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POWER INSTALLATIONS EXCEEDING 1 KV

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
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HD 637 S1

May 1999

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English version

Power installations exceeding 1 kV a.c.

Installations électriques de tensions
nominales supérieures à 1 kV en
courant alternatif

Starkstromanlagen mit
Nennwechselspannungen über 1 kV

This Harmonization Document was approved by CENELEC on 1999-01-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This Harmonization Document was prepared by the Technical Committee CENELEC TC 99X „Power Installations exceeding AC 1 kV (DC 1,5 kV)“.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 637 S1 on 1999-01-01.

During the draft stage this standard was labelled prEN 50179; it is cited under this number in various other European Standards, such as EN 50110-1.

The purpose of this Harmonization Document is to provide, in a convenient form, general requirements for the design and the erection of electrical power installations in systems with nominal voltages above 1 kV a.c.

There are many national laws, standards and internal rules dealing with the matter coming within the scope of this standard and these practices have been taken as a basis for this work.

The standard and its normative and informative annexes identifies installation characteristics which represent the minimum attainable for all CENELEC countries under stated conditions. These characteristics ensure an acceptable reliability of an installation and its safe operation.

The standard is supplemented by an informative annex of A-deviations and a normative annex of Special National Conditions and National Provisions (part of national standards, specifications or practices). These annexes identify, as appropriate, where such minimum attainable characteristics require adjustments to take account of national legislation and/or the local environment.

This concept is believed to be a first decisive step to the gradual alignment in Europe of the practices concerning the design and erection of power installations.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 1999-07-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2000-01-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2001-01-01

Annexes designated “normative” are part of the body of the standard.

Annexes designated “informative” are given for information only.

In this standard, annexes A to G and T are normative and annexes H to S and U are informative.

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