

SMPTE STANDARD

D-Cinema Operations — Key Delivery Bundle — Amendment 1



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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.

Amendment 1 to SMPTE ST 430-9:2008 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.

1 Scope

This document amends SMPTE ST 430-9:2008.

2 Amendments

Replace the body of Section 8 with the following:

The XML Schema document presented in this section normatively defines the structure of the Catalog element. While this schema is intended to faithfully represent the structure presented in the normative prose portions of this document, conflicts in definition may occur. In the event of such a conflict, the normative prose shall be the authoritative expression of the standard.

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
xmlns:dcmlTypes="http://www.smpte-ra.org/433/2008/dcmlTypes/"
elementFormDefault="qualified" attributeFormDefault="unqualified"
id="KDMBundle">
  <xs:import namespace="http://www.w3.org/2000/09/xmldsig#" />
  <xs:import namespace="http://www.smpte-ra.org/433/2008/dcmlTypes/" />
  <xs:simpleType name="PathTextType">
    <xs:restriction base="xs:string">
<xs:pattern value="([A-Za-z0-9]{1}([A-Za-z0-9,_,\-,.]*) (/[]{1}[A-Za-z0-9]{1}([A-
Za-z0-9,_,\-,.]*)*)*/>
    </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="Recipient">
    <xs:sequence>
<xs:element name="X509IssuerSerial" type="ds:X509IssuerSerialType"/>
<xs:element name="X509SubjectName" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="KDMFileType">
    <xs:sequence>
<xs:element name="CPLId" type="dcmlTypes:UUIDType"/>
<xs:element name="FilePath">
  <xs:simpleType>
    <xs:restriction base="PathTextType">
<xs:minLength value="1"/>
<xs:maxLength value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Recipient" type="Recipient"/>
<xs:element name="ContentKeysNotValidBefore" type="xs:dateTime"/>
<xs:element name="ContentKeysNotValidAfter" type="xs:dateTime"/>
    </xs:sequence>
  </xs:complexType>
  <xs:sequence>
<xs:element name="Id" type="dcmlTypes:UUIDType"/>
<xs:element name="AnnotationText" type="dcmlTypes:UserTextType" minOccurs="0"/>
<xs:element name="Creator" type="dcmlTypes:UserTextType" minOccurs="0"/>

```

```
<xs:element name="KDMFileList">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="KDMFile" type="KDMFileType" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
<xs:element name="Catalog" type="CatalogType"/>
</xs:schema>
```