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Vägledning för vattenkraftmaskiner – Montagemetoder och toleranser – Del 1: Allmänt

*Guidance for installation procedures and tolerances of hydroelectric machines –
Part 1: General aspects*

Som svensk standard gäller europastandarden EN IEC 63132-1:2020. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63132-1:2020.

Nationellt förord

Europastandarden EN IEC 63132-1:2020

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63132-1, First edition, 2020 - Guidance for installation procedures and tolerances of hydroelectric machines - Part 1: General aspects**

utarbetad inom International Electrotechnical Commission, IEC.

ICS 27.140.00

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Postadress: Box 1284, 164 29 KISTA
Telefon: 08 - 444 14 00.
E-post: sek@elstandard.se. Internet: www.elstandard.se

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SEK Svensk Elstandard

Box 1284
164 29 Kista
Tel 08-444 14 00
www.elstandard.se

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English Version

Guidance for installation procedures and tolerances of hydroelectric machines - Part 1: General aspects (IEC 63132-1:2020)

Lignes directrices des procédures et tolérances
d'installation des machines hydroélectriques - Partie 1:
Aspects généraux
(IEC 63132-1:2020)

Leitfaden für Installations-Prozeduren und -Toleranzen von
hydroelektrischen Maschinen - Teil 1: Generelle Aspekte
(IEC 63132-1:2020)

This European Standard was approved by CENELEC on 2020-05-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

European foreword

The text of document 4/380/FDIS, future edition 1 of IEC 63132-1, prepared by IEC/TC 4 "Hydraulic turbines" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63132-1:2020.

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) 2021-02-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-25

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Endorsement notice

The text of the International Standard IEC 63132-1:2020 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 60034-1:2017	NOTE	Harmonized as EN 60034-1:— ¹ (not modified)
IEC 60034-7:1992	NOTE	Harmonized as EN 60034-7:1993 (not modified)
IEC 60193:2019	NOTE	Harmonized as EN IEC 60193:2019 (not modified)
IEC 62097:2019	NOTE	Harmonized as EN IEC 62097:2019 (not modified)
IEC 63132-2	NOTE	Harmonized as EN IEC 63132-2
IEC 63132-3	NOTE	Harmonized as EN IEC 63132-3
IEC 63132-4	NOTE	Harmonized as EN IEC 63132-4

¹ To be published. Stage at the time of publication: FprEN 60034-1:2017.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GUIDANCE FOR INSTALLATION PROCEDURES
AND TOLERANCES OF HYDROELECTRIC MACHINES –**
Part 1: General aspects**FOREWORD**

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International Standard IEC 63132-1 has been prepared by IEC technical committee 4: Hydraulic turbines.

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

FDIS	Report on voting
4/380/FDIS	4/390/RVD

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.

A list of all parts in the IEC 63132 series, published under the general title *Guidance for installation procedures and tolerances of hydroelectric machines*, can be found on the IEC website.

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.

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GUIDANCE FOR INSTALLATION PROCEDURES AND TOLERANCES OF HYDROELECTRIC MACHINES –

Part 1: General aspects

1 Scope

The purpose of this part of IEC 63132 is to establish, in a general way, suitable procedures and tolerances for the installation of hydroelectric turbines and generators. This document presents a typical assembly. There are many possible ways to assemble a unit. The size of the machines, design of the machines, layout of the powerhouse and delivery schedule of the components are some of the elements that could result in additional steps, the elimination of some steps and/or assembly sequences.

It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it.

Installations for refurbishment projects or for small hydro projects are not in the scope of this document. An agreement between all parties is necessary.

This document excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation.

The tolerances in this document have been established upon best practices and experience, although it is recognized that other standards specify different tolerances.

Wherever this document specifies that documents, drawings or information is supplied by a manufacturer (or manufacturers), each individual manufacturer will furnish the appropriate information for their own supply only.

2 Normative references

There are no normative references in this document.