

Electrostatic in IEC 60050 International electrotechnical vocabulary

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Abstract:

During the translation of the Praxislexikon der statischen Elektrizität (Practical dictionary of static electricity", eISBN 978-3-8169-8506-8), which has already been published in German, it became apparent that a large number of terms found in the International Electrotechnical Vocabulary IEC 60050 and its parts do not accurately describe the content from an electrostatic point of view or do not appear at all. One example is the corona discharge, which in power engineering is defined as a partial discharge that usually emits light and sound. In electrostatics, it is generally agreed that corona discharge is a continuous discharge that does not normally cause an ignition hazard. For example, the terms brush discharge, propagating brush discharge, cone discharge or super-brush discharge are not included in the IEC. Some terms are presented for discussion.

The German mirror committee for IEC Technical Committee 101 "Electrostatics", DKE/K 185, plans to prepare a proposal of 50 to 70 terms in consultation with IEC Technical Committees 101 "Electrostatics" and 111 "Terminology". The international electrostatic community is invited to participate in this project.

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