

INTERNATIONAL STANDARD

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

Part 9:

Extension for real time interface for systems
decoders

*Technologies de l'information — Codage générique des images animées
et des informations sonores associées —*

Partie 9: Extension pour interface temps réel pour systèmes décodeurs



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Foreword

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In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 13818-9 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

ISO/IEC 13818 consists of the following parts, under the general title *Information technology — Generic coding of moving pictures and associated audio information*:

- *Part 1: Systems*
- *Part 2: Video*
- *Part 3: Audio*
- *Part 4: Compliance testing*
- *Part 6: Extensions for DSM-CC*
- *Part 9: Extension for real time interface for systems decoders*

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Introduction

Conformance for ISO/IEC 13818-1 Transport Streams is specified in terms of the normative specifications defined therein. These specifications include, among other requirements, a Transport Stream System Target Decoder (T-STD) (ISO/IEC 13818-1, 2.4.2) which specifies the behaviour of an idealized decoder when the stream is input to such a decoder. The T-STD model, and the associated verification, do not include information concerning the stream in real time.

This part of ISO/IEC 13818 specifies the timing of the real-time delivery of the bytes of Transport Stream packets at a Real Time Interface (RTI). Equipment which includes some type of interface for Transport Stream data, the timing characteristics of which are said to comply with the RTI specification, must be able to operate normally with any input which complies with the RTI specification. In no case, however, is a piece of equipment required to implement an RTI interface.