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In the event of any doubts arising as to the contents,
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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 Japanese Industrial Standard submitted by Japan Bicycle Promotion Institute (JBPI)/ 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 9502:2008** is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Lighting equipment for bicycles

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 6742-1** published in 1987 by incorporating the part corresponding to this Standard [luminous intensity distribution characteristics (Test method 1), maintenance of dynamo output, and environmental performance] without any modifications of the technical contents, and by adding some specification contents that are not given in the said corresponding International Standard [luminous intensity distribution characteristics (Test method 2), operation characteristics test, shock resistance, cyclic temperature change performance, plating or painting, construction and appearance].

The portions given sidelines or 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 JA.

1 Scope

This Standard specifies the lighting equipment mounted on bicycles specified in **JIS D 9111** (hereafter referred to as “lighting equipment”).

This Standard does not apply to electric power assisted cycles which use batteries both for driving a power assisting system and for powering a head lamp and rear lamp. However, items which can be tested solely with a head lamp and a rear lamp may apply.

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

ISO 6742-1:1987 *Cycles—Lighting and retro-reflective devices—Photometric and physical requirements—Part 1: Lighting equipment* (MOD)

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 21-1**.

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 1102-2 *Direct acting indicating analogue electrical measuring instruments and their accessories Part 2: Special requirements for ammeters and voltmeters*

JIS C 1609-1 *Illuminance meters Part 1: General measuring instruments*

JIS C 7510 *Incandescent lamps for bicycle dynamo lamps*

JIS C 8513 *Safety of primary lithium batteries*

JIS C 8515 *Primary batteries—Physical and electrical specifications*

JIS C 8708 *Sealed nickel-metal hydride rechargeable single cells*