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**International Electrotechnical
Vocabulary—
Part 815 : Superconductivity**

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Reference number : **JIS H 7005 : 2005 (E)**

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 Japanese Industrial Standard submitted by International Superconductivity Technology Center (ISTEC)/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 H 7005**:1999 is replaced with this Standard.

This revision has been made based on **IEC 60050-815**:2000 *International Electrotechnical Vocabulary—Part 815: Superconductivity* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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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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International Electrotechnical Vocabulary—Part 815 : Superconductivity

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **IEC 60050-815** *International Electrotechnical Vocabulary—Part 815: Superconductivity* published in 2000 with some modifications of the technical contents.

The terms and definitions given sidelines are not included in the said edition of the International Standard and will be added in the next revision.

All the descriptions in “Information” are not included in the original International Standard. They have been added in this Standard for explanatory purposes.

1 Scope This Standard specifies main terms and definitions related to superconductivity materials.

Remarks 1 The International Standard corresponding to this Standard is as follows.

In addition, 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**.

IEC 60050-815:2000 *International Electrotechnical Vocabulary—Part 815: Superconductivity* (MOD)

2 The numbering of terms is in accordance with **IEV 815**.

3 If more than one terms are given for one definition, the priority of use is given in the order of appearance.

4 The terms (English equivalents included) may be used with or without the bracketed words.

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 H 7301 *Superconductivity—Test method—Part 1: Critical current—Section 1: DC critical current of Cu/Nb-Ti composite superconductors*

Remarks : **IEC 61788-1**:1998 *Superconductivity—Part 1: Critical current measurement—DC critical current of Cu/Nb-Ti composite superconductors* is identical with the said standard.

JIS H 7302 *Superconductivity—Part 2: Critical current measurement—DC critical current of Nb₃Sn composite superconductors*

Remarks : **IEC 61788-2**:1999 *Superconductivity—Part 2: Critical current measurement—DC critical current of Nb₃Sn composite superconductors* is identical with the said standard.