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**Acoustics—Description and
measurement of environmental
noise**

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In the event of any doubts arising as to the contents,
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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 Acoustical Society of Japan (ASJ)/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 Z 8731:1999** is replaced with this Standard.

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Acoustics—Description and measurement of environmental noise

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 1996-1:2016**, Edition 3, and **ISO 1996-2:2017**, Edition 3, with deletion of the methods of environmental noise description and measurement which are yet to be established in Japan, including: method of correction for difference in sound source, correction for pure sound element, impulsive element, etc., social survey on noise annoyance, and measurement uncertainties. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JL.

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 JK. Annexes JA to JL are unique to **JIS** and not given in the corresponding International Standards.

1 Scope

This Standard defines the basic quantities to be used for the description of environmental noise and describes basic assessment procedures.

Environmental noise refers to (undesired) noise in general living environment.

NOTE 1 Annexes JA and JB provide outlines of provisions of **JIS C 1509-1** regarding frequency weightings A and C, and time weightings F and S that are used as a basis for environmental noise assessment.

NOTE 2 Annexes JC to JJ provide outlines of measuring methods for different types of noise sources that are actually used in Japan to assess environmental noise in accordance with the relevant laws and regulations such as the Noise Regulation Act and the Basic Environment Act.

NOTE 3 The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1996-1:2016 *Acoustics—Description, measurement and assessment of environmental noise—Part 1: Basic quantities and assessment procedures*

ISO 1996-2:2017 *Acoustics—Description, measurement and assessment of environmental noise—Part 2: Determination of sound pressure levels*
(Overall evaluation: 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.