The meeting was opened at 13:30 on July 23 (Wednesday), 2013 in VCC West – West Meeting Room 113

- Introductions: Tim Unruh- chair, Rich Bingham- vice chair, Gary Chang- secretary, PQ Subcommittee members and meeting participants. There were 16 attendees participating the meeting.
- Minutes of previous meeting were approved.
- New officers proposed. For the term of 01/2014 through 12/2015: chair-Rich Bingham; vice chair-Gary Chang; secretary-Ken Sedziol.
- Reports from WGs
  - Monitoring PQ WG - Tim Unruh
    - 1159 – not have official meetings.
    - 1159.3 – Dan Sabin reported that the TF had two meetings in the second week of July; one web meeting drew about 20 people and two volunteers wanted to participate in the revision of the PQDIF draft. The meeting discussed the suggestions of changes of the past 18 months. Planning to actually revise previous version and create a PAR in the coming year.
    - 1159.1 – Rich reported that to discuss whether adopting IEC standard or not and will bring the issue up in the next meeting.
  - Harmonics WG - Bill Moncrief
    - 519 – The WG discussed 519 and its problems to get the PAR and the document align. The draft did not get in time first time. The PAR is now corrected and will survive until December 2013.
    - 519.1 – The application guide will be revised to apply to new 519. The PAR was approved in November 2012. The TF plans to have it submitted after approval of 519. Suggestions were given about to meet IEEE requirements and to get the PAR out as soon as possible.
  - Voltage Quality WG – Theo Laughner
    - 1250 – Theo reported that about 20 people were in the meeting. The WG decided to open up a five-year PAR and started working together on the scope. Dave Zeech from Duke Energy has agreed to serve as the new secretary and the WG is still looking for a new vice chair.
    - 1453 – Ken Sedziol reported that a PAR request has been approved for new 1453 standard document that would replace both existing 1453 and 1453.1 documents. EPRI flicker interest group document has been used to develop the first draft of the new 1453 document and a request was made for attendees to volunteer work on the new document.
    - 1564 – Dan Sabin reported that 1564 was on ballot in Jan. 2013 and 86% balloters responded with 98% approval rate and 98 comments. Dan will try to get the comments responded and recirculate the spreadsheet within two weeks.
  - Power Quality Solutions WG – Rich Bingham reported on behalf of Dave Muller
    - 1409 – Tasks of this WG had done.
  - Power Quality Disturbance Analytics WG – Wilsun Xu
There were active discussions on issues related to waveforms and fault anticipations/locations as well as incipient fault detections. The new WG could provide an opportunity to expend the scope of PQ Subcommittee. Surya Santoso will serve as the vice chair. Tim suggested that Wilsun comes back with detailed scope of the new WG and its title in next meeting.

- **PQ Issues with Grid Modernization Technologies - Dave Muller**
  - Francisc Zavoda reported that the WG name has been changed to Power Quality Impacts of Grid Modernization Technologies. The WG is working on finalize its scope and may orient issues of smart meter impacts on PQ, smart distribution applications, smart grid applications on PQ, and see how different technologies applied will impact PQ. Erich Gunther suggested that an immediate issue is to look for solutions dealing with new PQ problems caused by pervasive deployments of PVs and EVs.

- **PQ Activities - Wilsun Xu**
  - Wilsun reported that three panel sessions proposed for the future. One from Don Russell - Detecting Incipient Faults Using Disturbance Data Analytics (2014 PES GM); two for Roberto Langella - Harmonics from New Loads (2014 PES GM); High Frequency Harmonics from Power Electronic Loads (2015 PES GM).

- Roberto Langella reported that next ICHQP will be held in Bucharest, Romania in May 2014 and the conference web site has opened.

- **New Business**
  - Rich Bingham suggested update PQ Roadmap and requested members’ feedbacks to be discussed in next January meeting.

Tim Unruh motioned to close the meeting at 15:00.