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**Welding and allied processes—
Vocabulary—Part 1: General**

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Foreword

This Japanese Industrial Standard has been 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 Welding Engineering Society (JWES) 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 Z 3001-1:2013** is replaced with this Standard.

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JIS Z 3001 series consists of the following 7 parts under the general title “*Welding and allied processes—Vocabulary*”:

Part 1: General

Part 2: Welding processes

Part 3: Soldering and brazing

Part 4: Imperfections in welding

Part 5: Laser welding

Part 6: Resistance welding

Part 7: Arc welding

Welding and allied processes— Vocabulary—Part 1: General

Introduction

JIS Z 3001 was first established in 1958, and then replaced with a standard series consisting of four parts, **JIS Z 3001-1** to **JIS Z 3001-4**, in 2008.

This Japanese Industrial Standard was last revised in 2013, and has been revised at this time as part of the overall reconstruction of the **JIS Z 3001** standard series.

There is currently no International Standard corresponding to this Standard; however, the 2016 edition of **ISO/TR 25901-1** has been referred to in drafting of this Standard.

1 Scope

This Standard contains general and basic terms and definitions that are applicable to welding and allied processes. It does not contain terms and definitions related to specific processes and particular aspects of welding and applied processes that are covered in Parts 2 to 7 of the standard series.

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 3001-2 *Welding and allied processes—Vocabulary—Part 2: Welding processes*

JIS Z 3001-4 *Welding and allied processes—Vocabulary—Part 4: Imperfections in welding*

JIS Z 3001-6 *Welding and allied processes—Vocabulary—Part 6: Resistance welding*

JIS Z 3001-7 *Welding and allied processes—Vocabulary—Part 7: Arc welding*

3 Classification

Terms are classified according to the following aspects.

- a) General
- b) Test
- c) Safety and hygiene
- d) Arc welding
- e) Resistance welding
- f) Other welding
- g) Gas welding and thermal cutting