# 2021 JTCM Meeting Minutes – Harmonics WG (519 & 519.1)

## Meeting Location and Time

Webex - Remote

2021 January 13  
2 PM – 3:30 PM EST

## MEEting Minutes

### Attendees

David Zech Reigh Walling

Nick Zagrodnik Chester Li

Mark Halpin Rey Ramos

Steven Johnston Francisc Zavoda

Kevin Kittredge Theo Laughner

Joe Grappe Vong Chan

Bill Howe Farhad Omar

Marlin Browning Dan Sabin

Harish Sharma Tom Nelson

Chandra Pallem Gerald Scheuer

Math Bollen Jason David

David Mueller Surya Santoso

Grazia Todeschini Nikunj Shah

Kenn Sedziol Roberto Langella

Gaurav Singh Anthony Murphy

Michael Kipness Matt Norwalk

Julio Barros

The meeting was called to order by David Zech at 2pm. Minutes were recorded by Nick Zagrodnik.

### Old Business

IEEE mandatory legal slides were reviewed by the Chair. No patents were identified by the attendees.

Minutes approved from 2020 GM.

Still need to approve minutes from 2020 JTCM

### New Business

Draft 5 changed to draft 5.1 due to some inadvertent definition deletions that needed to be re-inserted.

Will be resubmitting PAR once balloting starts in order to make agreed upon revisions to the scope.

Reviewed D5.1 of IEEE 519 and all comments from WG members that were formally submitted to WG officers.

* Need to update WG member list.
* Made additions to clause 3.2 Acronyms and abbreviations. Dan Sabin commented these create a more direct link/hit to the standard document when someone searches for these terms on the IEEE website.
* Clause 4, changed wording on frequency range under further research.
* Clause 4, added explanatory note regarding IEC 61000-4-30 Class A and Class S.
* One member commented that note a under Table 1 is ambiguous and seems to present unnecessary restrictions. Decision was made to leave the note as is and allow for further comment during balloting.
* Revised paragraph under note a for Table 1 regarding information in Annex A.
* Clause 5.3, one member proposed making separate columns for even order harmonics related to note a under Tables 2 - 4. Decision was made to leave as is and allow for further comment at ballot stage.
* Question was raised about how best to reference P2800 as a normative reference within IEEE 519. Michael Kipness confirmed we can reference it as a draft standard prior to it being a published standard by the following rules per the IEEE style manual:
  + Dated
  + Readily available
  + Retrievable
* A few suggested including TRD as a defined term as it is described in IEEE 1547 and IEEE 2800. The decision was made to leave TRD as a term exclusive to IEEE 1547 and P2800 as the term is exclusively applicable for generation installations. It was agreed on previously to develop and publish IEEE 519 as a load based standard with reference to IEEE 1547 and IEEE 2800 where appropriate. Some also raised the issue that the term TRD was adopted prematurely and needs further refinement and standardization on how to measure the Irms term in its calculation.

Voted on sending P519D5.1 to ballot

* Yes - 40
* No - 0
* Abstain – 1

Motion to send P519D5.1 passes

Dave Zech verbally sent invitation for those interested in joining the comment resolution group for balloting stage to contact the 519 and 519.1 WG officers

Meeting adjourned at 3:32PM

### Summary of Volunteers for Future Activities: