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TECHNICAL SPECIFICATION

colour inside

Encoding guidelines for interoperable master format – Application #6



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ENCODING GUIDELINES FOR INTEROPERABLE MASTER FORMAT – APPLICATION #6

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IEC TS 63499 has been prepared by subcommittee TA 6: Storage media, storage data structure, storage systems and equipment, of IEC technical committee TC 100: Audio, video and multimedia systems and equipment. It is a Technical Specification.

The text of this Technical Specification is based on the following documents:

Draft	Report on voting
100/4091/DTS	100/4116/RVDTS

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Specification is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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- withdrawn, or
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ENCODING GUIDELINES FOR INTEROPERABLE MASTER FORMAT – APPLICATION #6

1 Scope

This document provides video encoding guidelines for the use of Interoperable Master Format (IMF) Application #6 defined in SMPTE ST 2067-60.

These guidelines are applicable for any equipment which creates an IMF Image Track File using AVC/H.264 as the video codec.

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 14496-10:2020, *Information technology – Coding of audio-visual objects – Part 10: Advanced video coding | Rec. ITU-T H.264 (08/2021), Advanced video coding for generic audiovisual services*

SMPTE ST 377-1:2019, *Material Exchange Format (MXF) – File Format Specification*

SMPTE ST 381-3:2017, *Material Exchange Format (MXF) – Mapping AVC Streams into the MXF Generic Container*

SMPTE ST 2067-60:2023, *Interoperable Master Format – Application #6 UHDTV Program Workflow (AVC)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 14496-10, SMPTE ST 377-1, SMPTE ST 381-3 and SMPTE ST 2067-60 apply.

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

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