
PC37.20.6

Submitter Email:**Type of Project:** Revision to IEEE Standard C37.20.6-2015**Project Request Type:** Initiation / Revision**PAR Request Date:****PAR Approval Date:****PAR Expiration Date:****PAR Status:** Draft**Root Project:** C37.20.6-2015

1.1 Project Number: PC37.20.6**1.2 Type of Document:** Standard**1.3 Life Cycle:** Full Use

2.1 Project Title: Standard for 4.76 kV to 48.3 kV Rated Ground and Test Devices Used in Enclosures**Change to Title:** ~~IEEE Standard for 4.76 kV to 38~~ 48.3 kV Rated Ground and Test Devices Used in Enclosures

3.1 Working Group: SASC- IEEE Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures(PE/SWG/SASC_ WG C37.20.6)**3.1.1 Contact Information for Working Group Chair:****Name:** T W Olsen**Email Address:** twolsen47@gmail.com**3.1.2 Contact Information for Working Group Vice Chair:****Name:** Ted Burse**Email Address:** tburse@ieee.org**3.2 Society and Committee:** IEEE Power and Energy Society/Switchgear(PE/SWG)**3.2.1 Contact Information for Standards Committee Chair:****Name:** Keith Flowers**Email Address:** keith.flowers@ieee.org**3.2.2 Contact Information for Standards Committee Vice Chair:****Name:** Douglas J Edwards**Email Address:** doug.edwards@ieee.org**3.2.3 Contact Information for Standards Representative:****Name:** Michael Wactor**Email Address:** mwactor@ieee.org

4.1 Type of Ballot: Individual**4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:**

Mar 2023

4.3 Projected Completion Date for Submittal to RevCom: Dec 2024

5.1 Approximate number of people expected to be actively involved in the development of this project: 27**5.2 Scope of proposed standard:** This standard covers drawout-type, indoor, medium-voltage ground and test (G&T) devices for use in drawout metal-clad switchgear rated 4.76 kV through 48.3 kV as described in IEEE Std C37.20.2(TM). Four G&T device types are generally supplied for temporary circuit maintenance procedures for insertion in place of the circuit breaker as follows:

- a) Simple manual devices
- b) Complex manual devices
- c) Simple electrical devices
- d) Complex electrical devices

There may be more complicated G&T devices that may include current and/or voltage transformers, glow tubes, or other accessory components. These more complex devices are not within the scope of this standard. This standard can be used as a guide for their development but additional testing and interlocking may be required. Manufacturers should be consulted for the availability and ratings of these types of devices.

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5.3 Is the completion of this standard contingent upon the completion of another standard? No

5.4 Purpose: Although G&T devices have been used as accessory devices in metal-clad switchgear for decades, they were not addressed in the standards until IEEE Std C37.20.6™-1997 was approved. This is because they are specialized accessory devices, designed and tested in accordance with applicable sections of circuit breaker standards, and based on user-unique operational requirements. This revised standard complements IEEE Std C37.20.2 and addresses the more common G&T device types. This standard also clarifies that G&T devices are not required to have the interrupting and continuous current ratings of the circuit breakers they may temporarily replace for the purpose of grounding and testing medium-voltage circuits. It also recognizes that some devices may be offered with interrupting capabilities, and required tests for such devices are specified.

5.5 Need for the Project: IEEE C37.20.6 was published in 1997, and very substantially revised in 2013. This revision will make relatively less significant changes and bring the document format up to present IEEE-SA practices.

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5.6 Stakeholders for the Standard: Manufacturers, users, specifiers, and those who perform design tests, as well as third-party certification organizations of equipment designed and tested per IEEE C37.20.2, IEEE Standard for Metal-Clad Switchgear.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

No

6.1.2 Is the Standards Committee aware of possible registration activity related to this project?

No

7.1 Are there other standards or projects with a similar scope? No

7.2 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes: C37.20.2, IEEE Standard for Metal-Clad Switchgear, 2015 and IEEE Power and Energy Society.