

**P280 Working Group
Minutes of 30 May 2019 Web Teleconference Meeting**

1. Call to order

Meeting was called to order by Randy Curey (Chair) at 3:02 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.

- Adam is withdrawn as member. He is removed as a member.
- With small WG membership, plan would be to execute a “straw poll” of SCC14 for input prior to IEEE-SA Ballot.

3. Approval of Agenda

No objections. Approved by consent.

4. Approval of April 19, 2019 Meeting Minutes

No objections. Approved by consent.

5. Call for Patents

No Patent issues reported.

6. Chair’s remarks

DOE issues status?

Response from IEEE (Michelle Turner), “We sent a notification to the DoD informing them about the revision activity and inviting them to reach out to the SCC14 liaison if they want more information about participating. We also gave them URLs so that they can get information about our Work Program from the IEEE-SA website. **Going forward, the template front matter will be used.**”

Discussion Copyright issue

There are concerns of how to best use Copyright document, specifically some of the NIST publications. The NIST publication are available for use but cannot be Copyrighted by others – e.g. IEEE.

Task: Doug Edwards – Review this example with Yvette Ho Sang (IEEE).

Will consider Copyright issues as identified.

7. Continue working on P280

a. Continue addressing Elizabeth comments on draft 6. Left off with Elizabeth Gentry T9.12 item

- i. T9.11. ϵ , T9.12 ϵ_r , T9.13 ϵ_r^* All correct
- T9.34 Adding note requesting SCC14 review specifically the symbols and potentially use of new “small k” symbol. With reference to

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80,000-6, 6-28 list small "k" and χ_m . Believe μ_I is not appropriate.
We chose symbol – WORD 03BA
Also, equation on right, 1st symbol to be updated.

- ii. T9.37 Magnetic Polarization. 80,000-6, 6-29.
No change
- iii. f. T9.54 No change, should be italics
- iv. g. T9.55 No change, upside down V, italics, good.
- v. h. T12, Note 1 will be updated to reference to latest 2018 CODATA recommended values.
- vi. i. T12 The physical constants are still to be updated.
- vii. k. T13.7 ϵ is deleted.
- viii. j. Before going to ballot, check for updates per B23 ...

b. Disposition the draft 8 comments provide by Randy

- i. Line 490: Correct typo with exponents.
- ii. T5.18. Corrected symbol in Remarks
- iii. In remarks, symbols are used that have multiple possible references.
Open action item to had comment similar to T5.29.
- iv. T5-25. X-Ref is no okay.
- v. T7.1 Should have gap
- vi. T7.6 Alpha should be italics
- vii. T7.8 Adding closing parenthesis.
- viii. T9.10 Change from D to italic
- ix. T9.15 and T9.16 – X-References for symbols to be provided.
- x. T9.59 Spacing to be updated to improve readability.
- xi. T10.42 Removing extra equation – the image.
- xii. T13.11, 12, 13. They are vectors. Bold or not? In 3.2, states, Bold used. Lead paragraph section 5, "as a rule"

c. Continue dispositioning the remaining comments in the draft (Draft 8)

Started with Peter's comments on Draft 8.

- i. T9.11. ϵ , T9;12 ϵ_r , T9.13 ϵ_r^* All correct
- ii. T9.34 Adding note requesting SCC14 review specifically of symbols and potentially use of new "small k" symbol. With reference to 80,000-6, 6-28 list small "k" and χ_m . Believe μ_I is not appropriate.
We chose symbol – WORD 03BA
Also, equation on right, 1st symbol to be updated.
- iii. T9.37 Magnetic Polarization. 80,000-6, 6-29.
- iv. No change
- v. f. T9.54 No change, should be italics
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- vii. h. T12, Note 1 will be updated to reference to latest 2018 CODATA recommended values.
- viii. i. T12 The physical constants are still to be updated.
- ix. k. T13.7 ϵ is deleted.
- x. Before going to ballot, check for updates per Guide for the Use of the International System of Units (SI), National Institute of Standards and Technology (NIST), NIST Special Publication 811, 2008 Edition (P280 Draft 9, Bibliography item [B23]).

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d. Stop. Will pick up at T13.14.

8. Next Meeting (New Doodle poll)

Next meeting – June 19, 2019, 3 – 5 PM EDT.

9. Adjournment

Meeting adjourned at 5:00 EDT

Reported by,

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