

IEEE P1159.3 PQDIF Task Force

<http://grouper.ieee.org/1159/3/>



MEETING MINUTES FROM 2015 IEEE JOINT TECHNICAL COMMITTEE MEETING

MEETING LOCATION AND TIME

Hyatt Regency Orange County
Garden Grove, California, USA
2015 January 12, 10:00 to 11:00 AM

MEETING MINUTES

ATTENDEES

The meeting was called to order by Daniel Sabin at 10:10 AM. Minutes were recorded by Richard Bingham. The meeting was attended by 28 people.

Aldrich, David	Howe, Bill	Ronnberg, Sarah
Bingham, Rich	HyoSunny, Go	Sabin, Daniel
Bollen, Math	Jikyung, Park	Sagl, Andrew
Buffington, John	Johnston, Steven	Sedziol, Ken
Chang, Gary	Laughner, Theo	Spiewak, Erin
Chui-huran, Kim	Mattoon, Carl	Tatum, Steve
Grappe, Joseph	Naphen, Robert	Zavoda, Francisc
Gunther, Erich	Norwalk, Matt	Zhou, Bin
Gyujung, Cho	Page, Marty	
Hansen, Dennis	Peele, Scott	

OLD BUSINESS

IEEE mandatory legal slides were reviewed.

A review of the 2003 standard and its evolution was conducted, along with a review of the present status, which requires a revision by 2018. The PAR was submitted in May of 2014 with the objectives of adding new values, tags, and IDs, along with an Annex on XML, COMTRADE, and IEC 61850. Updates to the C++ libraries for PQCOM4.DLL and PQDIF.NET, along with PQDiffactor can be found through the web site. PQDiffactor can now be automated to export PQDIF files from binary format to XML format, and can now open IEEE C37.111 COMTRADE 1991 and 1999 files.

NEW BUSINESS

The Norwegian regulatory body, NVE, has mandated use of PQDIF for utilities for annual reporting, beginning Feb 1 2015.

NEWLY APPROVED PQDIF IDS

Seven proposed changes were submitted via www.pqdif.info. Four equipment names for vendors were approved, along with two to accommodate better storage of magnitude-duration tables. One was rejected for insufficient information to understand the proposed change.

NEWLY APPROVED EQUIPMENT IDS

- ID_EQUIP_CANDURA_PQPRO
- ID_EQUIP_CANDURA_EP600
- ID_EQUIP_CANDURA_PQPMU
- ID_EQUIP_CANDURA_PVII

NEWLY APPROVED QUANTITY CHARACTERISTIC IDS

- ID_QC_DURATION
- ID_QC_TIME_OFFSET

NOT APPROVED AS A NEW DISTIRBANCE CATEGORY ID

- URB_1159_WAVEDISTORT_INTERHARMONIC: (Needs Clarification)

ANNEXES

The Annex on XML is being drafted from a prior IEEE paper on the topic.

Feedback from CIGRE/CIREC C4.112 was that the standard's procedure for implementing PQDIF was "too complicated". An "Observation Only Record" method is being considered. A paper was submitted for the CIREC 2015 conference entitled "revision of 1159.3 PQDIF" to gain wider understand of the standard.

IEC 61850-8-1 defines file classes that can be mapped to the Manufacturing Message Specification (MMS) file object, including PQDIF Files and COMTRADE Files,

IEC TC57 and TC85 are collaborating on a new technical report: TR IEC 61850-90-17, which if adopted, would create a new logical node with the working title "Continuous Power Quality recorder" will be implemented in IEC 61850-7-4 Ed. 3, and IEEE PQDIF Std. 1159.3-2003 would be the preferred file format. Feedback on the draft document IEC TR 61850-90-17 "Using IEC 61850 to transmit Power Quality data" is needed.

Next meeting will be in the 2015 IEEE PES General meeting in Denver in July.

The meeting was adjourned at 11:00 AM.