

Switchgear ADSCOM Meeting MINUTES

8 May, 2007

St Pete Beach, Florida

INTRODUCTIONS 20 members and 29 guests are present

SUBCOMMITTEE UPDATES (by exception)

- I. Education, Recognition & Publications Mietek Glinkowski
 - Tuesday Luncheon speaker will be Wanda Reder
 - Only one presentation after Thursday Main Committee Mtg; "Substation Restoration after Katrina" by Carlos Cruz Montano
 - The second planned presentation, "Fundamentals of the new IEC 61850 Standard. What's in it for the Switchgear People" by Dr. Bernhard Deck, is delayed until the Fall meeting due to a last minute conflict.
 - Attached are the minutes of the ER&P meeting (Att 2).

- II. High Voltage Fuses John Leach
 - IEEE C37.45, "Standard Specifications for High-Voltage Distribution Class Enclosed Single-Pole Air Switches with Rated Voltages from 1 through 8.3kV," was approved in March, it was the first document inherited from NEMA to be revised and converted to an IEEE document.
 - IEEE C37.42, "Specification for High-Voltage Expulsion Type Distribution Class Fuses, Cutouts, Fuse Disconnecting Switches and Fuse Links," will be balloted soon.
 - Attached is the HVFSC Project Status report to ADSCOM (Att 3).

- III. High Voltage Switches Alex Dixon
 - IEEE PC37.30.x combination is out for invitation for WG members.
 - IEEE 1247
 - Recommended to split into two documents
 - The test code should be a WG sponsored by ADSCOM
 - The product code should be a WG sponsored by HVS
 - Request that ADSCOM take over the test code sections
 - HVS will develop the scope and formal vote for this recommendation and request.
 - The scope and purpose in the PAR for PC37.30.1 is not consistent with the document. Discussion indicates that the PAR scope conflicts with IEEE1247. The PAR will need to be changed anyway and the scope can be reviewed at that time.
 - Attached is the HVS Report to ADSCOM (Att 4).

- IV. High Voltage Circuit Breakers Rich York
 - Plan is to re-affirm C37.04 & -09 then combine C37.04 & C37.06 as one document, a new C37.04, and SD4
 - 25 Working Groups, Documents, and TF under management.
 - Attached is the HVCB Report to ADSCOM (Att 5).

- V. Low Voltage Switchgear Devices Doug Edwards
 - C37.13.1 (Standard for Definite Purpose Switching Devices for Use in Metal Enclosed LV PCB Swgr) – Published 10/2006.

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- C37.27 (Application Guide for LV AC Nonintegrally Fused PCBs (Using Separately Mounted Current-Limiting Fuses) – Currently ballot comments are being resolved.
 - C37.13 (LV AC PCBs Used in Enclosures) – Currently ballot comments are being resolved.
 - C37.13 Clarification Request – Response to request for clarification concerning testing 60 Hz rated breakers at 50 Hz being reviewed for response. Draft is completed and will be reviewed this week. This will include coordination with NEMA and C37.50.
 - C37.14 (Standard for LV DC Power Circuit Breakers Used in Enclosures) – Task Force formed to recommend actions concerning standard. Limited knowledge base.
 - C37.16 (LV CBs and AC Power Circuit Protectors – Preferred Ratings, Related Requirements, and Application Recommendations) – Currently PAR is being submitted and revision of document is in process.
 - C37.17 (Standard for Trip Devices for AC and General Purpose DC LV PCBs) – Currently revision of document is in process.
 - Attached is the LVSD Report to ADSCOM (Att 6).
- VI. Reclosers and other Distribution Equipment Steve Meiners
- Solid dielectrics TF for research
 - Controls for Distribution Equipment TF will pull PAR back and rewrite it.
 - C37.74 – writing Par
 - C37.60 – writing PAR
 - Interpretation request, what is the process? On this agenda later.
 - Attached is the RODE Report to ADSCOM (Att 7).
- VII. Switchgear Assemblies Ted Olsen
- C.37.20.1b (LV ME Switchgear) amendment to C37.20.1 (to be disbanded).
 - C37.20.2 (MV Metal-Clad Switchgear) revision, 3rd WG meeting in St. Pete Beach. WG to address the seismic requirements.
 - C37.20.3 (MEI Switchgear), 1st WG meeting in St. Pete Beach.
 - C37.20.4 (Switches for ME Switchgear), 1st WG meeting in St. Pete Beach. This revision will merge the content of C37.22 (transferred from NEMA) into C37.20.4.
 - C37.20.6 (G&T Devices) revision, 3rd WG meeting in St. Pete Beach
 - C37.20.7 (Internal Arcing Tests) revision, conditionally approved by RevCom in June, 2006, recirculated once for legal issues, and second recirculation delayed to resolve issues. RevCom approval withdrawn, Dec, 2006. Expect to resolve issues and recirculate following the St. Pete Beach meeting.
 - Reaffirmation ballots on C37.20.3, C37.20.4 and C37.121 (Unit Substations) were successful and all three were reaffirmed by the Standards Board in 2006.
 - Attached is the SA Report to ADSCOM (Att 8).

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Proposal: RESOLVED: Each sub-committee chair shall present a written status report, listing all standards, recommended practices, guides, PARs and Task Forces for which it is responsible, and the current status of the work. We should all use the same form, so that the Standards Coordinator will have a chance to help us keep IEEE-SA and our work on track to meet our target dates. Attached where submitted.

ADSCOM WORKING GROUP REPORTS

- C37.100 Definitions Randall Dotson
 - Matt Ceglia should provide direction on how to manage and publishing the document if necessary
 - The document may become a part of IEEE 100
 - See attached discussion via email summarized by T. Olsen (Att 9).
- C37.100.1 Common Clauses Dave Stone
 - Accepted by REVCOM
 - Process for use?
 - Dave Stone and Larry Far will develop a guidance document and assist with its use (Att 10).
 - Bill Long made a motion to ADSCOM concerning the adoption of C37.100.1, shown below. The motion was seconded by Steve Meiners.
 - “The Switchgear Subcommittee Chairs are directed to instruct Working Groups involved with the creation and/or revision of documents under their respective scope to consider the incorporation of C37.100.1 into those documents during the creation or revision process where appropriate.

Subcommittee Chairs will incorporate a status report concerning the progress of adoption of C37.100.1 into reports to ADSCOM.”
 - The motion was amended by Ted Olsen, shown below, and accepted by Bill Long and Steve Meiners.
 - “The Switchgear Subcommittee Chairs are directed to instruct Working Groups involved with the creation and/or revision of documents under their respective scope to consider the incorporation of C37.100.1 into those documents as suggested in Annex A of C37.100.1, during the creation or revision process where appropriate.

Subcommittee Chairs will incorporate a status report concerning the progress of adoption of C37.100.1 into reports to ADSCOM.”
 - The motion was approved unanimously by the committee.
 - See attached report (Att 11).
- C37.59 Conversions of Power Switchgear Pete Dwyer
 - The PAR was revised to match with present IEEE requirements and a C37.59D9 was derived and balloted.
 - 193 comments were received, mostly editorial, and should be resolved at St. Pete. See consolidated comments with resolutions attachment for details (Att 12).
 - Report (Att 13) and Meeting minutes (Att 14) are attached.

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- C37.301 (formerly 1291) Partial Discharge Measurement Marcel Fortin
 - WG decided to adopt IEC document 60270 and add to it to define how to test.
 - Will discuss with IEEE as to the process of document adoption. Will talk with Matt Ceglia.
 - See attached report (Att 15) and unapproved meeting minutes (Att 16).
- TF on Capacitor Switching Neil McCord
 - The TF compared the ratings from the three sources and found they were similar with slight differences. The options on where to go were discussed and it was determined to develop a document with two ways to get C2 and possibly add to common clauses.
 - A PAR will be developed with the assistance of M. Wactor, with a secondary objective of developing preferred ratings.
 - Subcommittees that have an interest should have representation, the chairs to determine membership.

THANKS to the sponsors who have supported this meeting:

ABB, Cooper Power; Eaton, NEMA, Dupont, AREVA, Siemens, Powell and Underwriters Laboratories, Inc.

STANDARDS COORDINATOR UPDATE

- Standards Report / Actions for ADSCOM Michael Wactor
 - Dave Ringle's list of document to be withdrawn – administratively.
 - Re-Affirm, Revise, or Withdraw,
 - 1325, C37.09, C37.09A, C37.09 Corrigenda, C37.013, C37.10, C37.20.1, C37.30, C37.34, C37.35, C37.36b, C37.37, and C37.48.1
 - Projects that need extensions; C37.06 and C37.12
 - **ACTION – Sub-committee Chairs**, please submit request for extension to prevent administrative withdrawal of the standard.
- IEEE delegation to ASC C37
 - Proposal: RESOLVED: The IEEE ASC delegation has 7 members, consisting of 5 Balloters and 2 alternates. The 5 balloting members are R. York, D. Edwards, S. Meiners, T. Olsen, M. Wactor – Standards Coordinator and Chair of delegation, with J. Leach, and A. Dixon as alternates. See attachment for details (Att 17)
 - Bill Long made a motion to allow Mike Wactor to make any changes to the balloters as needed. Dean Sigmon seconded the motion. The motion passed unanimously with one member not voting (Alex Dixon).

AGENDA ITEMS

- Joint WG w/Substations C37.122 – C37.38 (J. Brunke, J. Nelson)
 - WG Chair J. Brunke – meetings Spring-w/ Substations & Fall-w/ Swgr
 - Communication between meetings needs to be addressed.

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- C37.38 that was administratively withdrawn, this WG will move the information from C37.38 to C37.122.
- Joint Sponsors with TX Comm. & RODE C57.12.30 & .31 (Steve Meiners)
 - Work is just starting, need to discuss the method
 - Possible dual sponsorship
- Coordination with TX Comm. WG C57.142, CB – TX Interaction (Steve Lambert)
 - Progressing
- Dual Logo (IEEE and IEC) standards – C37.60 a.k.a 62271-111 (Dave Stone/Larry Farr)
 - UK and others within IEC have expressed serious “objections”
 - US and others issues are common to new procedures will be OK
 - Now, have PAR, how to include IEC input formally?
 - Dave Stone presented a presentation given to IEC SC 17A, (Att 18)
 - Primary recommendation was to start with the IEC numbering format to prevent changing it later for dual logo.
 - Dave Stone presented the current full version of the flow chart, (Att 19)
 - Determined that neither IEC or IEEE have a definite process for revisions.
 - Dave Stone made the motion below to ADSCOM. The motion was seconded by Randy Dotson.
 - That the IEEE WG for C37.60 join with IEC SC17A Maintenance Team (MT 47) as a Joint WG/Dual Logo Maintenance Team for the purpose of revising IEEE C37.60/IEC 62271-111.
 - During discussion Jeff Nelson presented another version of flow chart, (Att 20)
 - The motion was withdrawn until further direction can be attained from IEEE.
- Technical Committee Advisory Board (Jeff Nelson)
 - The TCAB voted to extend membership to 4yrs.
 - This was forwarded to Technical Counsel.
 - The TCAB started collecting data on all Technical Committees to review structure for commonality
 - Jeff Nelson indicated that he opposed such process and did not participate. He indicated that it was outside the scope of the TCAB.
 - Poster Session vs. Paper Presentations
 - The Technical Committees indicated the desire for more Paper presentations without poster sessions.
 - However, the sensous at the Main Meeting showed a preference to the poster session.
 - Therefore, a change is not likely in the near future.
- General Meeting Tampa June 2007 (Ted Burse / Jeff Nelson / Bill Long)
 - Two papers submitted from Switchgear Committee, one accepted for a poster session.

OLD BUSINESS

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- Revision to Switchgear Operations Manual (Jeff Nelson/Ted Burse)
 - No Progress
- Adscom and Main Committee Motions and Directives (Bill Long/Ted Burse)
 - In Progress
- IEEE Virtual Community – Deferred (Brad Staley)
- Please sign up for, and **use, IEEE alias** e-address for Swgr Committee work
- IEEE-SA requiring policies (patents etc.) shall be discussed at every WG mtg.
 - Effective May 1,2007
 - FAQs – pgs (Att 21); Short form – 5 pgs (Att 22); Is it still too long?
Tutorial form – 23 pgs (Att 23)

NEW BUSINESS / ROUND TABLE

- Assistant Web Master – do we have a volunteer?
 - No volunteer yet!
- Subcommittee Web Pages – SC Chairs to Update
 - Doug Edwards offered to send update template
- IEC – CIGRE International Symposium on International Standards for Ultra High Voltage will take place in Beijing, China on 18 - 21 July 2007 (Att 24)
- Process for responding to formal requests for interpretation
 - A document outlining guidance was presented by Ted Olsen, (Att 25)
- Awards from Technical Counsel – Ward Labach
- T&D Conference Spring 2008
- General PES Mtg in Pittsburg June 2008

FUTURE MEETING PLANS

Bill Long

- 14-18 Oct 2007 - Philadelphia (Holiday Inn 400 Arch St. Downtown)
 - Marcel Fortin presented a special report from STLNA (Att 26) outlining the needs for the STL-TC meeting occurring Thursday and Friday following the Fall meeting.
- Spring 2008 - Orlando, Asheville, Nashville, 4-8 May '08
- Fall 2008 - Portland, Calgary
- Spring 2009 - your city?

ADJOURNMENT 12:00pm

Submitted respectfully,

Ken Edwards, Secretary