Overcurrent WG Tutorial for the T&D Conference, Chicago April 22-24

Secondary Network Distribution Systems

Distribution Automation WG Panel Sessions for IEEE/PES GM Meeting – Pittsburgh July 20-14, 2008

Paper due for December 17, 2007 (Website open for paper submission on November 5)

Theme 1: Communication and Information Management Technologies (coordinate topics with the T&D show panel session)

Theme 2: Experiences of implementing DSM and AMI in Utilities

If you are planning a panel session for the T&D Conference, please make sure that your panelists have their papers submitted in time.

Complete manuscripts are to be submitted electronically via this website which will be linked to the paper submittal web page on July 13. The site will be available for paper submissions beginning July 13, 2007 through September 14, 2007. No submittals will be accepted after the September 14, 2007 deadline. Authors will be notified of the decision regarding their paper by November 16, 2007. For manuscript formatting and preparation instructions please refer to the IEEE Power Engineering Society Author's Kit at www.ieee.org/pes (select Paper Submissions on menu list). All submissions will be reviewed as conference-grade papers. Please contact the Technical Program Chair, Ernst Camm at ecamm@sandc.com if you have any questions on the technical program or the call for papers.

ATTACHMENT

NESC Status Report

Appendix: Current Membership Roster

Chair: Warren, C., Albany, NY

Vice Chair: McDaniel, J., Belleville, MI

Secretary: Tobin, E., Everett, WA

Ardrey, G., Beloit, WI

Banting, J., Pewaukee, WI

Bouford, J., Northborough, MA

Burke, J., Cary, NC

Caswell, H., Portland, OR

DeNardo, C., Milwaukee, WI

Ehrlich, R., Newark, DE

Fijnvandraat, C., Andover, MA

Forte, V., Albany, NY

Frost, K., Oakbrook Terrace, IL

Gilmer, D., Craig, CO

Goodfellow, J., Redmond, WA

Hall, D., Newark, DE

Hayes, H., St. Louis, MO

Hensel, D., Jackson, MI

Khodaie, M., Albuquerque, NM

Lacy, S., Fontana, CA

McDaniel, J., Syracuse, NY

McDermott, T., Pittsburgh, PA

Moran, N., San Francisco, CA

Nuthalapati, S., College Station, TX

Obenchain, G., Washington, DC

Pahwa, A., Manhattan, KS

Pehosh, M., Arlington, VA

Perry, C., Knoxville, TN

Riley, C., Forest Park, GA

Robinson, R., Topeka, KS

Russo, D., Seattle, WA

Sabin, D., Knoxville, TN

Saint, B., Arlington, VA

Short, T., Ballstonsper, NY

Siew, C., Burnaby, BC, Canada

Simard, G., Montreal, QC, Canada

Smith, J., Phoenix, AZ

Soderberg, R., Jackson, MI

Taylor, L., Charlotte, NC

Thatcher, M., Kansas City, MO

Viglietta, J., Philadelphia, PA

Walling, R., Schenectady, NY

Ward, D., Richmond, VA

Welch, G., Raleigh, NC

Werner, V., Milwaukee, WI

Williams, C., Maitland, FL

Yuen, D., Bellevue, WA