

Signaling D-BOX in a CPL

1 Introduction

The following specifies the signaling of D-BOX-enabled Compositions in the Composition Playlist (CPL) structure specified in SMPTE ST 429-7.

2 D-Cinema Naming Convention

The D-Cinema Naming Convention should be followed whenever applicable.

3 CPL Metadata (SMPTE ST 429-16)

The following shall apply whenever a Composition Playlist conforms to SMPTE ST 429-16.

3.1 MainSoundConfiguration

The `MainSoundConfiguration` element shall indicate the presence of a:

- D-BOX Motion Code Primary Stream signal in Main Sound using the `CHANNEL` value of "D-BOX".
- D-BOX Motion Code Secondary Stream signal in Main Sound using the `CHANNEL` value of "D-BOX2".

3.2 ExtensionMetadata

3.2.1 General

To indicate that the Composition is enabled for D-BOX playback (independent of the specific Motion Code distribution mechanism), the `ExtensionMetadataList` element shall include a single `ExtensionMetadata` element with

- a `scope` attribute equal to "http://www.d-box.com/technical_notes/124-915-0005"
- a `Name` equal to "D-BOX Enabled"

3.2.2 D-BOX Motion Code Primary Stream

If and only if a D-BOX Motion Code Primary Stream signal is present in any of the Main Sound Track Files referenced by the Composition Playlist, the `ExtensionMetadata` element shall include a single `Property` element with `Name` of "D-BOX Motion Code Primary Stream" and `Value` of "true".

3.2.3 D-BOX Motion Code Secondary Stream

If and only if a D-BOX Motion Code Secondary Stream signal is present in any of the Main Sound Track Files referenced by the Composition Playlist, the `ExtensionMetadata` element shall include a single `Property` element with `Name` of "D-BOX Motion Code Secondary Stream" and `Value` of "true".

4 References

SMPTE ST 429-16:2014, D-Cinema Packaging — Additional Composition Metadata and Guidelines

SMPTE ST 429-7:2006, D-Cinema Packaging — Composition Playlist

D-Cinema Naming Convention (<http://digitalcinemanamingconvention.com/>)

5 Change History

| <i>Version</i> | <i>Highlights</i> |
|----------------|--------------------|
| A01 | Initial DRAFT |
| A02 | Revised references |

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