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

GB/T 30563-2014

**Qualification test of welders -- Fusion welding for copper and
copper alloys**

铜及铜合金熔化焊焊工技能评定

(English Translation)

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Foreword

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

This standard uses redrafted Law Amendment uses ISO 9606-3:1999 "welders - Fusion welding - Part 3. Copper and copper alloys" (In English).

This standard and ISO 9606-3:1999 and its main technical difference between the following reasons.

--- Increasing the recommended format welder qualification certificates, welders approval mark, certificate extension to be confirmed and the content of copper and copper alloy materials Classification guidelines, and give in order to operate in the form of appendices;

--- Unified regulations of the main parameters of welders and the scope of accreditation, and the recognition of the scope of the base metal and welding position were necessary adjustments Whole, making it more clear, specific, reasonable, easy to use;

--- The ISO 9606-3:1999 European Standard quoted in accordance with the actual situation

of our country have been adjusted. Terminology, definitions, Welding Technology Procedures, non-destructive inspection and destructive testing methods - Part of the appropriate standards in place, easy to perform.

This standard by the National Standardization Technical Committee welded (SAC/TC55) and focal points.

This standard was drafted. Harbin Welding Institute, Harbin Welding Machinery Industry Training Center, Fujian Industrial equipment installed Ltd., Shandong Matt heavy machine Co., Ltd., Dalian Huarui Heavy Industry Co., Ltd. of special spare parts.

1 Scope

This standard specifies the method of welders for fusion welding of copper and copper alloy of.

This standard applies to manual welding method of operation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2653 welded joint bending test method (GB/T 2653-2008, ISO 5173:2000, IDT) GB/T 3323 metal fusion welded joints radiography GB/T 3375 Welding terminology GB/T 5185 Welding and allied processes Method Code (GB/T 5185-2005, ISO 4063:1998, IDT) GB/T 16672 Weld tilt and swivel working position definitions (GB/T 16672-1996, ISO 6947:1993, IDT) GB/T 19866 welding procedures and general assessment principles (GB/T 19866-2005, ISO 15607:2003, IDT) GB/T 19867.1 arc welding procedure specification (GB/T 19867.1-2005, ISO 15609-1:2004, IDT) GB/T 22087-2008 aluminum and aluminum alloy welding joint quality levels for imperfection (GB/T 22087-2008, ISO 10042.

2005, IDT)

GB/T 26955 Destructive tests on welds in metallic materials weld macroscopic and microscopic examination (GB/T 26955-2011, ISO 17639.

2003, MOD)

GB/T 27551 Destructive tests on welds in metallic materials fracture test (GB/T 27551-2011, ISO 9017:2001, IDT) Melting ISO 17637 Non-destructive testing of welds welding head visual inspection (Non-destructivetestingofwelds-Visual testingoffusion-weldedjoints) ISO/T R15608 welding of metallic materials classified directory (Welding-Guidelinesfora metalicmaterials groupingsystem)

3 Terms and Definitions

GB/T 3375, the terms and definitions GB/T 19866 apply to this document defined.

4.1 Overview

When completing welder qualification certificate, use the following symbols and abbreviations.

4.2 Specimen

a --- seam thickness is calculated;

BW --- butt weld;