

**P260.1 Working Group  
Minutes of August 10, 2023 from 10 AM to 12 PM PDT  
Web Teleconference Meeting**

**1. Call to Order**

Call to order at 10:02 AM (PDT).

<b>Last, First Name</b>	<b>Affiliation</b>	<b>Present</b>
Curey, Randy (Chair)	Northrop Grumman	Yes
Balma, Peter	Retired, Self	No
Edwards, Doug (Secretary)	Siemens	Yes
Ressel, Howard	Retired, Self	Yes
Webb, John	ABB	Yes
Flowers, Keith	Siemens	No
Sullivan, Paul	DuPont	Yes

**2. Determination of Quorum**

Quorum was met.

**3. Approval of Agenda**

No objections. Approved by acclamation.

**4. Approval of Meeting Minutes**

[P260.1 WG Minutes \(2023-06-19.R1\)](#) minutes were approved by acclamation.

**5. Call for Patents / Copyright**

- Patent Slides reminder discussed.
- Copyright discussed.
- No Patent or Copyright issues reported.
- Participant behavior discussed.

**6. Chair's Remarks**

None, other than we are getting close.

**7. Resolve identified issues from recirculation ballot in Comment Resolutions**

Exact conversions evaluations task continued.

- a. micron: Yes – Exact. Reviewed previous discussions. All good per previous revisions.
- b. troy ounce: Yes – Exact. Troy ounce is defined as 480 grains. And, grain is defined exactly per pound (also stated below for grain). All good.
- c. grain: Yes – Exact. Grain is defined exactly per pound. All good.
- d. poundal: Yes – Exact. Poundal is based on pounds, feet, and seconds. As there are exact conversions for pounds and feet, then poundal is an exact conversion.

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- e. BTU (International Table) & Btu (Thermochemical): Although BTU is exactly converted from calorie and calorie is exactly converted based on Joule, the math of 5/9 drives the calculation in practice is not exact.

BTU is unbolded for both (international table) and (thermochemical). Also, added footnote h, "Although each term of the equation is exact, which allows for any number of significant digits, an exact conversion factor cannot be determined due to the 5/9 factor."

- f. Circular Mil & oersted: For these items with " $\pi$ ", text is unbolded and footnote reference is added, "Although each term of the equation is exact, which allows for any number of significant digits, an exact conversion factor cannot be determined due to  $\pi$  being irrational."
- g. Gauss: Yes – Exact, per NIST Special Publication 811 which shows the conversion factor for Gauss as exact.
- h. Joule: A joule is a  $\text{kg}(\text{m}^2/\text{s}^2)$ , the Ws is  $\text{kg}(\text{m}^2/\text{s}^3)\text{s}$ , therefore the exact conversion factor is 1.
- i. Maxwell: A maxwell is  $1 \text{ Gauss} * \text{centimeter}^2$ . As Gauss and centimeter are exact, Maxwell is exact.
- j. Weber: STOPPING HERE. Working on providing details for Weber.

**8. Next Meeting**

A Doodle poll will be sent out to determine next meeting date.

**9. Adjournment**

Meeting adjourned at 12:00 PM (PST).

Reported by,  
Doug Edwards, Siemens  
Secretary, P260.1 WG