

## ISO/IEC 23002-7

### Information technology — MPEG video technologies —

#### Part 7: Versatile supplemental enhancement information messages for coded video bitstreams

*Technologies de l'information — Technologies vidéo MPEG —*

*Partie 7: Messages d'améliorations complémentaires polyvalents  
pour les flux binaires vidéo codés*

Third edition  
2024-10

This is a preview of ISO/IEC 23002-7:2024. [Click here to purchase the full version from the ANSI store.](#)



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<b>Foreword</b> .....	<b>vi</b>
<b>Introduction</b> .....	<b>vii</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>2</b>
<b>4 Abbreviated terms</b> .....	<b>8</b>
<b>5 Conventions</b> .....	<b>9</b>
5.1 General.....	9
5.2 Arithmetic operators.....	9
5.3 Logical operators.....	10
5.4 Relational operators.....	10
5.5 Bit-wise operators.....	10
5.6 Assignment operators.....	11
5.7 Range notation.....	11
5.8 Mathematical functions.....	11
5.9 Order of operation precedence.....	13
5.10 Variables, syntax elements and tables.....	13
5.11 Text description of logical operations.....	14
5.12 Processes.....	16
<b>6 Syntax and semantics</b> .....	<b>16</b>
6.1 General.....	16
6.2 Method of specifying syntax in tabular form.....	17
6.3 Specification of syntax functions and descriptors.....	18
<b>7 Video usability information parameters</b> .....	<b>19</b>
7.1 General.....	19
7.2 VUI parameters syntax.....	19
7.3 VUI parameters semantics.....	20
<b>8 SEI messages</b> .....	<b>27</b>
8.1 General.....	27
8.2 Filler payload SEI message.....	28
8.2.1 Filler payload SEI message syntax.....	28
8.2.2 Filler payload SEI message semantics.....	28
8.3 User data registered by Rec. ITU-T T.35 SEI message.....	29
8.3.1 User data registered by Rec. ITU-T T.35 SEI message syntax.....	29
8.3.2 User data registered by Rec. ITU-T T.35 SEI message semantics.....	29
8.4 User data unregistered SEI message.....	29
8.4.1 User data unregistered SEI message syntax.....	29
8.4.2 User data unregistered SEI message semantics.....	29
8.5 Film grain characteristics SEI message.....	30
8.5.1 Film grain characteristics SEI message syntax.....	30
8.5.2 Film grain characteristics SEI message semantics.....	31
8.6 Frame packing arrangement SEI message.....	38
8.6.1 Frame packing arrangement SEI message syntax.....	38
8.6.2 Frame packing arrangement SEI message semantics.....	39
8.7 Parameter sets inclusion indication SEI message.....	46
8.7.1 Parameter sets inclusion indication SEI message syntax.....	46
8.7.2 Parameter sets inclusion indication SEI message semantics.....	46
8.8 Decoded picture hash SEI message.....	47
8.8.1 Decoded picture hash SEI message syntax.....	47
8.8.2 Decoded picture hash SEI message semantics.....	47
8.9 Mastering display colour volume SEI message.....	49
8.9.1 Mastering display colour volume SEI message syntax.....	49

This is a preview of ISO/IEC 23002-7:2024. [Click here to purchase the full version from the ANSI store.](#)

8.10.1	Content light level information SEI message syntax.....	51
8.10.2	Content light level information SEI message semantics.....	51
8.11	Dependent random access point indication SEI message.....	52
8.11.1	Dependent random access point indication SEI message syntax.....	52
8.11.2	Dependent random access point indication SEI message semantics.....	52
8.12	Alternative transfer characteristics information SEI message.....	53
8.12.1	Alternative transfer characteristics information SEI message syntax.....	53
8.12.2	Alternative transfer characteristics SEI message semantics.....	53
8.13	Ambient viewing environment SEI message.....	53
8.13.1	Ambient viewing environment SEI message syntax.....	53
8.13.2	Ambient viewing environment SEI message semantics.....	53
8.14	Content colour volume SEI message.....	54
8.14.1	Content colour volume SEI message syntax.....	54
8.14.2	Content colour volume SEI message semantics.....	54
8.15	Omnidirectional video specific SEI messages.....	57
8.15.1	Sample location remapping process.....	57
8.15.2	Equirectangular projection SEI message.....	67
8.15.3	Generalized cubemap projection SEI message.....	70
8.15.4	Sphere rotation SEI message.....	76
8.15.5	Region-wise packing SEI message.....	77
8.15.6	Omnidirectional viewport SEI message.....	84
8.16	Frame-field information SEI message.....	86
8.16.1	Frame-field information SEI message syntax.....	86
8.16.2	Frame-field information SEI message semantics.....	86
8.17	Sample aspect ratio information SEI message.....	89
8.17.1	Sample aspect ratio information SEI message syntax.....	89
8.17.2	Sample aspect ratio information SEI message semantics.....	89
8.18	Annotated regions SEI message.....	90
8.18.1	Annotated regions SEI message syntax.....	90
8.18.2	Annotated regions SEI message semantics.....	91
8.19	Scalability dimension information SEI message.....	94
8.19.1	Scalability dimension information SEI message syntax.....	94
8.19.2	Scalability dimension information SEI message semantics.....	95
8.20	Multiview acquisition information SEI message.....	96
8.20.1	Multiview acquisition information SEI message syntax.....	96
8.20.2	Multiview acquisition information SEI message semantics.....	97
8.21	Multiview view position SEI message.....	101
8.21.1	Multiview view position SEI message syntax.....	101
8.21.2	Multiview view position SEI message semantics.....	101
8.22	Depth representation information SEI message.....	102
8.22.1	Depth representation information SEI message syntax.....	102
8.22.2	Depth representation information SEI message semantics.....	102
8.23	Alpha channel information SEI message.....	106
8.23.1	Alpha channel information SEI message syntax.....	106
8.23.2	Alpha channel information SEI message semantics.....	106
8.24	Extended DRAP indication SEI message.....	109
8.24.1	Extended DRAP indication SEI message syntax.....	109
8.24.2	Extended DRAP indication SEI message semantics.....	109
8.25	Display orientation SEI message.....	110
8.25.1	Display orientation SEI message syntax.....	110
8.25.2	Display orientation SEI message semantics.....	111
8.26	Colour transform information SEI message.....	112
8.26.1	Colour transform information SEI message syntax.....	112
8.26.2	Colour transform information SEI message semantics.....	112
8.27	Shutter interval information SEI message.....	116
8.27.1	Shutter interval information SEI message syntax.....	116
8.27.2	Shutter interval information SEI message semantics.....	116

This is a preview of ISO/IEC 23002-7:2024. [Click here to purchase the full version from the ANSI store.](#)

8.28.2	Neural-network post-filter characteristics SEI message.....	118
8.28.3	Neural-network post-filter activation SEI message.....	141
8.29	Phase indication SEI message.....	143
8.29.1	Phase indication SEI message syntax.....	143
8.29.2	Phase indication SEI message semantics.....	143
8.30	Reserved SEI message.....	145
8.30.1	Reserved SEI message syntax.....	145
8.30.2	Reserved SEI message semantics.....	145
<b>9</b>	<b>Parsing process for k-th order Exp-Golomb codes.....</b>	<b>145</b>
9.1	General.....	145
9.2	Mapping process for signed Exp-Golomb codes.....	146
	<b>Bibliography.....</b>	<b>148</b>

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information information*, in collaboration with ITU-T (as Rec. ITU-T H.274).

This third edition cancels and replaces the second edition (ISO/IEC 23002-7:2022), which has been technically revised.

The main changes are as follows:

- the addition of the shutter interval information SEI message,
- the addition of the neural-network post-filter characteristics SEI message,
- the addition of the neural-network post-filter activation SEI message, and
- the addition of the phase indication SEI message.

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## Versions of this document

Rec. ITU-T H.274 | ISO/IEC 23002-7 version 1 refers to the first approved version of this document. The first edition published by ITU-T as Rec. ITU-T H.274 (08/2020) and by ISO/IEC as ISO/IEC 23002-7:2021 corresponded to the first version.

Rec. ITU-T H.274 | ISO/IEC 23002-7 version 2 refers to the integrated text containing nine additional SEI messages, namely the annotated regions SEI message, the alpha channel information SEI message, the depth representation information SEI message, the multiview acquisition information SEI message, the multiview view position SEI message, the scalability dimension information SEI message, the extended dependent random access point indication SEI message, the display orientation SEI message, and the colour transform information SEI message. Besides these additional SEI messages, this version also contains corrections to various minor defects in the prior content of the specification. The second edition published by ITU-T as Rec. ITU-T H.274 (05/2022) and by ISO/IEC as ISO/IEC 23002-7:2022 corresponds to the second version.

Rec. ITU-T H.274 | ISO/IEC 23002-7 version 3 (the current version) refers to the integrated text containing four additional SEI messages, namely the shutter interval information SEI message, the neural-network post-filter characteristics SEI message, the neural-network post-filter activation SEI message, and the phase indication SEI message. Besides these additional SEI messages, this version also contains corrections to various minor defects in the prior content of the specification. The third edition published by ISO/IEC as ISO/IEC 23002-7:2024 corresponds to the third version. This third edition of ISO/IEC 23002-7 corresponds to the third edition published by ITU-T as Rec. ITU-T H.274 (09/2023).

## Conventions

The term "this document" is used to refer to this Recommendation | International Standard.

In this document, the following verbal forms are used:

- "shall" indicates a requirement. When used to express a mandatory constraint on the values of syntax elements or the values of variables derived from these syntax elements, it is the responsibility of the encoder to ensure that the constraint is fulfilled.
- "should" indicates a recommendation. It is used to refer to behaviour of an implementation that is encouraged to be followed under anticipated ordinary circumstances, but is not a requirement for conformance to this document.
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