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SMPTE STANDARD



MXF — Mapping VC-5 Video Essence into the MXF Generic Container

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Foreword

SMPTE (the Society of Motion Picture and Television Engineers) is an internationally-recognized standards developing organization. Headquartered and incorporated in the United States of America, SMPTE has members in over 80 countries on six continents. SMPTE's Engineering Documents, including Standards, Recommended Practices, and Engineering Guidelines, are prepared by SMPTE's Technology Committees. Participation in these Committees is open to all with a bona fide interest in their work. SMPTE cooperates closely with other standards-developing organizations, including ISO, IEC and ITU.

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SMPTE ST 2073-10 was prepared by Technology Committee TC-31FS.

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Introduction

This section is entirely informative and does not form an integral part of this Engineering Document.

This standard specifies the mapping from VC-5 image essence into an MXF generic container.

Each picture is encoded according to SMPTE ST 2073-3 or SMPTE ST 2073-4.

VC-5 is a picture-by-picture coding scheme where each picture is entirely independent and can be extracted as an independent entity. SMPTE ST 2073-1 defines the VC-5 bitstream. SMPTE ST 2073-3 specifies the encoding of common image formats that do not have subsampled color difference components such as RGB(A), Y'C₁C₂(A), and Bayer. SMPTE ST 2073-4 specifies the encoding of images with subsampled color difference components.