AS 1217—1972
UDC 534.61:534.837

Australian Standard 1217—1972

METHODS OF MEASUREMENT OF AIRBORNE SOUND EMITTED BY MACHINES

METRIC UNITS

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

e

THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Acoustical Society

Associated Chambers of Manufactures of Australia

Commonwealth Acoustic Laboratories

Commonwealth Experimental Building Station

CSIRO Division of Building Research

Defence Standardization Committee

Department of Civil Aviation

Metal Trades Industry Association of Australia

New South Wales Department of Mines

Postmaster-General's Department

Universities

This standard, prepared by Acoustics Committee AK/2, Instrumentation and Techniques for Measurement, was approved on behalf of the Council of the Standards Association of Australia on 12 November 1971.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the headquarters of the Association, are welcomed.

This standard was issued in draft form for public review as Doc. 1239.

AUSTRALIAN STANDARD

METHODS OF MEASUREMENT OF AIRBORNE SOUND EMITTED BY MACHINES

AS 1217—1972

First published 1972

Registered in Australia for transmission by post as a book.

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST., NTH SYDNEY, N.S.W.

PREFACE

This standard was prepared by the Association's Acoustics Committee on Instrumentation and Techniques for Measurement.

In its terminology, definitions and general treatment of the subject, this standard is similar to publications issued by the International Organization for Standardization (ISO), the British Standards Institution and the American National Standards Institute.

Grateful acknowledgment is made of the assistance received from the above sources; in particular, account was taken of the following documents:

ISO/R131, Expression of the Physical and Subjective Magnitudes of Sound or Noise.

ISO/R495, General Requirements for the Preparation of Specifications for Measuring Sound Emitted by Machines.

BS 4196, Guide to the Selection of Methods of Measuring Noise Emitted by Machinery.

ANSI S1.2, American Standard Method for the Physical Measurement of Sound.

This standard requires reference to:

AS Z37 Sound Level Meters Type 1—General Purpose.

AS Z38 Sound Level Meters Type 2—Precision.

AS Z41 Octave, Half Octave and One-third Octave Band Pass Filters.

AS Z44 Expression of the Power and Intensity Levels of Sound or Noise.

CONTENTS