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ICS 27.140
CCS P 55

SL

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SL/T 158-2020

Replacing SL 158-2010

Code for model test on flow pressure fluctuation and flow induced vibration of hydraulic structures

水工建筑物水流脉动压力和流激振动模型试验规程

(English Translation)

Issued on: December 15, 2020 **Implemented on: March 15, 2021**

Issued by: Ministry of Water Resources of the People's Republic of China

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1 Foreword

SL/T 158-2020 was issued by Ministry of Water Resources of the People's Republic of China on 15 December 2020 and has been in force since 15 March 2021.

It replaces the earlier edition SL 158-2010.

The SL/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard is applicable to model test of water flow pulsating pressure and flow-induced vibration model test of hydraulic structures. The research of flow-induced vibration can adopt two methods: model test and numerical simulation. In addition to the requirements of this standard, the model tests of water flow pulsating pressure and flow-induced vibration of hydraulic structures should also meet the requirements of current national standards.

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SL/T 158-2020 falls under ICS 27.140, in the field of energy and heat transfer engineering.

This catalogue holds 23 other SL/T standards in that field.

In this catalogue, SL/T standards carry edition years from 1994 to 2026.

3 About this standard

Issued by: Ministry of Water Resources of the People's Republic of China

English translation: about 21 pages

Chinese original: about 32,387 characters

Supersedes the earlier edition SL 158-2010.

4 Related standards

Standards on related subjects:

GB 50788-2012 - Technical code for water supply and sewerage of urban

SL 314-2004 - Design specification for roller compacted concrete dams

SL 282-2003 - Design specification for concrete arch dams

SL/T 631.1-2025 - Construction Quality Acceptance Standards for Unit Projects of Water Conservancy and Hydropower Engineering - Part 1: Earthwork Engineering

SL 159-2012 - Rules for hydraulic model investigation on gate

5 Classification and status

International classification (ICS): 27.140

Chinese Standard Classification (CCS): P 55

Prefix SL/T: recommended standard.

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