

# Errata to IEEE Standard Definitions for the Measurement of Electric Power Quantities Under Sinusoidal, Nonsinusoidal, Balanced, or Unbalanced Conditions

Developed by the  
**Power System Instrumentation and Measurements Committee**  
of the  
**IEEE Power and Energy Society**

*Correction Sheet*  
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# Errata to IEEE Standard Definitions for the Measurement of Electric Power Quantities Under Sinusoidal, Nonsinusoidal, Balanced, or Unbalanced Conditions

NOTE—The editing instructions contained in this **erratum** define how to merge the material contained therein into the existing base standard and its amendments to form the comprehensive standard.

The editing instructions are shown in **bold italic**. Four editing instructions are used: change, delete, insert, and replace. **Change** is used to make corrections in existing text or tables. The editing instruction specifies the location of the change and describes what is being changed by using ~~strike through~~ (to remove old material) and underscore (to add new material). **Delete** removes existing material. **Insert** adds new material without disturbing the existing material. Insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. **Replace** is used to make changes in figures or equations by removing the existing figure or equation and replacing it with a new one. Editing instructions, change markings, and this NOTE will not be carried over into future editions because the changes will be incorporated into the base standard.

## Annex B

(informative)

### Fourier and Fortescue components

**Replace Equation (B.2) and Equation (B.3) with the following equations:**

$$V = \sqrt{\frac{1}{kT} \int_{t_0}^{t_0+kT} (v(t))^2 dt} = \sqrt{v_0^2 + \frac{1}{2} \sum_{h=1}^H \hat{v}_h^2} \quad (\text{B.2})$$

$$I = \sqrt{\frac{1}{kT} \int_{t_0}^{t_0+kT} (i(t))^2 dt} = \sqrt{i_0^2 + \frac{1}{2} \sum_{h=1}^H \hat{i}_h^2}, \quad (\text{B.3})$$