

SMPTE STANDARD

Vertical Ancillary Data Mapping of Audio Metadata — Method B



Page 1 of 5 pages

Table of Contents	Page
Foreword	2
Intellectual Property	2
Introduction.....	2
1 Scope	3
2 Conformance Notation	3
3 Normative References	3
4 Definition	4
5 Format of VANC Data Packets	4
5.1 UDW Format	4
5.2 Overview of the Audio Metadata Packets.....	4
6 Location of the Vertical Ancillary Data	5
7 Levels of Operation	5

List of Figures

Figure 1 – Structure of Audio Metadata VANC Packet.....	5
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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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Introduction

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

Audio data-rate reduction technologies use metadata which is multiplexed into the encoded audio bitstream, to describe the encoded audio and convey information that precisely controls downstream encoders and decoders.

Metadata is first created during program creation or mastering. It may need to be carried in the vertical ancillary data space of a digital television signal.

There are currently two methods of mapping the metadata into the vertical ancillary data space. The following suite of SMPTE standards, defines the basic characteristics of the audio metadata, its serial transport used to convey the metadata between devices, and both of the mappings into the VANC space.

SMPTE ST 2020-1, Format of Audio Metadata and Description of the Asynchronous Serial Bitstream Transport

SMPTE ST 2020-2, Vertical Ancillary Data Mapping of Audio Metadata – Method A

SMPTE ST 2020-3, Vertical Ancillary Data Mapping of Audio Metadata – Method B