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

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**Qualification test of welding operators
(English Translation)**

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Foreword

This Standard identically adopts ISO 14732.1998 "Welding personnel - Approval testing of welding operators for fusion welding and of resistance weld setters for fully mechanized and automatic welding of metallic materials" (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 14732.1998, this Standard has the following changes in the content.

- directly used the definitions of GB/T 3375 "Welding terminology" for "fully mechanized welding" and "automatic welding";
- the term "welding operator" has a broader meaning and includes resistance weld setter;
- in view of the fact that several normative references in ISO 14732 are being revised, this Standard has been dealt with in the corresponding provisions in light of the actual situation in China.

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, Qian Qiang.

Qualification test of welding operators

1 Scope

This Standard specifies requirements for approval of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding processes of metallic materials. Only welding operators/resistance weld setters responsible for the setting up and/or adjustment during welding have to be approved. Personnel exclusively performing the programming of the welding unit or operation of the welding unit do not need any particular approval. This Standard is applicable when approval testing of operators/resistance weld setters is required by the contract or by the application standard.

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

3 Terms and definitions

For the purposes of this document, in addition to the relevant terms of GB/T 3375, the following terms and definitions also apply.

3.1 function test.

Test of a welding unit set-up in accordance with a Welding Procedure Specification (WPS).

3.2 pre-production welding test.

Welding test having the same function as a welding procedure test, but based on a non-standard test piece, simulating production conditions.

3.3 production test.

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