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**Cold-rolled non-oriented electrical
steel strip and sheet delivered in
the fully-processed state**

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 The Japan Electrical Manufacturers' Association (JEMA)/Japanese Standards Association (JSA) 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 C 2552**:2000 is replaced with this Standard.

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Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **IEC 60404-8-4** published in 2013 with some modifications of the technical contents to correspond to the mainstream technique in Japan.

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 JB.

1 Scope

This Standard defines the grades of cold-rolled non-oriented electrical steel strip and sheet with insulation on both sides in nominal thicknesses of 0.35 mm, 0.47 mm, 0.50 mm, 0.65 mm and 1.00 mm (hereafter referred to as “steel strip”). In particular, it gives general requirements, magnetic properties, geometric characteristics, tolerances, technological characteristics, as well as inspection procedures.

This Standard applies to steel strips supplied in the fully annealed condition (hereafter referred to as “fully-processed state”) in sheets or coils intended for the construction of magnetic circuits.

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

IEC 60404-8-4:2013 *Magnetic materials—Part 8-4: Specifications for individual material—Cold-rolled non-oriented electrical steel strip and sheet delivered in the fully-processed state* (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 C 2550-1 *Test methods for electrical steel strip and sheet—Part 1: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame*

NOTE : Corresponding International Standard: IEC 60404-2 *Magnetic materials—Part 2: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame* (MOD)