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Responsible committee: PEL/99 Erection and operation of power installations

Interested committees:

Title: Draft BS EN IEC 61936-01 :2021/AA:2024 Power installations exceeding 1 kV AC and 1,5 kV DC. Part 1: AC.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

**Power installations exceeding 1 kV AC and 1,5 kV DC - Part 1:
AC**

Installations électriques de puissance de tension supérieure
à 1 kV en courant alternatif et 1,5 kV en courant continu -
Partie 1: Courant alternatif

Starkstromanlagen mit Nennwechselspannungen über 1 kV
AC und 1,5 kV DC - Teil 1: Wechselstrom

This draft amendment prAA, if approved, will modify the European Standard EN IEC 61936-1:2021; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2024-04-26.

It has been drawn up by CLC/TC 99X.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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16 **European foreword**

17 This document (EN IEC 61936-1:2021/prAA:2024) has been prepared by CLC/TC 99X “Power installations
18 exceeding 1 kV a.c. (1,5 kV d.c.)”.

19 This document is currently submitted to the Formal Vote.

20 The following dates are proposed:

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

1 Modification to Clause 2, “Normative references”

EN 50522, *Earthing of power installations exceeding 1 kV a.c.*

2 Modification to Clause 3, “Terms and definitions”

Add the following note:

“

NOTE Additional definition of danger zone (D_L) is given in EN 50110-1 and EN 50110-2.”

3 Modifications to Clause 4, “Fundamental requirements”

*In 4.2.7, **replace** the note with the following:*

“

NOTE Directive 2013/35/EU and its national implementations specify the acceptable limits of electromagnetic fields during work.”

*4.2.10, **add:***

“

NOTE For more information consult EN 50160.”

*In 4.3.10, **add:***

“

NOTE For more information consult EN 50341 and EN 50423.”

4 Modifications to Clause 8, “Safety measures”

*In 8.8.2, **replace** “NOTE” with “NOTE 1”, and **add:***

“

NOTE 2 See also Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases and repealing.”

5 Modifications to Clause 10, “Earthing systems”

*In 10.1, **add:***

“For CENELEC the requirements of EN 50522 shall be taken into account.”

*In 10.2.1, **replace** the third last paragraph with the following:*

“*Details* for permissible touch voltages are given in EN 50522. Annex C shows the IEEE 80 curve which shall not be used as an alternative to the curve in Figure 12. Annex C is only informative for CENELEC.”

*In 10.3.1, **add** to the third last paragraph:*

“Annex D is informative for CENELEC.”

6 Modification to Annex C, “Permissible touch voltage according IEEE 80”

Replace the indication “normative” with “informative”.