

<b>STN</b>	<b>Tyristorové spínače na prenos energie jednosmerným prúdom vysokého napätia (HVDC) Časť 1: Elektrické skúšanie Zmena A1</b>	<b>STN EN 60700-1/A1</b>  35 1610
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Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/21

STN EN 60700-1 z marca 2016 sa bez tejto zmeny A1 môže používať do 20. 10. 2024.

Obsahuje: EN 60700-1:2015/A1:2021, IEC 60700-1:2015/AMD1:2021

**134139**

EUROPEAN STANDARD

**EN 60700-1:2015/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2021

ICS 29.200

English Version

Thyristor valves for high voltage direct current (HVDC) power  
transmission - Part 1: Electrical testing  
(IEC 60700-1:2015/AMD1:2021)

Valves à thyristors pour le transport d'énergie en courant  
continu à haute tension (CCHT) - Partie 1: Essais  
électriques  
(IEC 60700-1:2015/AMD1:2021)

Thyristorventile für Hochspannungsgleichstrom-  
Energieübertragung (HGÜ) - Teil 1: Elektrische Prüfung  
(IEC 60700-1:2015/AMD1:2021)

This amendment A1 modifies the European Standard EN 60700-1:2015; it was approved by CENELEC on 2021-10-20. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists 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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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**

**EN 60700-1:2015/A1:2021 (E)****European foreword**

The text of document 22F/604/CDV, future IEC 60700-1/AMD1, prepared by SC 22F “Power electronics for electrical transmission and distribution systems” of IEC/TC 22 “Power electronic systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60700-1:2015/A1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-07-20 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-10-20 document have to be withdrawn

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**Endorsement notice**

The text of the International Standard IEC 60700-1:2015/AMD1:2021 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

*The Annex ZA of EN 60700-1:2015 applies with the following changes:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<i>Replace the following references:</i>				
IEC 61803	1999	Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters	EN 61803	1999
+A1	2010		+A1	2010

*With the following new reference:*

IEC 61803	2020	Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters	EN IEC 61803	2020
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*Replace the following reference, as well as the associated footnote:*

ISO/IEC Guide 25		General requirements for the technical competence of testing laboratories		
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*With the following new reference:*

ISO/IEC 17025	-	General requirements for the competence of testing and calibration laboratories	EN ISO/IEC 17025	-
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IEC 60700-1

Edition 2.0 2021-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Thyristor valves for high voltage direct current (HVDC) power transmission –  
Part 1: Electrical testing**

**Valves à thyristors pour le transport d'énergie en courant continu à haute  
tension (CCHT) –  
Partie 1: Essais électriques**



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# INTERNATIONAL STANDARD

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AMENDEMENT 1

**Thyristor valves for high voltage direct current (HVDC) power transmission –  
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**Valves à thyristors pour le transport d'énergie en courant continu à haute  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**THYRISTOR VALVES FOR HIGH VOLTAGE DIRECT  
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Amendment 1 to IEC 60700-1:2015 has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

The text of this amendment is based on the following documents:

Draft	Report on voting
22F/604/CDV	22F/628/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

IEC 60700-1:2015/AMD1:2021  
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The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications/](http://www.iec.ch/standardsdev/publications/).

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## 2 Normative references

*Replace the existing reference to IEC 61803:1999 and IEC 61803:1999/AMD1:2010, as well as its associated footnote, with:*

IEC 61803:2020, *Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters*

*Replace the existing reference to ISO/IEC Guide 25, as well as its associated footnote, with:*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**