

ICS 25.160.10
CCS J 33



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

GB/T 19866-2005

**Specification and qualification of welding procedures for
metallic materials -- General rules
(English Translation)**

Issued on: August 10, 2005

Implemented on: April 1, 2006

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

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Foreword

This Standard identically adopts ISO 15607.2003 "Specification and qualification of welding procedures for metallic materials - General rules" (English version).

In order to ensure the standard coordination and operability, this Standard makes the necessary editorial changes in the equivalent of the translation of the international standard.

Compared with ISO 15607, this Standard made the following changes in the content.

- directly used the definitions of GB/T 3375;
- deleted the clause of "Abbreviations" in ISO 15607, added the abbreviations in relevant terms;
- the process specifications for different welding methods shall be specified by the ISO 15609 series of standards; this series of standards is being drafted. In order to ensure the operability of the standard, this Standard does not specify the format requirements for the welding procedure.

This Standard shall be issued for the first time.

Annex A, Annex B, Annex C of this Standard are informative.

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Welding of Standardization Administration of China.

Main drafting organizations of this Standard. Harbin Welding Research Institute, Harbin Welding Technology Training Center.

Main drafters of this Standard. Piao Dongguang, Wang Lin, Qian Qiang.

Specification and qualification of welding
procedures for metallic materials - General rules

1 Scope

This Standard defines general rules for the specification and qualification of welding procedures.

This Standard is applicable to manual, mechanized and automatic welding.

2 Normative references

The following standards contain the provisions which, through reference in this Standard, constitute the provisions of this Standard. For dated references, subsequent amendments (excluding corrections) or revisions do not apply to this Standard. However, the parties who enter into agreement based on this Standard are encouraged to investigate whether the latest versions of these documents are applicable. For undated reference documents, the latest versions apply to this Standard.

GB/T 3375, Welding terminology

GB/T 5185, Welding and allied processes - Nomenclature of processes and reference numbers

GB/T 19867.1, Welding procedure specification for arc welding

GB/T 19868.1, Welding procedure qualification based on tested welding consumables

GB/T 19868.2, Welding procedure qualification based on previous welding experience

GB/T 19868.3, Welding procedure qualification by adoption of a standard

welding procedure

GB/T 19868.4, Welding procedure qualification based on pre-production

welding test

GB/T 19869.1, Welding Procedure Qualification Test for Steels, Nickel and
Nickel Alloys

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