

**P280 Working Group
Minutes of 18 April 2019 Web Teleconference Meeting**

1. Call to order

Meeting was called to order by Randy Curey (Chair) at 3:12 PM (EST).

Roll Call of Voting Members

Last, First Name	Affiliation	Present
Curey, Randy (Chair)	Northrop Grumman	Yes
Balma, Peter	Retired	Yes
Edwards, Doug (Secretary)	Siemens	Yes
Hoffman, Gary	Advanced Power Tech.	No
Li, Adam	Asset Intertech	No
Guest		
Gentry, Elizabeth	NIST	Yes

2. Determination of Quorum

60% attendance – Quorum met.

3. Approval of Agenda

No objections. Approved by consent.

4. Approval of March 26, 2019 Meeting Minutes

No objections. Approved by consent.

5. Call for Patents

No Patent issues reported.

6. Chair's remarks

DOE issues status? Still pending.

7. Continue working on P280

- a. Continue addressing Elizabeth comments on draft 6
- b. Continue dispositioning the comments in the draft
- c. Continue addressing other member's comments that have been submitted

Started with Peter's comments on Draft 8.

- d. L431: Removed note.
- e. L410, Table 2: New names for scientific exponents are not yet approved by the BIPM. Deleted items for 10^{30} , 10^{27} , 10^{-27} , 10^{-30} .
- f. L471: Removed italics and added colon. Change to "Illustration of notation:"
- g. T5.25: Updated reference. T8.1 was incorrect.
- h. T5.27: Updated reference. F8.10 was incorrect.
- i. T7.8: thermal conductivity.
Should "k" be kept? Elizabeth to provide additional research.
Add Right parenthesis ")"
- j. T7.8: Change to W/(m.C) Text is not exactly duplicated here – just text given for basic reference.
- k. T9.1: Why "quantity of electricity"? Keeping same wording used in SI10.
- l. T9.11: Should "capacitivity" be kept?
Action: Elizabeth to search for use of "capacitivity."
Term is used via Google, but not in SI10.
Suggestion: Move "capacitivity" to bottom of list to indicate least preference.
- m. T9.12: Changes made similar to T9.11.
 - Add new item T9.11 (renumbers subsequent items in Table 9).

**P280 Working Group
Minutes of 18 April 2019 Web Teleconference Meeting**

- Add "permittivity of vacuum"
 - Quantity: ϵ_0
 - farad per meter
 - F/m
 - See T12.3
- n. T12.3 uses term "electric constant". Added "electric constant" to T9.11.

2.0 Part 2 - At approximately 4:00 PM Doug Edwards had to leave the meeting and Peter Balma assumed the role of recording minutes. It was noted that there was no longer quorum present, therefore the following discussions are open to discussion and comment by all members.

Discussion of Peter Balma's comments continued.

- o. T9.27 the quantity description for magnetic vector potential was discussed but not resolved.
- p. T9.29 μ_v was changed to μ_0
- q. T9.36 quantity descriptions were reordered and revised. The word intrinsic was removed.
- r. It was noted that table entries with multiple quantity names had to be reviewed, as to determine if there was a significance to the order of the names listed, i.e., most to least preferred.
- s. All of the constants in Table 12 were reviewed, and those based on NIST SP 961 were reviewed and changed where necessary to match the NIST table.
- t. All of the units in Table 12 based on NIST were also checked and revised to match NIST SP 961 as required.
- u. In Table 14, duplicated symbol listing were eliminated, this included σ (sigma), ϕ (phi), and ψ (psi).
- v. The vector differential operator and d'Alembertian operator symbols at the end of Table 14 were changed to match the symbols used in the source tables.

8. Next Meeting (New Doodle poll)

Next meeting – Doodle Poll will be submitted for weeks of April 29th and May 13th, 2019.

9. Adjournment

Meeting adjourned at 5:05 PM (EST).

Reported by,

From 3 to 4PM
Doug Edwards
Secretary, P280 WG
T: +1 (919) 270-1148
E: doug.edwards@ieee.org

Part 2, From 4 to 5PM
Reported by
Peter Balma
Acting Secretary, P280 WG