

AS/NZS 13818.3:1999
ISO/IEC 13818.3:1998

Australian/New Zealand Standard™

**Information technology—
Generic coding of moving pictures
and associated audio information**

Part 3: Audio

AS/NZS 13818.3:1999

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT/1, Information Systems—Interconnection. It was approved on behalf of the Council of Standards Australia on 16 February 1999 and on behalf of the Council of Standards New Zealand on 18 February 1999. It was published on 5 May 1999.

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Australian/New Zealand Standard™

**Information technology—
Generic coding of moving pictures
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Part 3: Audio

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT/1, Information Systems—Interconnection, to supersede AS/NZS 13818.3:1997. It is identical with, and has been reproduced from, ISO/IEC 13818-3:1998, *Information technology—Generic coding of moving pictures and associated audio information*, Part 3: *Audio*.

The objective of this Standard is to provide designers of video and audio compression systems with a specification for the coded representation of multichannel and multilingual high quality audio for broadcasting, transmission and storage media, and the method for decoding of multichannel and multilingual high quality audio signals.

This Standard is Part 3 of AS/NZS 13818, *Information technology—Generic coding of moving pictures and associated audio information*, which is published in parts as follows:

- Part 1: Systems
- Part 2: Video
- Part 3: Audio

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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<i>Reference to International Standard or other Publication</i>	<i>Australian or Australian/New Zealand Standard</i>
IEC 908 Compact disk digital audio system	AS 3738 Compact disc digital audio system
ISO/IEC 11172 Information technology—Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s	AS/NZS 4230 Information technology—Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s
11172-3 Part 3: Audio	4230.3 Part 3: Audio
CCIR Recommendation 601, Encoding parameters of digital television for studios	—
Recommendation 648, Recording of audio signals	—
Recommendation 775, Multichannel stereophonic sound system with and without accompanying picture	—

CCIR	AS
Report 955, Sound broadcasting by satellite for portable and mobile receivers, including Annex IV Summary description of Advanced Digital System II	—
ETS	
300 401, Radio Broadcasting system; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers	—
IEEE	
Draft Standard P1180/D2, Specification for the implementation of 8×8 inverse discrete cosine transform	—
ITU-T	
Recommendation G.722, 7kHz audio coding within 64 kbit/s	—
Recommendation J.52, Digital Transmission of High Quality Sound Programme Signals Using One, Two or Three 64 kbit/s Channels per Mono Signal (and up to Six per Stereo Signal)	—

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AUSTRALIAN/NEW ZEALAND STANDARD

Information technology — Generic coding of moving pictures and associated audio information —**Part 3:****Audio****Section 1: General****1.1 Scope**

This part of ISO/IEC 13818 specifies the extension of ISO/IEC 11172-3 to lower sampling frequencies, the coded representation of multichannel and multilingual high quality audio for broadcasting, transmission and storage media, and the method for decoding of multichannel and multilingual high quality audio signals. The input of the encoder and the output of the decoder are compatible with existing PCM standards.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 13818. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 13818 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 11172-3: 1993, *Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 3: Audio*.

CCIR Recommendation 601-1: 1990, *Encoding parameters of digital television for studios*.

CCIR Recommendation 648: 1986, *Recording of audio signals*.

CCIR Recommendation 775: 1992, *Multichannel stereophonic sound system with and without accompanying picture*.

CCIR Report 955-2: 1990, *Sound broadcasting by satellite for portable and mobile receivers, including Annex IV Summary description of Advanced Digital System II*.

IEC 908: 1987, *Compact disc digital audio system*.

IEEE Draft Standard P1180/D2: 1990, *Specification for the implementation of 8x 8 inverse discrete cosine transform*.

ITU-T Recommendation G.722: 1988, *7 kHz audio coding within 64 kbit/s*.

European Telecommunication Standard pr ETS 300 401: 1995, *Radio Broadcasting system; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers*.

ITU-T Recommendation J.52: 1995, *Digital Transmission of High Quality Sound Programme Signals Using One, Two or Three 64 kbit/s Channels per Mono Signal (and up to Six per Stereo Signal)*.

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