

SMPTE STANDARD

Format for Non-PCM Audio
and Data in AES3 —
Data Types



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Foreword

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SMPTE Engineering Documents are drafted in accordance with the rules given in its Standards Operations Manual.

SMPTE ST 338 was prepared by Technology Committee 32NF.

Intellectual Property

At the time of publication no notice had been received by SMPTE claiming patent rights essential to the implementation of this Engineering Document. However, attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. SMPTE shall not be held responsible for identifying any or all such patent rights.

Introduction

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

An associated standard, SMPTE ST 337, describes general formatting requirements when carrying non-PCM data in an AES3 digital audio bit stream. Data are formatted into data bursts each consisting of a burst_preamble and a burst_payload. The data_type field in the burst_preamble of each data burst defines the type of non-PCM data carried within the burst_payload of the data burst. Each data type includes additional formatting requirements not defined in SMPTE ST 337.

This standard maps the value of the data_type field to specific data types and references additional standards that contain data type specific formatting requirements and information. No specific formatting information is contained in this standard.

Some data types are mapped directly to data_type values. Specific references are included for these data types.