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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46150.2-2025

**Boilers and pressure vessels - Part 2: Procedures for fulfilling
the requirements of GB/T 46150.1**

锅炉和压力容器 第2部分：GB/T 46150.1的符合性检查程序要求
(English Translation)

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 Directives for Standardization - Part 1.Rules for the Structure and Drafting of Standardizing Documents.

This Document is Part 2 of GB/T 46150 Boilers and Pressure Vessels. GB/T 46150 published

the following parts.

--- Part 1.Performance Requirements;

--- Part 2.Procedures for Fulfilling the Requirements of GB/T 46150.1.

This Document modifies and adopts ISO 16528-2.2007 Boilers and Pressure Vessels - Part 2.

Procedures for Fulfilling the Requirements of ISO 16528-1.

The technical differences between this Document and ISO 16528-2.2007 and their causes are

as follows.

--- Delete the description of the conformity table published on the ISO/TC 11 website in the conformity procedure, and improve the operability.

--- Add the scope of application has to comply with relevant regulations.

This Document made the following editorial modifications.

--- In order to align with the existing standard, change the standard name into Boilers and Pressure Vessels - Part 2.Procedures for Fulfilling the Requirements of GB/T 46150.1.

Please note some contents of this Document may involve patents. The issuing agency of this

Document shall not assume the responsibility to identify these patents.

This Document was proposed by and under the jurisdiction of National Technical Committee

on Boilers and Pressure Vessels of Standardization Administration of China (SAC/TC 262).

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Institute; Hefei General Machinery Research Institute Co., Ltd.; State Administration for Market Regulation; China Petroleum & Chemical Corporation; CFHI Dalian Nuclear Power and Petrochemical Co., Ltd.; Harbin Boiler Company Limited; Sinopec Engineering Incorporation; and China HuanQiu Contracting & Engineering Co., Ltd. Beijing Branch.

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Boilers and Pressure Vessels - Part 2.Procedures for
Fulfilling the Requirements of GB/T 46150.1

1 Scope

This Document specifies the procedures and standard formats for conformity testing of boiler

and pressure vessel product standards to demonstrate that they meet the performance requirements of GB/T 46150.1-2025.

This Document applies to conformity testing of product standards defined by the performance requirements of GB/T 46150.1-2025.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates

indicated are applicable to this Document; for the undated documents, only the latest version

(including all the amendments) is applicable to this Document.

GB/T 46150.1-2025 Boilers and Pressure Vessels - Part 1.Performance Requirements
(ISO 16528-1.2007, MOD)

NOTE: There are no technical differences between the quoted contents of GB/T 46150.1-2025 and those of ISO 16528-1.2007.

3 Terms and Definitions

For the purposes of this Document the terms and definitions given in GB/T 46150.1 apply.

4 Conformity Testing Procedures

This Document provides a detailed description and expansion of the performance requirements

of GB/T 46150.1 by refining the following two criteria.

- a) In Clause 7 of GB/T 46150.1-2025, regarding requirements need to consider the failure modes.
- b) In Clause 8 of GB/T 46150.1-2025, regarding technical requirements; and in Clause 9, regarding qualification evaluation requirements.

Conformity testing shall be performed in accordance with the conformity table given in Clause

5.

5.2 Table 1 lists the main failure modes specified in subclause 7.3 of GB/T 46150.1-2025.At a

minimum, the table shall clearly indicate whether the reviewed standard considers a particular

failure mode; or whether it only identifies a failure mode without providing detailed specifications.

7.3 of GB/T 46150.1- 2025, an explanation shall be provided regarding the scope or application

limitations of the standard relative to the unconsidered failure modes.

5.4 In addition to the failure modes given in subclause 7.3 of GB/T 46150.1-2025, if the

reviewed standard considers one or more failure modes listed in subclause 7.2 of GB/T 46150.1-2025, they shall be listed in the "additional failure modes" of Table 1, with the same requirements as in 5.2.

5.5 Table 2 lists the rules and requirements that directly affect the failure modes considered in

the review standard (each failure mode identified in Table 1). The footnotes in Table 2 provide

guidance on the requirements of each part of the table.

5.6 Table 3 lists the specific clauses and requirements of the review standard corresponding to

each technical requirement of GB/T 46150.1-2025.

Table 1 -- Summary table of the failure modes

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