SLOVENSKI STANDARD
SIST EN 62747:2014/A1:2019

01-julij-2019

Terminologija za napetostne pretvornike (VSC) za visokonapetostne enosmerne sisteme

Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems

Terminologie für Spannungszwischenkreis-Stromrichter (VSC) für Hochspannungsgleichstrom(HGÜ)-Systeme

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Terminologie relative aux convertisseurs de source de tension (VSC) des systèmes en courant continu à haute tension (CCHT)

SIST EN 62747:2014/A1:2019
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Ta slovenski standard je istoveten z: **EN 62747:2014/A1:2019**

ICS:

01.040.29	Elektrotehnika (Slovarji)	Electrical engineering (Vocabularies)
29.200	Usmerniki. Pretvorniki. Stabilizirano električno napajanje	Rectifiers. Convertors. Stabilized power supply

SIST EN 62747:2014/A1:2019 **en,fr,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62747:2014/A1

March 2019

ICS 29.200; 29.240.99

English Version

Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014/A1:2019)

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(IEC 62747:2014/A1:2019)

This amendment A1 modifies the European Standard EN 62747:2014; it was approved by CENELEC on 2019-02-28. 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

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SIST EN 62747:2014/A1:2019

European foreword

The text of document 22F/481/CDV, future IEC 62747/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 62747:2014/A1:2019.

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) 2019-11-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-02-28

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

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The text of the International Standard IEC 62747:2014/A1:2019 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:

Delete the following reference:

IEC 60633	NOTE	Harmonized as EN 60633

Update the following references:

IEC 62751-1	NOTE	Harmonized as EN 62751-1
IEC 62751-2	NOTE	Harmonized as EN 62751-2

SIST EN 62747:2014/A1:2019

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.

Add the following reference:

Publication	Year	Title	EN/HD	Year
IEC 60633	-	Terminology for high-voltage direct current (HVDC) transmission	EN 60633	-

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IEC 62747

Edition 1.0 2019-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
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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/481/CDV	22F/489/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 normative reference to the list:

IEC 60633, *Terminology for high-voltage direct current (HVDC) transmission*

3.1 List of letter symbols

Replace the existing first paragraph by the following new paragraph:

Essential terms and definitions necessary for the understanding of this standard are given here; other terminology is as per relevant parts of IEC 60747, and as per IEC 60633 for certain specialized types of equipment which are found mainly on line-commutated HVDC schemes but may occasionally be included in VSC HVDC schemes.

Replace the existing letter symbols, and their definitions, "U_v", "U_{ve}", "U_c" (including its note), "U_{ce}" and "U_{valve}" by the following new letter symbols and definitions:

U_c line-to-line voltage on converter side of interface transformer, r.m.s. value including harmonics

U_{ce} line-to-earth voltage on converter side of interface transformer, r.m.s. value including harmonics

U_{vtt} voltage between terminals of a valve (any defined value)

SIST EN 62747:2014/A1:2019

Replace the existing letter symbols "I_v" and "I_{valve}", including their definitions, by the following new letter symbols and definitions:

I_c current on converter side of interface transformer, r.m.s. value including harmonics

I_v current through a valve

3.2 List of subscripts

*Replace the existing subscripts "*c*", "*v*" and "*valve*", including their definitions, by the following new subscripts and definitions:*

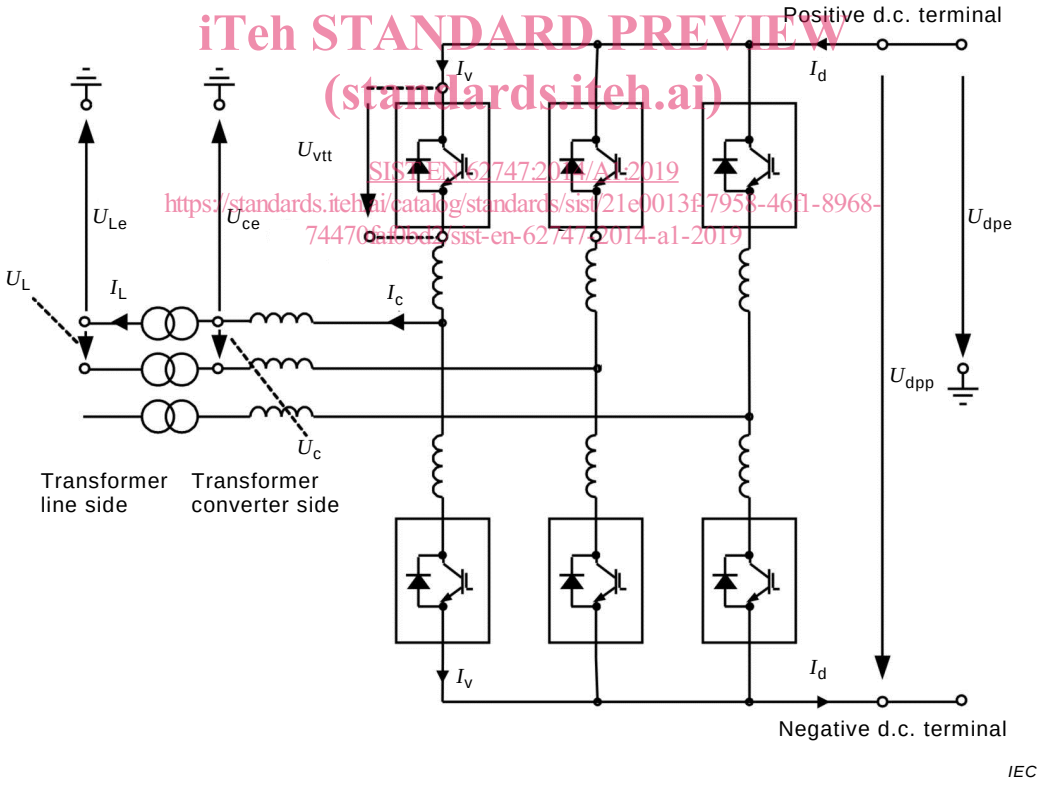
c converter side of interface transformer

v through or across one valve

tt terminal to terminal

Figure 1 – Converter symbol identifications

Replace the existing Figure 1 by the following new figure:



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3.3 List of abbreviations

Replace the existing abbreviation "NGBS" *by* "NBGS".