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**Non-destructive testing—
Eddy current testing—
Part 1: General principles**

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

This translation has been made based on the original Japanese Industrial Standard 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 Japanese Society for Non-Destructive Inspection (JSNDI)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently **JIS G 0568**:2006 has been withdrawn and replaced with this Standard. This **JIS** document is protected by the Copyright Law.

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.

JIS Z 2316 series consists of the following four parts under the general title “*Non-destructive testing—Eddy current testing*”:

Part 1: General principles

Part 2: Instrument characteristics and verification

Part 3: Probe characteristics and verification

Part 4: System characteristics and verification

Non-destructive testing—Eddy current testing—Part 1: General principles

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 15549** published in 2008 with some modifications of the technical contents.

The portions with 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 defines the general principles of the eddy current testing to be applied to products and materials in order to ensure defined and repeatable performances.

This Standard includes the guidelines for the preparation of relevant documents which describe the specific requirements for the eddy current testing to be applied to particular products.

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

ISO 15549:2008 *Non-destructive testing—Eddy current testing—General principles* (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 0431 *Steel products—Employer's qualification system for non-destructive testing (NDT) personnel*

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 2316-2 *Non-destructive testing—Eddy current testing—Part 2: Instrument characteristics and verification*

JIS Z 2316-3 *Non-destructive testing—Eddy current testing—Part 3: Probe characteristics and verification*