

## MINUTES of PQ SUBCOMMITTEE 15-January-2013 Memphis, TN

The meeting was opened at 10:00 AM on January 15, 2013 in L3 of Memphis Cook Convention Center, TN, USA.

- Introductions: Tim Unruh- chair, Rich Bingham- Vice Chair (absent), Gary Chang- secretary, PQ Subcommittee members and meeting participants. There were 22 attendees participating the meeting.
- Minutes of previous meeting were approved.
- Time Unruh reported the current status of standard documents under each working group and discussed the next step of PQ Subcommittee.
- Reports from WGs
  - Monitoring PQ WG - Tim Unruh
    - 1159 -- no status changes
    - 1159.3 -- Dan Sabin reported that a recent work done was to add PQ one more key TF number with the group, produced a new .NET version, PQDIFCOM4, which is a freeware library and can be found in IEEE web site. A personal action item is to figure out how IEEE recommends promote the developed software. The TF plans to have a web meeting in April to promote more new tools available to people using PQDIF. The TF also started PQDIF 1.6 which flashes new id contents allowed to revise PQDIF Std. Another action item is to create a PAR to get it done within three or four years.
  - Harmonics WG - Bill Moncrief reported that two standards were balloted once. 519 got comments back and in process of corporate unit comments. There are 43 comments and most are with editorial changes. The status of 519 is in operating all the changes except the changes in the document that still have some questions on matching the scope of the purpose of the PAR and the purpose of the document.

519.1 went out for circulation for review about the same time as doing 519 and got comments back; half of the comments are in process.

519 PAR got three years of extension and 519.1 PAR expires on Dec. 31, 2013.
- Voltage Quality WG -
  - 1250 - Kevin Little reported that the WG proposes equipment specification table for robust design and looking at tables for PQ issues and equipment standards. The WG also tries to get ideas about how it handles smart grid and voltage quality issues in review of 1250 for updates.
  - 1453 - Ken Sedziol reported that the WG looks at either 1453.2 or 1453 by taking EPRI document to put it into IEEE format and revising it to include information according to 1453 and 1453.1 as stands; then make it one document as a flicker application guide. The new WG secretary is Harish Sharma.
  - 1564 - Dan Sabin reported to put 1564 Draft 18 on ballot Jan. 2, 2013. A total of 108 people signed up to vote and 34 votes were received by Jan. 14. Plan to have a TF web meeting to review comments on March 8. PAR expires this summer.
- Power Quality Solutions WG - Dave Mueller
  - 1346 – the WG had some discussions but did not come to any conclusion.
- PQ Activities- Wilsun Xu (absent)

- Tim Unruh reported three panel sessions planned for Vancouver meeting. One for Paulo Ribeiro- Time-Varying and Probabilistic Methods for Harmonics Aggregation Analysis in a Smart Grid; one for Francisc Zavoda– Power Quality Monitoring in Smart Grid; one for Tim Unruh – Power Quality in Your Future (panelists: Tim Unruh, Wilsun Xu, Ken Sedziol, Bill Moncrief, Dave Mueller, and Alex McEachern).
- Dan Sabin reported that each panel session is scheduled for two-hour time interval.
- Tim Unruh proposed a new plan of PQ meeting schedule in Vancouver. The purpose is to attract more attendees in PQ activities without time conflicts with the planned panel sessions. The conclusion is to have all PQ meetings on Tuesday afternoon and Wednesday all day. Some meetings may be combo sessions.
- Francisc Zavoda talked about new PQ monitoring technologies. A new Working Group - PQ Issues with Grid Modernization Technologies was created. The WG chair is Dave Mueller and vice chair is Francisc Zavoda.
- New Business
  - Dan Sabin called for plans of panel sessions in 2014 IEEE T&D Conference and Expo. The deadline for submitting the panel session plan is Aug. 19, 2013.
  - Bill Moncrief invited an IEEE-SA staff member to talk about the way we change the statements of a document under PAR.

## Next Meeting

The next meeting of the subcommittee will be in the IEEE PES General Meeting in Vancouver, Canada during the week of July 21-25, 2013.

Tim Unruh motioned to adjourn at 11:20 AM.

## Attendees

The following persons attended the meeting on Jan. 15, 2013.

Barros	Julio	University of Cantabria
Chang	Gary	National Chung Cheng University
Chisholm	William	Chair of T&D Committee
Ehrich	Russ	Conectiv
Gunther	Erich	EnerNex Corporation
Howe	Bill	EPRI
Jacobsen	Dallas	SEL
Little	Kevin	Duke Energy
Howe	Bill	EPRI

Nordell	Dan	Xcel Energy EMC
Norwalk	Matt	SCE
Page	Marty	Georgia Power
Moncrief	Bill	EnerNex Corporation
Mueller	Dave	EnerNex Corporation
Sabin	Dan	Electrotek Concepts
Sagl	Andrew	Megger
Sedziol	Ken	Duke Energy
Seeley	Matthew	JEA
Smith	Nicholas	Southern Company
Tatum	Steve	Southern Company
Unruh	Tim	DOE
Zavoda	Francisc	IREQ (HQ)