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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 Japan Bicycle Promotion Institute (JBPI)/Japanese Standards Association (JSA) 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 C 9502 : 2014), which has been technically revised.

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Lighting equipment for bicycles

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 6742-1** : 2015, Edition 3, **ISO 6742-3** : 2015, Edition 1, **ISO 6742-4** : 2015, Edition 1 and **ISO 6742-5** : 2015, Edition 1 by incorporating the parts corresponding to this Standard [luminous intensity distribution characteristic of head lamp (low beam and high beam), output characteristics, environmental performances] without any modifications of the technical contents, but also adding some **JIS** specification contents [luminous intensity distribution characteristic (general purpose beam) for head lamp, shock resistance, cyclic temperature change performance, construction and appearance] that are not given in the said corresponding International Standards.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JB.

1 Scope

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

For electric power assisted cycles which use batteries both for driving a power assisting system and for powering a head lamp and rear lamp, this Standard is applicable to the items which can be tested only with a head lamp and a rear lamp.

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

ISO 6742-1 : 2015 *Cycles — Lighting and retro-reflective devices — Part 1 : Lighting and light signalling devices*

ISO 6742-3 : 2015 *Cycles — Lighting and retro-reflective devices — Part 3 : Installation and use of lighting and retro-reflective devices*

ISO 6742-4 : 2015 *Cycles — Lighting and retro-reflective devices — Part 4 : Lighting systems powered by the cycle's movement*

ISO 6742-5 : 2015 *Cycles — Lighting and retro-reflective devices — Part 5 : Lighting systems not powered by the cycle's movement* (overall evaluation : 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,