

**P280 Working Group  
Minutes of December 17, 2020 Web Teleconference Meeting**

**1. Call to order**

Meeting was called to order by Randy Curey (Chair) at 10:03 AM (PST).

**Roll Call of Voting Members**

| <b>Last, First Name</b>   | <b>Affiliation</b> | <b>Present</b> |
|---------------------------|--------------------|----------------|
| Curey, Randy (Chair)      | Northrop Grumman   | Yes            |
| Balma, Peter              | Retired            | Yes            |
| Edwards, Doug (Secretary) | Siemens            | Yes            |
| Benham, Elizabeth         | NIST               | No             |
| <b>Guest</b>              |                    |                |
| Sullivan, Paul            | DuPont             | Yes            |

**2. Determination of Quorum**

75% attendance – Quorum met.

**3. Approval of Agenda**

No objections. Approved by consent.

**4. Approval of December 8, 2020 Meeting Minutes**

No objections. Approved by consent.

**5. Call for Patents**

No Patent issues reported.  
No Copyright issues at this time.

**6. Chair’s remarks.**

Hope to complete so we can submit for ballot.

**7. Continued resolution of ballot comments on Draft 22, creating Draft 23.**

Comment resolutions are detailed in the comment resolution form.

- Similar to 260.1, footnote 9
  - Updated to, “These spellings are in agreement with NIST Special Publication 330, 2019 Editions [B21].”
- Table 12 – How to distinguish between Mathematical Constants and Physical Constants?
- Section (currently 4.2) Alphabets and typography
  - Changed from “Symbols for physical quantities, mathematic variables, ... shall be .. italic...”
  - Changed to, “Symbols for physical constants, physical quantities, mathematic variables, ... shall be .. italic...”
- Added footnote, “A physical constant is a number, which does not change, that is based on a physical measurement (see Table 12).
- In Definitions (Section 3): Definitions added for:
  - mathematical constant: Randy to attempt wordsmithing.
  - physical constant
  - physical quantity (previously added) revised to break-out the examples to a NOTE.
- T10.26 noise power density item. What is correct subscript, zero “0” or an oh “o”?
  - Answer – Subscript zero.

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- Additional Bibliography items from 260.1. Include or not?
  - ISO 1000 has been replaced by ISO 8000-1. Thus, Bibliography reference to ISO 1000 is not included.
  - IEEE Std 1541 – No Bibliography item to be included.
  - BIPM reference updated.
  - Bibliography was sorted. There are issues with Cross-Reference (WORD).
- Draft Section 4.6 Usage
  - Agree to keep first two (2) paragraphs.
  - Last paragraph, “On the other hand, letters may be attached to a unit symbol ...” needs rewording – PENDING.
- i-72: Conjugate complex quantity:
  - Possible solution is to add alternate option for “bar” over letter. Will pickup on this issue at next meeting.

**8. Next Meeting**

Randy to submit a Doodle Poll.

**9. Adjournment**

Meeting adjourned at 11:56 AM PST.

Reported by,

Doug Edwards  
Secretary, P280 WG  
[doug.edwards@ieee.org](mailto:doug.edwards@ieee.org)