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**Steels — Determination of depth of
decarburization**

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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 Iron and Steel Federation (JISF) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 0558:2007**), which has been technically revised.

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Steels — Determination of depth of decarburization

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 3887** : 2017, Edition 3, 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 JA.

1 Scope

This Standard specifies the method for determining the depth of decarburization of steel materials.

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

ISO 3887 : 2017 *Steels — Determination of the depth of decarburization* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 0201 *Glossary of terms used in iron and steel (Heat treatment)*

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

JIS G 1211-3 *Iron and steel — Determination of carbon — Part 3 : Infrared absorption method after combustion*

JIS G 1211-4 *Iron and steel — Determination of carbon content — Part 4 : Infrared absorption method after combustion in a furnace with preheating or peak separating*

JIS G 1253 *Iron and steel — Method for spark discharge atomic emission spectrometric analysis*

JIS K 0144 *Surface chemical analysis — Glow discharge optical emission spectrometry (GD-OES) — Introduction to use*

NOTE Corresponding International Standard : **ISO 14707** *Surface chemical analysis — Glow discharge optical emission spectrometry (GD-OES) —*