# 2019 JTCM meeting Minutes of Power Qaulity Subcommittee – Harmonics Application guide TF (519.1)

## Meeting Location and Time

Hyatt Regency Orange County  
11999 Harbor Boulevard  
Garden Grove, California 92840  
Grand D

2019 January 15  
10 AM – 12 PM

## MEEting Minutes

### Attendees

David Zech Kenn Sedziol

Nick Zagrodnik Gary Chang

Mark Halpin Gary Nuzzi

Steven Johnston Dan Sabin

Kevin Kittredge Scott Peele

Joe Grappe Matt Norwalk

Bill Howe Joseph Sneed

Paul Ortmann Patrick Chavez

Dave Mueller Justin Kuhlers

Ed Russo Brooks Glisson

Bryan Glenn

The meeting was called to order by Mark Halpin at 10:24 am. Minutes were recorded by Nick Zagrodnik.

### Old Business

Minutes from 2018 GM approved.

Revisited outline of IEEE 519.1 draft 0 and determined assignments for those to write/contribute to the various sections. Assignments listed below.

### New Business

Mark presented summary of upcoming revisions to IEC 61000-3,-6,-7, -13, -14

Basic Outline

* Decisions on disturbances above 2kHz
* What are “normal system conditions”?
* What is the “total system capacity (St)”?
  + How to manage energy sources?
* Evaluation of allocation methods
  + Equitable allocation vs maximum utilization
* Managing reality via remained allocation
  + Procedures considering existing disturbance levels

Meeting adjourned at 12:05pm

### Summary of Volunteers for Future Activities:

1. Scope & Application – Mark Halpin
2. Percentiles – Harish Sharma
3. Even Order Harmonic Limits – Dave Zech (Lead), Kenn Sedziol and Dave Mueller
4. Interharmonic Limits – Roberto Langella (Lead), Alfredo Testa and Mark Halpin
5. Increasing Voltage Harmonic Limits for High Voltage Systems – Dave Mueller
6. Definition of THD – Dave Zech (Lead), Nick Zagrodnik and Gary Nuzzi
7. Rationale for Limiting Considerations to Below 3 kHz – Matt Norwalk and Tom Cooke
8. Very Short Term Harmonic Considerations – Scott Peele to start and then transition to Joe Grappe and Mark Stephens. Scott Peele to notify Mark Halpin of transition prior to retirement.
9. Applications to Energy Producing Installations – Marty Page(Lead), Nick Zagrodnik and Dave Mueller
10. Similarities and Differences with IEC 61000-3-6 – Mark Halpin (Lead), Joe Sneed and Theo Laughner
11. Need someone to review statistical evaluation section 4.4 of IEEE 519