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High-voltage direct current (HVDC) transmission - Vocabulary

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. 10/19

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English Version

**High-voltage direct current (HVDC) transmission - Vocabulary
(IEC 60633:2019)**

Transport d'énergie en courant continu à haute tension
(CCHT) - Vocabulaire
(IEC 60633:2019)

Hochspannungsgleichstrom-Übertragung (HGÜ) - Begriffe
(IEC 60633:2019)

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Comité Européen de Normalisation Electrotechnique
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EN IEC 60633:2019 (E)**European foreword**

The text of document 22F/480/CDV, future edition 3 of IEC 60633, 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 IEC 60633:2019.

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IEC 60146-1-3:1991	NOTE	Harmonized as EN 60146-1-3:1993 (not modified)
IEC 60700-2	NOTE	Harmonized as EN 60700-2
IEC/TR 60919-2:2008	NOTE	Harmonized as CLC/TR 60919-2:2010 (not modified)



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

High-voltage direct current (HVDC) transmission – Vocabulary

Transport d'énergie en courant continu à haute tension (CCHT) – Vocabulaire





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

High-voltage direct current (HVDC) transmission – Vocabulary

Transport d'énergie en courant continu à haute tension (CCHT) – Vocabulaire

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CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references	5
3 Symbols and abbreviated terms	5
3.1 Letter symbols	5
3.2 Subscripts	6
3.3 Abbreviated terms	6
4 Graphical symbols	6
5 General terms related to converter circuits	6
6 Converter units and valves	9
7 Converter operating conditions	12
8 HVDC systems and substations	15
9 HVDC substation equipment	19
10 Modes of control	23
11 Control systems	23
12 Control functions	26
Bibliography	37
Figure 1 – Graphical symbols	27
Figure 2 – Bridge converter connection	27
Figure 3 – Example of a converter unit	28
Figure 4 – Commutation process at rectifier and inverter modes of operation	29
Figure 5 – Illustrations of commutation in inverter operation	30
Figure 6 – Typical valve voltage waveforms	31
Figure 7 – Example of an HVDC substation	32
Figure 8 – Example of bipolar two-terminal HVDC transmission system	33
Figure 9 – Example of a multiterminal bipolar HVDC transmission system with parallel connected HVDC substations	33
Figure 10 – Example of a multiterminal HVDC transmission system with series connected HVDC substations	34
Figure 11 – Simplified steady-state voltage-current characteristic of a two-terminal HVDC system	34
Figure 12 – Hierarchical structure of an HVDC control system	35
Figure 13 – Capacitor commutated converter configurations	36

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION – VOCABULARY

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International Standard IEC 60633 has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

This third edition cancels and replaces the second edition published in 1998, Amendment 1:2009 and Amendment 2:2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) 40 terms and definitions have been amended and 31 new terms and definitions have been added mainly on converter units and valves, converter operating conditions, HVDC systems and substations and HVDC substation equipment;
- b) a new Figure 13 on capacitor commutated converter configurations has been added.

The text of this International Standard is based on the following documents:

CDV	Report on voting
22F/480/CDV	22F/491A/RVC

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

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

HIGH-VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION – VOCABULARY

1 Scope

This document defines terms for high-voltage direct current (HVDC) power transmission systems and for HVDC substations using electronic power converters for the conversion from AC to DC or vice versa.

This document is applicable to HVDC substations with line commutated converters, most commonly based on three-phase bridge (double way) connections (see Figure 2) in which unidirectional electronic valves, for example semiconductor valves, are used. For the thyristor valves, only the most important definitions are included in this document. A more comprehensive list of HVDC valve terminology is given in IEC 60700-2.

2 Normative references

There are no normative references in this document.

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