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

GB/T 17505-2016

**Steel and steel products -- General technical delivery
requirements
(English Translation)**

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 17505-1998 Steel and Steel Products - General Technical Delivery Requirements.

Compared with GB/T 17505-1998, the main technical changes are as follows.

- changed the name of standard to "Steel and steel products - General technical delivery requirements";
- moved "This Standard must be used together with other technical standards; it cannot be used for ordering" from "Foreword" to "Scope" (see NOTE in Clause 1 of this edition; Foreword of 1998 edition);
- deleted terms and definition, relevant requirements of continuous inspection (see 3.3, 8.1.2 of 1998 edition);
- added terms and definitions for "manufacturer" and "intermediary";

defined the respective rights and obligations (see 3.14, 3.15, 6.4 of this edition);

- modified the definition of "inspection representative" as well as its relevant rights and obligations (see 3.6, 8.3.1.3 of this edition; 3.5, 8.3.1.3 of 1998 edition);

- modified the definition of "cast analysis"; added relevant instructions and general provisions on methods for chemical analysis (see 3.11, 7.2 of this edition; 3.12, 7.2 of 1998 edition);

- modified the name of Clause 4 from "Ordering content" to "Ordering information provided by user" (see Clause 4 of this edition);

- modified requirements for "intermediary" (see Clause 6 of this edition);

- specified requirements for "inspection documents" and "quality certificate" (see 6.1, Clause 8 of this edition);

- supplemented with relevant surface quality inspection standards (see NOTE in 7.4.1.2 of this edition; 7.4.1 of 1998 edition);

- added requirements for "welding repair" (see 7.4.4.1 of this edition; 7.4.4 of 1998 edition);

- added requirements for protection of "safety and health" (see 7.1 of this edition; 7.1 of 1998 edition);

- modified "ordering content" (see 8.3.1.1 of this edition; 8.3.1.1 of 1998 edition);

- modified "the composition of test unit" (see 8.3.2.1 of this edition; 8.3.2.1 of 1998 edition);

- added preparation requirements for sample (see 8.3.3.1 of this edition;

8.3.3.1 of 1998 edition);

- modified "rounding of test results" (see 8.5 of this edition; 8.5 of 1998 edition);

- added "Technical differences and reasons between this Standard and ISO

404.2013" (see Annex A of this edition);

- added "common standards for other test methods of steel products" (see

8.3.4.1.4 and Bibliography of this edition).

This Part uses redrafting method to modify and adopt ISO 404.2013 Steel and steel products - General technical delivery requirements.

This Standard is basically consistent with ISO 404.2013. However, when using ISO 404.2013, in content, it made modification by combining China's national conditions. Relevant technical differences have been incorporated into the body and marked on the margin of the involved provisions. The technical differences and reasons are given in Annex A for reference.

This Standard was proposed by China Iron and Steel Association.

This Standard shall be under the jurisdiction of National Technical Committee on Steel of Standardization Administration of China (SAC/TC 183).

The drafting organization of this Standard. China Metallurgical Information & Standardization Institute.

Main drafters of this Standard. Luan Yan, Dai Qiang, Yan Chengming.

The previous version replaced by this Standard is as follows.

- GB/T 17505-1998.

Steel and steel products -

General technical delivery requirements

1 Scope

This Standard specifies general technical delivery requirements for steel and steel products contained in GB/T 15574 (excluding steel and powder metallurgy products).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated

references, the latest edition of the referenced document (including any amendments) applies.

GB/T 1467 Method for chemical analysis of metallurgy product - General rules and regulations

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 13304.1, GB/T 13304.2 and GB/T 15574 and the following terms and definitions apply.

before delivery, according to the technical requirements of contract, conduct the inspection and testing for delivered products or partial products so as to verify if they meet the contract's requirements

4 Ordering information provided by user

The contract shall include all content required to describe the product characteristics and the following details about delivery.

5 Manufacturing process

Unless there is an agreement at the time of order or as otherwise specified in the product standard, the manufacturing process shall be selected by the manufacturer.

6 Supply by intermediary

If the intermediary changes the product size, it shall provide an additional document which is in line with the new state. It is also applicable to all special requirements not contained in manufacturer's inspection document or quality certificate.

7 Requirements

Unless otherwise specified that it is product analysis, the requirements related to chemical composition all refer to cast analysis. The analysis method shall