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**Welding and allied processes—
Vocabulary—Part 7: Arc welding**

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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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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 7: Arc welding

Introduction

This Japanese Industrial Standard has been established to provide definitions of terms specifically related to arc welding, which used to be divided over Part 1 and Part 2 in the **JIS Z 3001** series established in 2008. The establishment of this Standard has been undertaken 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 25901-4** has been referred to in drafting of this Standard.

1 Scope

This Standard contains terms and definitions applicable to arc welding.

2 Normative reference

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

JIS Z 3001-1 *Welding and allied processes—Vocabulary—Part 1: General*

3 Classification

Terms are classified according to the following aspects.

- a) Basic aspects of welding
- b) Welding processes
- c) General matters of welding execution
- d) Welding consumables
- e) Welding equipment

4 Terms and definitions

NOTE 1 Parentheses attached after the Japanese terms contain the readings of kanji characters that are difficult to read.

NOTE 2 Parentheses attached before the Japanese terms contain modifiers with or without which the term concerned can be used; however, the terms without the modifiers in parentheses are preferred.

NOTE 3 The rightmost column contains in its heading the number of **ISO/TR** which has been referred to, and in the rows below, the numbers of relevant clauses or sub-clauses in that **ISO/TR** that correspond to respective terms. Where other **ISO/TR** than indicated in the heading or an **ISO** Standard has been referred to, parentheses are given after the clause or