

Errata to IEEE Guide for Testing Metal-Enclosed Switchgear Rated Up to 38 kV for Internal Arcing Faults

Sponsor

Switchgear Committee

of the

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Correction Sheet

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Subclause 5.2.4 contains two software conversion errors. The "610" in the third sentence and the "620" in the fourth sentence are incorrect. Replace the "610" with " $\pm 10\%$ " and replace the "620" with " $\pm 20\%$."

5.2.4 Frequency of the test supply

The duration of the test must be considered when setting the frequency of the test current and voltage. The arc energy is significantly affected by frequency when the arc duration is less than 50 ms. Where fast acting protective devices will limit the rated arcing duration (duration of test arc) to 50 ms or less, the frequency at the beginning of the test shall be the rated frequency of the equipment $\pm 10\%$. For a rated arcing duration greater than 50 ms, the frequency at the beginning of the test shall be the rated frequency of the equipment $\pm 20\%$ and the frequency of the waveform should not deviate from the initial value by more than 8% for the duration of the test.