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Ultrasonic examination for arc welded steel pipes

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Iron and Steel Federation (JISF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS G 0584**:2004 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Ultrasonic examination for arc welded steel pipes

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 10893-11** published in 2011 with some modifications of the technical contents.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the automatic or manual ultrasonic examination on the welds of carbon steel pipes and ferritic alloy steel pipes (hereafter, referred to as "steel pipes") whose internal and external surfaces are arc welded automatically in longitudinal direction or in spiral state, and which are 350 mm or over in outside diameter and 6 mm or over in wall thickness. Usually, this is applicable to the examination of flaws oriented parallel to the weld line.

NOTE 1 For the detection of flaws oriented perpendicular to the weld line, this Standard is usually applicable upon the agreement between the purchaser and the manufacturer.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 10893-11:2011 *Non-destructive testing of steel tubes—Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections* (MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 0202 *Glossary of terms used in iron and steel (Testing)*

JIS G 0203 *Glossary of terms used in iron and steel (Products and quality)*

JIS G 0431 *Steel products—Employer's qualification system for non-destructive testing (NDT) personnel*

NOTE : Corresponding International Standard: ISO/FDIS 11484.2:2008 *Steel products—Employer's qualification system for non-destructive testing (NDT) personnel* (MOD)