

STN	Stanovenie výkonových strát usmerňovačov konvertorov napájaných napätím (VSC) pre systémy jednosmerného prúdu vysokého napätia (HVDC) Časť 1: Všeobecné požiadavky Zmena A1	STN EN 62751-1/A1 35 1540
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Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements

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. 01/19

STN EN 62751-1 z júna 2015 sa bez zmeny A1 môže používať do 25. 5. 2021.

Obsahuje: EN 62751-1:2014/A1:2018, IEC 62751-1:2014/AMD1:2018

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EUROPEAN STANDARD

EN 62751-1:2014/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2018

ICS 29.200; 29.240

English Version

**Power losses in voltage sourced converter (VSC) valves for
high-voltage direct current (HVDC) systems - Part 1: General
requirements
(IEC 62751-1:2014/A1:2018)**

Pertes de puissance dans les valves à convertisseur de
source de tension (VSC) des systèmes en courant continu
à haute tension (CCHT) - Partie 1: Exigences générales
(IEC 62751-1:2014/A1:2018)

Bestimmung der Leistungsverluste in
Spannungszwischenkreis-Stromrichtern (VSC) für
Hochspannungsgleichstrom(HGÜ)-Systeme - Teil 1:
Allgemeine Anforderungen
(IEC 62751-1:2014/A1:2018)

This amendment A1 modifies the European Standard EN 62751-1:2014; it was approved by CENELEC on 2018-05-25. 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.

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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 62751-1:2014/A1:2018 (E)**European foreword**

The text of document 22F/439A/CDV, future edition 1 of IEC 62751-1:2014/A1, 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 62751-1:2014/A1:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-02-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-05-25

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The text of the International Standard IEC 62751-1:2014/A1:2018 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61803:1999	NOTE	Harmonized as EN 61803:1999 (not modified).
IEC 61803:1999/A1:2010	NOTE	Harmonized as EN 61803:1999/A1:2010 (not modified).
IEC 61803:1999/A2:2016	NOTE	Harmonized as EN 61803:1999/A2:2016 (not modified).

Replace Annex ZA of EN 62751-1:2014 by the following one:

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 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60633	-	Terminology for high-voltage direct current (HVDC) transmission	EN 60633	-
IEC 60747-2	-	Semiconductor devices - Discrete devices- and integrated circuits -- Part 2: Rectifier diodes		-
IEC 60747-9	2007	Semiconductor devices - Discrete devices -- Part 9: Insulated-gate bipolar transistors (IGBTs)		-
IEC 62747	2014	Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems	EN 62747	2014
ISO/IEC Guide 98-3	-	Uncertainty of measurement - Part 3: Guide-to the expression of uncertainty in measurement (GUM:1995)		-



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NORME INTERNATIONALE



AMENDMENT 1
AMENDEMENT 1

**Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems –
Part 1: General requirements**

**Pertes de puissance dans les valves à convertisseur de source de tension (VSC) des systèmes en courant continu à haute tension (CCHT) –
Partie 1: Exigences générales**



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FOREWORD

This amendment 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:

CDV	Report on voting
22F/439A/CDV	22F/458A/RVC

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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2 Normative references

Add the following new normative reference:

ISO/IEC Guide 98-3, *Uncertainty of measurement – Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN