

Australian/New Zealand Standard™

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

**Part 10: Conformance extensions for  
Digital Storage Media Command and  
Control (DSM-CC)**

## **AS/NZS 13818.10:2002**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee IT-001, Information Systems—Interconnections. It was approved on behalf of the Council of Standards Australia on 23 August 2002 and on behalf of the Council of Standards New Zealand on 20 August 2002. It was published on 17 December 2002.

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT-001, Information Systems—Interconnections. This Standard is identical with and has been reproduced from ISO/IEC 13818-10:1999, *Information technology—Generic coding of moving pictures and associated audio information*, Part 10: *Conformance extensions for Digital Storage Media Command and Control (DSM-CC)*.

The objective of this Standard is to define compliance to Data Storage Media Command and Control (DSMCC) Standard in 2 steps: the static review and the dynamic review defined in ISO/IEC 9046 Conformance Testing Standard (1, 2, 3).

This Standard is Part 10 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
- Part 4: Conformance testing
- Part 5: Software simulation
- Part 6: Extensions for DSM-CC
- Part 7: Advanced audio coding
- Part 9: Extension for real time interface for systems decoders
- Part 10: Conformance extensions for digital storage media command and control (this Standard)

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO/IEC		AS/NZS	
9646	Information technology—Open Systems Interconnection—Conformance testing methodology and framework	4103	Information technology—Open Systems Interconnection—Conformance testing methodology and framework
9646-1	Part 1: General concepts	4103.1	Part 1: General concepts
9646-2	Part 2: Abstract Test Suite Specification	4103.2	Part 2: Abstract test suite specification
9646-7	Part 7: Implementation Conformance Statements	—	
13818	Information technology—Generic coding of moving pictures and associated audio information	13818	Information technology—Generic coding of moving pictures and associated audio information
13818-6	Part 6: Extensions for DSM-33	13818.6	Part 6: Extensions for DSM-33

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AUSTRALIAN/NEW ZEALAND STANDARD

## Information technology – Generic coding of moving pictures and associated audio information –

### Part 10:

## Conformance extensions for Digital Storage Media Command and Control (DSM-CC)

### 1 Scope

This part of ISO/IEC 13818 defines compliance to Data Storage Media Command and Control (DSMCC) standard in 2 steps: the static review and the dynamic review as defined in ISO/IEC 9646 Conformance Testing standard [1, 2, 3]. The static review requirements are specified in clause 4 of this part of ISO/IEC 13818 in the form of Protocol Implementation Conformance Statement (PICS) proforma. The ATS used for dynamic review is described in clause 5.

This part of ISO/IEC 13818 does not specify all the requirements with which terminal equipment intended for use in conjunction with multimedia information retrieval services has to comply. In particular, this part of ISO/IEC 13818 does not specify (lower layer) protocols to be used to deliver/transport DSM-CC protocol data units. Neither does it specify requirements related to safety, protection, and electromagnetic compatibility (EMC) of the equipment, or regulatory requirements with which such equipment may be required to comply.

### 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 edition of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

- [1] ISO/IEC 9646-1: Information technology - Open Systems Interconnection - Conformance testing methodology and framework – Part 1: General concepts.
- [2] ISO/IEC 9646-2: Information technology - Open Systems Interconnection - Conformance testing methodology and framework – Part 2: Abstract Test Suite Specification.
- [3] ISO/IEC 9646-7: Information technology - Open Systems Interconnection - Conformance testing methodology and framework – Part 7: Implementation Conformance Statements.
- [4] ISO/IEC 13818-6: Information technology - Generic coding of moving pictures and associated audio information – Part 6: Extensions for DSM-CC.

### 3 Abbreviations

API : Application Portability Interface

ATS : Abstract Test Suite

DSM-CC : Digital Storage Media-Command and Control

DSM-CC UN : Digital Storage Media-Command and Control User to Network

DSM-CC UU : Digital Storage Media-Command and Control User to User

ETS : Executable Test Suite

LT : Lower Tester

IUT : Implementation Under Test

MPEG-2 : Moving Picture Experts Group-2

PCO : Point of Control and Observation