

INTERNATIONAL STANDARD

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

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- withdrawn,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)*

4.1 General

Add, after the first existing paragraph, the following new paragraph:

The overall uncertainty of the value of losses is an important parameter for a converter and for a converter station since the value of losses is used to compare investment cost to capitalized cost over the life-time of the converter station. To ensure that estimates are undisputed, adherence to the provisions of this standard and the provisions of ISO/IEC Guide 98-3 is indispensable. All measurements shall furthermore be traceable to national and/or international standards of measurement.