IEEE Standards Update

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PMU Standards Update

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


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**


- 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