

SMPTE STANDARD

D-Cinema Operations – FSK Synchronization Signal



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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. This SMPTE Engineering Document was prepared by Technology Committee 21DC.

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. The purpose of this amendment is to document a Universal Label that identifies the FSK synchronization signal specified in ST 430-12.

Amendment

Upon approval of this amendment, ST 430-12:2014 shall be revised as follows:

References

The following shall be added to the Normative References section:

SMPTE ST 400:2012, SMPTE Labels Structure

The following shall be added to a new Bibliography section to follow section 9:

SMPTE ST 377-4:2012, MXF Multichannel Audio Labeling Framework

SMPTE ST 429-16:2014, Additional Composition Metadata Guidelines

Section 8 UL Definition

Add the following text as a new section 8, immediately following Section 7.

The following Universal Label (UL), as specified in SMPTE ST 400, identifies audio channels that carry the FSK synchronization signal.

Table 5 - FSK Sync Signal Channel Label

Kind	Leaf
Name	FSK Sync Signal Channel
Symbol	FSKSyncSignalChannel
Description	Identifies an FSK Sync channel
UL	urn:smpte:ul: 060e2b34.0401010d.03020110.00000000

Section 9 AudioChannelLabelSubDescriptor Item Definition

Add the following text as a new section 9, immediately following section 8.

When an AudioChannelLabelSubDescriptor (as defined in SMPTE ST 377-4) references an audio channel that contains the FSK synchronization signal, the items specified in Table 6 shall be present and set as specified therein. The MCA Tag Symbol Value should be used as the TOKEN associated with the FSK Sync channel when used with additional CPL metadata per SMPTE ST 429-16.

Table 6 - MCA Subdescriptor Items for FSK Sync Channel

Item	Value
MCA Label Dictionary ID	UL of FSK Sync Signal defined in section 8.
MCA Tag Symbol	'FSKSync'
MCA Tag Name	'FSK Sync'