

INTERNATIONAL STANDARD

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Guidelines to specification of hydraulic turbine governing systems

Lignes directrices pour la spécification des systèmes de régulation des turbines hydrauliques



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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL
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IEC 61362 has been prepared by IEC technical committee 4: Hydraulic turbines. It is an International Standard.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

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

- a) adoption of parts of IEC 60308:2005 which deal with specification matters;
- b) introduction of several new technical topics;
- c) overall editorial revision.

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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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INTRODUCTION

While a standard for the testing of hydraulic turbine governing systems had been existing for a very long time (IEC 60308 published in 1970)¹, guidelines for the specification of hydraulic turbine governing systems were missing until 1998. The need for such guidelines became more and more urgent with the fast development and the new possibilities especially of the digital components of the governor.

While the first edition was written more or less as a supplement to the already existing guide for testing, the objective of the second edition was to be the leading guide with respect to turbine governing systems.

The second edition of this document took into account the experience with the guide until 2012 as well as the progress in the state of the art of the underlying technologies.

This third edition was developed together with the third edition of the standard for the testing of hydraulic turbine governing systems (IEC 60308) in order to harmonize their contents and their publishing dates.

Furthermore, the standards are kept open for state of the art by introducing new topics and harmonizing the structure as well as the terms and definitions for both standards.

¹ IEC 60308:1970, *International code for testing of speed governing systems for hydraulic turbines*. This publication was withdrawn and replaced with IEC 60308:2005.