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Non-destructive testing of welded joints—Methods of radiographic testing for X- and gamma-ray techniques with digital detectors

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by The Japan Welding Engineering Society (JWES) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Non-destructive testing of welded joints— Methods of radiographic testing for X- and gamma-ray techniques with digital detectors

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 17636-2:2013**, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies radiographic testing of metallic welds using X- and gamma-ray techniques with digital detectors. When the digital radiography is applied, its similarity to and difference from the film radiography, which are detailed in Annex JA, should be paid attention to.

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

ISO 17636-2:2013 *Non-destructive testing of welds—Radiographic testing—Part 2: X- and gamma-ray techniques with digital detectors* (MOD)

In addition, 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 Z 2300 *Terms and definitions of nondestructive testing*

JIS Z 2305 *Non-destructive testing—Qualification and certification of NDT personnel*

NOTE Corresponding International Standard: ISO 9712 *Non-destructive testing—Qualification and certification of NDT personnel* (MOD)

JIS Z 2306 *Radiographic image quality indicators for non-destructive testing*

JIS Z 2307 *Determination of the image unsharpness value using duplex wire-type image quality indicators*

NOTE Corresponding International Standard: ISO 19232-5 *Non-destructive testing—Image quality of radiographs—Part 5: Determination of the image unsharpness value using duplex wire-type image quality indicators* (MOD)