
**Information technology — MPEG
systems technologies —**

**Part 18:
Event message track format for the
ISO base media file format**

*Technologies de l'information — Technologies des systèmes MPEG —
Partie 18: Format de la piste du message d'événement pour le format
ISO de base pour les fichiers médias*





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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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A list of all parts in the ISO/IEC 23001 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Information technology — MPEG systems technologies —

Part 18:

Event message track format for the ISO base media file format

1 Scope

This document specifies the format of the event message track.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 14496-12, *Information technology — Coding of audio-visual objects — Part 12: ISO base media file format*

ISO/IEC 23009-1, *Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 1: Media presentation description and segment formats*

3 Terms, definitions, abbreviated terms and notations

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1.1

active event

event (3.1.2) with a start time up to start time plus duration overlapping the current media time

3.1.2

event

aperiodic sparse metadata information that is intended for a specific interval of media-time

3.1.3

event duration

duration when the *event* (3.1.2) is applicable

3.1.4

event instance

representation of the *event* (3.1.2) in the track represented by an event message instance box

3.1.5

event start time

start of the interval in media-time when event information is applicable