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IEEE Std 2845™-2023

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Errata to IEEE Trial-Use Standard for Testing and Evaluating the Dielectric Performance of Celebratory Balloons in Contact with Overhead Power Distribution Lines Rated up to 38 kV System Voltage

Developed by the

Transmission and Distribution Committee

of the

IEEE Power and Energy Society

Correction Sheet

17 May 2024

IEEE

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 ~~strikethrough~~ (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.

On page 17, please change the footnote text as indicated:

[12] For this standard, one (1) balloon diameter is defined as the largest overall dimension of the inflated balloon where the largest overall dimension is the maximum dimension length of any bounding box around the test specimen as observed in any 360° perspective view of the inflated balloon.
[13]See Footnote ~~5~~12.
[14]See Footnote ~~5~~12.
[15]See Footnote ~~5~~12.

On page 20, please change the text as indicated:

8.3 Lighter-than-air gas

8.3.1 Gas composition

The lighter-than-air gas used for the balloon inflation and test shall be a gas admixture comprising helium and oxygen. The gas admixture shall be a certified admixture containing 4.9% to 5.1% oxygen by molar fraction with helium the remaining balance. A certified admixture of ~~20.45 mg/m^3~~ 0.05% (500 ppm) carbon dioxide, 5.0% oxygen, balance helium may be used as the 95% helium, 5% oxygen admixture.

On page 26, please change the text as indicated:

12.2.4 Test specimen data and results

Test specimen data and results reporting includes the following information:

- Atmospheric pressure, temperature, and relative humidity parameters during testing of the test specimen.
- The test specimen's voltage class and applied test voltage.
- The test specimen's orientation.
- The test specimen's end-of-test condition:
  - If end of test was a disruptive discharge, include description of the type of disruptive discharge.
  - If ~~successful~~end of test was not a disruptive discharge, include the length of the withstand duration time.
- The test specimen's pass/fail assessment. If fail assessment, include the reason for fail.