



2011 – 2012 Officers

CHAIR
Mike Dood
Schweitzer Engineering Laboratories
15350 W. National Avenue, Suite 205
New Berlin, WI 53151-5119
Phone: (509) 336-7133
Fax: (262) 789-8470
Email: mike_dood@selinc.com

VICE-CHAIR
Markus Etter
ABB Inc.
Power Products Division3
Independence Way, Suite 206
Princeton, NJ 08540
Phone: (732) 932-6250
Fax: (732) 932-6272
Email: markus.etter@us.abb.com

SECRETARY
Diane Watkins
Salt River Project
Phone: (602) 236-5288
Email: Diane.Watkins@srpnet.com

PSRC September 2013 Meeting Albuquerque, NM

C0: DATA ACQUISITION, PROCESSING, AND CONTROL SYSTEMS SUBCOMMITTEE

Chair: C. Preuss
Vice Chair: Vacant
Secretary: H. Pinto

Working Group Reports (See below)

- A. New working groups
 - a. C18 P1613.2 AC surges on phone lines (TBD)
 - i. Chair: Marc LaCroix
 - b. C19 PC37.xxxx Cyber Security of files related to Substation Automation, Protection and Control Systems (TBD)
 - i. Joint WG with PSRC H22 WG that wants to expand the H18 report to cover everything in a substation
 - ii. Looking for Chair volunteers
- B. New baseline WG P&Ps will impact how C0 conducts meetings

C1: IEEE 1686 Standard For Substation IED Cyber Security

Chair: S. Sciacca
Vice Chair: M. LaCroix
Secretary:
Output: Standard
Expected Completion Date:

C. Did not meet

C2: IEEE 1613 Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations

Chair: J. Tengdin
Vice Chair: L. Smith
Secretary:
Output: Standard update
Expected Completion Date:

Did not meet.

C2.1: IEEE 1613.1 Environmental and Testing Requirements for Communications Networking Devices Installed in Transmission and Distribution Facilities

Chair: J. Tengdin
Vice Chair: J. Ramie
Secretary:

C0 Meeting Notes

Output: New Standard
Expected Completion Date:

Did not meet

C3: IEEE C37.1 Standard for SCADA and Automation Systems

Chair: C. Preuss

Vice Chair:

Secretary: Vacant

Output: Standard

1. We are looking at splitting out IED requirements to a separate, future C37.1.1
 - a. That look resulted in the discovery that the low voltage levels for port powered devices (serial, USB, and Ethernet) are not covered under C37.1-2008 and the latest revision of 1613.

C4: IEEE PC37.237 Time Tagging for Intelligent Electronic Devices (IEDs) – COMTAG

Joint with PSRC

Chair: M. LaCroix

Vice Chair:

Output: Standard

C4 met jointly with PSRC H3. See the PSRC report.

C5: IEEE C37.2 Draft Standard for Electrical Power System Device Function Numbers and Contact Designation

Chair: M. Dood

Vice Chair: B. Ackerman

Output: Standard update

1. Reviewed merging unit and will rework definition of it from 61850 so that it can not be confused with other devices
2. Edition 2 of 61850-5 has broken apart the single table into may tables and references C37-2008, but excludes the acronyms without any reason stated.

C6 Trial Use Standard for a Cryptographic Protocol for Cyber Security of Substation Serial Links (P1711)

Chair: D. Whitehead

Vice-Chair: TBD

Output: Standard

1. Discussed whether 1711 went from trial-use to full use when PAR was taken out to modify it.
2. Modifications are being undertaken to address comments received.
3. Will work with IEEE-SA to determine if renaming to 1711.2 can be accomplished at this time.

C7 IEEE 1588 Profile for Power System Applications

Chair: T. Tibbals

Vice Chair: M. Dood

C0 Meeting Notes

**Output: Standard
Established: 2013**

Subs C7 met jointly with PSRC H24. Please see PSRC report.

C8 IEEE 1615 Recommended Practice for Network Communications in Substations

Chair: Open

Vice Chair:

Secretary:

Output: Standard

Established: 2011

1. Looking for new chair
2. Reviewed present draft
3. PAR may need extension due to change in WG officers

C9: IEEE 1646 IEEE Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

Chair: J. Tengdin

Vice Chair: D. Holstein

Output: Standard

Established: 2009

Expected Completion Date: 2010.

The C9 working group did not meet.

C10: IEEE PC37.240 Standard for Cyber Security Requirements for Substation Automation, Protection and Control Systems

Joint Chair: T. Tibbals

Vice Chair:

Output: Standard joint with PSRC H13

Established: 2008

Expected Completion Date: TBD

Met joint with PSRC H13. See PSRC report.

C11: PC2030.101 IEEE Recommended Practice for the Design and Implementation of Time Synchronization Distribution Systems for Substation Automation

Chair: J. Bougie

Vice Chair:

Output: Standard

Established: 2012

Expected Completion Date:

1. Reviewed approach and made the following decisions:
 - a. Need to add PPS method to scope.

C0 Meeting Notes

- b. Consensus was to complete all guide work as one standard including IRIG, NTP/SNTP, Power Profile, and PPS. Future work for GPS clock requirements and IED clock requirements could follow next.
- c. PSRC I11 report could be helpful as a starting point for standard
- d. Writing needs to be done Sept 2014 to meet PAR schedule
- e. Writers for time distribution methods in scope

C12: IEEE 1815 IEEE Standard for Electric Power Systems Communications - Distributed Network Protocol (DNP3)**Chair: L. Smith****Vice Chair: R. Farquharson****Output: Standard****Established: TBD****Expected Completion Date: TBD**

1. Reviewed DNP3 technical committee work
 - a. technical bulletins and application notes published to date
 - b. response was reviewed to cyber security fuzz testing
2. WG may look at formalizing in the WG P&Ps when an update to 1815 is triggered outside of the normal update period
3. The 1615 standard update needs an update from the WG on DNP3 to put in the new 1615

C13: IEEE C37.115 IEEE Standard Test Method for Use in the Evaluation of Message Communications between Intelligent Electronic Devices in an Integrated Substation Protection, Control, and Data Acquisition System**Chair: J. Tengdin****Vice Chair:****Output: Standard****Established:****Expected Completion Date:.**

The C13 working group did not meet.

C14: IEEE P1815.1 Draft Standard for Exchanging Information between networks Implementing IEC 61850 and IEEE Std 1815 (DNP3)**Chair: L. Smith****Vice Chair: R. Farquharson****Output: Standard****Established: 2010****Expected Completion Date: 2013**

Continued work with review of comments from ballot.

C15: PC2030.100 Recommended Practice for Implementing IEC 61850 Substation Automation Systems

C0 Meeting Notes

Chair: R. Liposchak
Vice Chair:
Output: Standard
Established: 2012
Expected Completion Date:

The WG reviewed the present draft and discussed when writing needs to be complete to meet or beat the PAR schedule.

C16: PC2030.102.1 Interoperability of IPSEC Utilized within Utility Control Systems

Chair: J. McQuire
Vice Chair:
Output: Standard
Established: 2013
Expected Completion Date: 2014

The WG reviewed the present draft and need to consider explaining why only certain settings are being selected and also why their settings are being selected.

C17: P1711.3 Standard for Secure SCADA Communications Protocol (SSCP)

Chair: M. Hadley
Vice Chair:
Output: Standard
Established: 2013
Expected Completion Date: 2014

The WG reviewed the present draft developed from the source files. Language harmonization with 1711 is needed.