

IEEE Standards Update

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PMU Standards Update

Performance standard: IEEE C37.118.1-2011 / 1a-2014

Data transfer standards: IEEE C37.118.2-2011, IEC 61850 9-2-2011 and IEC TR 90-5

Draft updates:

- IEEE C37.118.1 is soon to be replaced by joint IEC/IEEE std. 60255-118-1 (2018). Approved by both IEEE and IEC balloting, now in final edit by IEC. Most likely to go before IEEE Review Committee (Revcom) by September.
- IEC 61850 is undergoing revisions generally called “edition 2” This includes bringing TR 90-5 into various parts, mainly 9-2.

PMU Standards (continued)

- Possible revision to IEEE C37.118.2-2011 is being considered by PSCC task force P9.
- IEEE C37.244-2013 Guide to Phasor Data Concentrator is being turned into a PDC standard: PC37.247.
 - Project publication date: TBD.



Timing standard



- IEEE PC37.237: Standard Requirements for Time Tags Created by Intelligent Electronic Devices—COMTAG™
 - 1st Reballot completed and all comments addressed. In final edit before next (10-day) reballot expected soon.
 - Annex on extensions to IRIG-200 (typically called IEEE 1344) has been moved from the PMU standard series to COMTAG.
 - A new method to carry more data over IRIG using a technique called “Time Division Multiplexing” TDM has been added.

PMU Guides, Reports, White Paper

- C37.242 IEEE Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control. Revision 2 expected shortly after joint IEC/IEEE standard is published. Ballot group may form before September.
- IEEE Report on Standard Mapping between C37.118.2 and IEC 61850 is in review by the working group. Only a working group vote is needed for publication. Expected before September.
- IEEE Conformity Assessment Program (ICAP) revision 3 of the Synchrophasor Performance Test Suite Specification (TSS) is in review and will be balloted by steering committee (SCASC) after May meeting. Expect publication shortly after joint IEC/IEEE standard.
- PSCC task force to consider the Streaming Transport Telemetry Protocol (STTP, formerly Advanced Synchrophasor Protocol (ASP)) as an IEEE guide, standard or trial-use standard.

Upcoming Working Group meetings

- IEEE Power System Relaying Committee (PSRC) and Power System Communication and Cybersecurity Committee (PSCC) meet jointly:
 - May meeting: Pittsburgh PA
May 7 – 10 2018
 - September meeting: Minneapolis, MN
September 10-14 2018
- PSRC C28 NASPI/IEEE Liaison will discuss topics during the NASPI PSRVTT breakout tomorrow afternoon

