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**DRAFT**  
**prEN IEC 61643-01**

**prAA**

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English Version

## Low-voltage surge protective devices - Part 01: General Requirements and test methods

To be completed

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This draft amendment prAA, if approved, will modify the European Standard prEN IEC 61643-01; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2024-01-26.

It has been drawn up by CLC/TC 37A.

If this draft becomes an amendment, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

This draft amendment was established by CENELEC in three official versions (English, French, German).

A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## 17 European foreword

18 This document (prEN IEC 61643-01:2023/prAA:2023) has been prepared by Technical Committee  
19 CLC/TC 37A "Low voltage surge protective devices".

20 This document is currently submitted to the Enquiry.

21 The following dates are proposed:

- latest date by which the existence of this (doa) dor + 6 months  
document has to be announced at national  
level
- latest date by which this document has to be (dop) dor + 12 months  
implemented at national level by publication of  
an identical national standard or by  
endorsement
- latest date by which the national standards (dow) dor + 36 months  
conflicting with this document have to be (to be confirmed or  
withdrawn modified when voting)

22 Clauses, subclauses, notes, tables, figures and annexes which are additional to those in  
23 CDV IEC 61643-01 ED1 are prefixed "Z".

24 This document has been prepared under a standardization request addressed to CENELEC by the European  
25 Commission. The Standing Committee of the EFTA States subsequently approves these requests for its  
26 Member States.

27 For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

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**prEN IEC 61643-01:2023/prAA:2023 (E)**28 **1 Modification to 8.5.6.1,**29 *Replace “IEC 61000 series” with “EN 61000-6-1:2016”.*30 **2 Modification to 8.5.6.2,**31 *Replace “IEC 61000 series” with “EN 61000-6-3:2021”.*32 **3 Addition of subclause 8.7, “Additional information if declared by the**  
33 **manufacturer - Vibration and shock”**34 *Add the following new subclause 8.7 after 8.6.6:*35 **“8.7 Additional information if declared by the manufacturer - Vibration and shock**36 Information on vibration and shock tests for transportation and special applications can be found in  
37 Annex ZB.”38 **4 Modification to Table 3, “Pass criteria for type tests”**39 *In row F, delete the last sentence.*40 *In row G, delete the last sentence.*41 **5 Modification to Table 16, “Cross-sections of copper conductors for screw-type or**  
42 **screwless terminals”**43 *Delete the column “American Wire Gauge”.*44 **6 Modification to A.1, “Routine tests”**45 *Replace the whole paragraph with the following:*46 “Appropriate test(s) are performed during manufacturing production to verify that the SPD is capable of  
47 meeting its performance. Testing and/or inspection shall ensure that the marking of the SPD is correct. One  
48 method to check this is to power the SPD at  $U_c$  for all declared modes of protection in order to measure any  
49 continuous current. Other methods, like pre-testing of components before final assembly, can also be  
50 accepted.”51 **7 Modification to G.2.2, “Preconditioning procedure”**52 *Replace the Note with the following:*

53 “

54 NOTE After the preconditioning, the modification of the samples is done by the manufacturer under supervision of the  
55 test laboratory to avoid any unintended damage to the test samples.”56 **8 Addition of Annex ZB, “Vibration and shock test”**57 *Add the following annex:*

58 “