



International
Standard

ISO/IEC 14496-15

**Information technology — Coding of
audio-visual objects —**

**Part 15:
Carriage of network abstraction
layer (NAL) unit structured video in
the ISO base media file format**

**AMENDMENT 1: Support for neural-
network post-filter supplemental
enhancement information and other
improvements**

*Technologies de l'information — Codage des objets
audiovisuels —*

*Partie 15: Transport de vidéo structurée en unités NAL sur la
couche réseau au format ISO de base pour les fichiers médias*

*AMENDEMENT 1: Prise en charge des informations
supplémentaires d'amélioration post-filtre du réseau neuronal et
autres améliorations*

**Seventh edition
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**AMENDMENT 1
2025-01**



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Clause 2

Add the following normative references:

ISO/IEC 15938-17, *Information technology — Multimedia content description interface — Part 17: Compression of neural networks for multimedia content description and analysis*

ISO/IEC 23002-7, *Information technology — MPEG video technologies — Part 7: Versatile supplemental enhancement information messages for coded video bitstreams*

4.10

Replace the content with the following:

4.10 SEI information box

4.10.1 Definition

Box Type: 'sei'

Container: SchemeInformationBox ('schi') or VisualSampleEntry

Mandatory: Yes (in the SchemeInformationBox), no (in a VisualSampleEntry)

Quantity: One (in the SchemeInformationBox), zero or one (in a VisualSampleEntry)

The `SeiInformationBox` documents SEI messages in a bitstream. When contained in a `VisualSampleEntry`, `numRequiredSEIs` shall be 0. By inspecting the `SeiInformationBox` a player will know which SEI messages it can assume to be present, and which are deemed necessary by the file author for correct playback. There might be other SEI messages present in the bitstream that are not documented by this box.

NOTE Writers can list non-required SEI messages in the `SeiInformationBox` included directly in the sample entry and required SEI messages in the `SeiInformationBox` in the `SchemeInformationBox` of the same track.

The SEI messages listed in the `SeiInformationBox` should be stored either in the bitstream or in the configuration record within the untransformed sample entry. The `SeiInformationBox` does not contain the actual SEI messages, it only lists those that occur in the bitstream.

4.10.2 Syntax

```
aligned(8) class SeiInformationBox extends Box('sei') {
    unsigned int(16) numRequiredSEIs;
```