

**P260.3 Working Group
Minutes of August 20, 2024 from 11 am to 1 pm PDT
Webex Teleconference Meeting**

1. Call to Order

Call to order at 11:10 am (PDT).

2. Roll Call of Attendees

Last, First Name	Affiliation	Member Status Voting (VM) Non-Voting (NVM)	Present
Curey, Randy (Chair)	Northrop Grumman	VM	Yes
Balma, Peter	Retired, Self	VM	Yes
Brown, Richard	NPL	VM	No
Edwards, Doug (Secretary)	Siemens	VM	Yes
Flowers, Keith	Siemens	VM	No
Shirley, Eric	NIST	VM	No
Webb, John	ABB	VM	Yes
Sullivan, Paul	DuPont	NVM	No

3. Determination of Quorum

Quorum was met and maintained through meeting.

4. Approval of Agenda

No objections. Agenda was approved by acclamation.

5. Approval of Previous Meeting Minutes

[P260.3 WG Minutes \(2024-07-02.R1\)](#)

Previous minutes header noted time as 10 am to 12 pm (PDT). Meeting was from 11 am to 1 pm (PDT). Minutes were approved by acclamation with this correction of the times in the header.

6. Call for Patents / Copyright

- Chair reminded all of the [IEEE-SA Patent policy](#).
- Chair reminded all of the [IEEE-SA Copyright policy](#).
- No Patent or Copyright issues reported.

7. Participant behavior

- Chair reminded all of the [IEEE Behavior – Individual Method](#) principles.

8. Chair’s Remarks

No remarks.

9. Continue review of draft – creating D12 draft.

All section/bullet numbers are based on the D11 number. The numbering did change from the previous published document and previous drafts.

Per previous minutes, was to start back at Table 11.10 – Complex variables.

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- a) 11.10.1 and new 11.10.2, imaginary: Added row for "j" under "i". Notes used to clarify used in mathematics versus used in electrical engineering. Although "i" is "used in mathematics", as "i" is used in IEEE Std 280, the row 11.10.1 is kept in the table.

11.10.1	i	$x + iy$	imaginary unit: $\sqrt{-1}$; used in mathematics
11.10.2	j	$x + jy$	imaginary unit: $\sqrt{-1}$; used in electrical engineering

- b) D12: 11.10.3: Re-ordered list to introduce "*" conjugate before subsequent uses.
- c) D12: 11.10.4 Im: imaginary part of z: Changed all usages z (with an over bar) to z^* .
- d) D12: 11.10.5 Absolute value: Action Item – Randy to address WORD inputting of z^* instead of z (with an over bar).
- e) D12: 11.10.# Various location: Changed all usages of "i" to "j".
- f) D12: 11.10.3: conjugate: Decision made to NOT include z (with an over bar) as z (with an over bar) is not included in IEEE Std 280.
- g) **Action Item:** New text is to be added to the introduction stating something like, "The symbol for conjugate is changed from a variable with an over-bar " \bar{z} " to a variable with an asterisk " z^* "
- h) Start back **11.10.6**.

10. Next Meeting – Per Meeting Poll.

- 11.** Adjourned at 12:32 pm (pdt) due a member having to leave the meeting and quorum being lost.

Reported by,
Doug Edwards
P260.3 Secretary