

Composition Metadata Guidelines

This document provides guidelines for the transmission and display of the metadata associated with a D-Cinema composition. These guidelines apply to both Interop and SMPTE/DCI packages.

1 Introduction

For scheduling and diagnosis, exhibition staff needs access to detailed information on D-Cinema compositions. While the Composition Playlist contains a number of metadata items, it is missing key items that have proven useful in practice. These items are instead encoded (see D-Cinema Naming Convention) in the title of the composition, whose structure cannot accommodate the full range of desired metadata. As a result, the metadata contained in the Composition Playlist is inconsistent and seldom displayed in detail by exhibition equipment.

This document is designed to promote the consistent transmission and display of metadata related to D-Cinema compositions. In Section 2 specifies guidelines for transmitting Composition Playlist metadata: it constrains existing items and adds new items that have proven useful in practice. Section 3 specifies guidelines for the display, by exhibition equipment, of information related to the Composition Playlist.

2 Transmission Guidelines

The following guidelines supplements existing normative provisions and, unless noted otherwise, apply to both SMPTE/DCI and Interop Composition Playlist.

2.1 Overall

2.1.1 Language Tags

All values of type `xs:language` should use language tags as specified in RFC 5646.

2.1.2 Optional Elements

Distributors should make best effort to provide all information specified herein. If an element is optional, its absence indicates that the value was not available at the time of creation of the Composition Playlist.

2.2 ContentVersion

For Interop Composition Playlist, the `ContentVersion` element and the `LabelText` element contained within should be present. The `Id` element within the `ContentVersion` element may be omitted.

The value of the LabelText element should consist of free-form text, optionally ending with the string "[Version" 1*DIGIT "]", with the digits corresponding to the version number.

2.3 RatingList

The RatingList should contain maturity ratings appropriate for the release region.

Section 4 defines Rating Agency URIs and corresponding Labels for selected release regions.

2.4 ContentKind

This specification defines the value `http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/content-kind` for use in the scope attribute of the ContentKind element. When this scope value is used, the value of the ContentKind element shall be one of the values of Table 1.

2.5 CompositionMetadataAsset

A number of metadata items not included in the Composition Playlist have seen widespread use in D-Cinema distribution as part of the Naming Convention. In order to carry these items in the Composition Playlist, this document defines a new Asset element, namely CompositionMetadataAsset. The CompositionMetadataAsset element for SMPTE/DCI packages is specified by the following XML Schema.

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://isdcf.com/schemas/draft/2011/cpl-metadata"
  xmlns:cpl="http://www.smpte-ra.org/schemas/429-7/2006/CPL"
  xmlns:meta="http://isdcf.com/schemas/draft/2011/cpl-metadata">
  <xs:element name="CompositionMetadataAsset"
type="meta:CompositionMetadataAssetType"/>
  <xs:complexType name="CompositionMetadataAssetType">
    <xs:complexContent>
      <xs:extension base="cpl:GenericAssetType">
        <xs:sequence>
          <xs:element name="ReleaseRegion" type="meta:ScopedStringType"
minOccurs="0"/>
          <xs:element name="Distributor" type="meta:ScopedStringType"
minOccurs="0"/>
          <xs:element name="Facility" type="meta:ScopedStringType"
minOccurs="0"/>
          <xs:element name="StereoscopicLuminance" type="xs:decimal"
minOccurs="0"/>
          <xs:element name="MainSoundConfiguration"
type="meta:ScopedStringType"
            minOccurs="1"/>
          <xs:element name="MainPictureActiveArea"
type="meta:ScopedStringType"
            minOccurs="1"/>
          <xs:element minOccurs="0" name="IMAX"/>
          <xs:any maxOccurs="unbounded" minOccurs="0" namespace="##other"
processContents="lax"/>
        

```

```
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
  <xs:complexType name="ScopedStringType">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="scope" type="xs:anyURI" use="optional"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  <xs:complexType name="ExtensionItemType">
    <xs:sequence>
      <xs:element maxOccurs="unbounded" minOccurs="0" name="Name">
        <xs:complexType>
          <xs:attribute name="language" type="xs:language" use="required"/>
        </xs:complexType>
      </xs:element>
      <xs:element name="Value" type="meta:ScopedStringType"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>
```

For Interop packages, the URI "<http://www.digicine.com/PROTO-ASDCP-CPL-20040511#>" is used for the `xmlns:cpl` namespace.

A Composition Playlist instance shall contain exactly one `CompositionMetadataAsset` instance located in the first `Reel` element of the `ReelList` element.

The value of the `IntrinsicDuration` element shall be set to 0.

The value of the `EditRate` element shall be set to that of the composition.

Extension elements may be added using the `<xs:any>`. These elements shall be instances of the `ExtensionItemType` type. These extension elements may define textual representations for their names through any number of `Name` elements, each associated with a specified language specified using the `language` attribute. No two `Name` element shall have the same `language` attribute value.

2.5.1 ReleaseRegion

The `ReleaseRegion` should contain a textual representation of the intended release region for the Composition Playlist. An optional `scope` attribute determines the permissible values of the element.

This specification defines the `scope` value `http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/release-region/UNM49`. When this `scope` value is used, the value of the `ReleaseRegion` shall be a country, area or region numerical code defined in UN M49¹. For generic international versions, the code 001 shall be used.

¹ <http://unstats.un.org/unsd/methods/m49/m49.htm>

2.5.2 Distributor

The Distributor should contain a textual representation of the distributor, e.g. studio, for the Composition Playlist in the intended release region. An optional scope attribute determines the permissible values of the element.

This specification defines the scope value <http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/distributor>. When this scope value is used, the value of the Distributor shall be one of the values listed in Section 6.

2.5.3 Facility

The Distributor element should contain a textual representation of the company that created the Composition Playlist. An optional scope attribute determines the permissible values of the element.

This specification defines the scope value <http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/facility>. When this scope value is used, the value of the Facility element shall be one of the values listed in Section 7.

2.5.4 StereoscopicLuminance

The 3DLuminance element indicates the screen luminance at which the stereoscopic content represented by the CPL was mastered. It is a positive decimal number in units of foot-lamberts, e.g. "4". It should be present only when the CPL represents stereoscopic content.

2.5.5 MainSoundConfiguration

The MainSoundConfiguration element should contain a textual representation of the soundfield and channel configuration present in the MainSound element. An optional scope attribute determines the permissible values of the element.

This specification defines the scope value <http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/mainsound-configuration>. When this scope value is used, the value of the MainSoundConfiguration element shall follow the pattern `SOUNDFIELD ["(" CHANNEL * (" CHANNEL) ")"]` where SOUNDFIELD is one of the values of Table 5 and CHANNEL is one of the values of Table 6. CHANNEL values shall include all channels actually present in MainSound.

2.5.6 MainPictureActiveArea

The MainPictureActiveArea element should contain a textual representation of the active area of the picture essence referenced by the MainPicture element. An optional scope attribute determines the permissible values of the element.

This specification defines the scope value <http://isdcf.com/schemas/draft/2011/cpl-metadata#scope/mainpicture-activearea>. When this scope value is used, the value of the

MainPictureActiveArea element shall follow the pattern `1*DIGIT "x" 1*DIGIT` expressed using ABNF syntax defined in STD 682. A valid example is 2048x856.

3 Display Guidelines

The following specify guidelines for the display, by exhibition devices, of information related to D-Cinema compositions.

3.1 Overall

3.1.1 Missing Information

Implementations should clearly indicate the absence of an expected metadata item using text appropriate for the locale, e.g. "n/a" in an English locale.

3.1.2 Language

If an implementation encounters a language tag it does not recognize, it should display the tag itself, instead of nothing. For example, if the Language element of the MainSound element contained the value "fb", the implementation should display "fb" as the language even though that code presumably is not recognized as a valid language code.

Under no circumstance should an unknown language code prevent successful playback.

3.2 Title

Implementations should display the value of the ContentTitleText element.

3.3 3D/2D

Implementations should display whether the composition consists of 3D picture based on the presence of the MainStereoscopicPicture element.

3.4 Trailer, Feature, etc?

Implementations should display the value of the ContentKind element.

3.5 Sound Language

Implementations should display the value of the Language element of the MainSound element.

² <http://www.rfc-editor.org/std/std68.txt>

3.6 Subtitle Language

Implementations should display the value of the Language element of the MainSubtitle element.

3.7 Caption Language

Implementations should display the value of the Language element of the MainCaption element.

3.8 Maturity Rating

Implementations should display the value of all the Rating elements of the RatingList element.

3.9 Content Creation Date

Implementations should display the value of the IssueDate element.

3.10 Interop or SMPTE

Based on the namespace of the Composition Playlist instance, implementations should display whether the Composition Playlist is Interop or SMPTE/DCI.

3.11 Main Picture Frame Rate

Implementations should display the value of the FrameRate element of the MainPicture element.

3.12 End Credit Offset (from CPL marker)

TBD

3.13 Ingest Status

A. BEFORE Ingest: All the assets for the Composition available?

B. AFTER ingest: All the assets for the Composition ingested Completely?

A Server should be sure to include incomplete CPLs in one of its GUI list of displayed CPLs. It should clearly indicate that the CPL is ingested but incomplete. The state of being incomplete should be clearly distinguishable from the state of being encrypted without a KDM.

When an external volume is presented to a server for ingest, the operator's display should clearly indicate:

1. Whether or not the CPL is complete (in the context of the Volume).
2. Whether, once ingested, the CPL will be complete or incomplete.

3.14 Release Region

Implementations should display the value of the ReleaseRegion element of the CompositionMetadataAsset element.

3.15 Audio channel configuration

Implementations should display the value of the MainSoundConfiguration element of the CompositionMetadataAsset element.

3.16 Distributor

Implementations should display the value of the Distributor element of the CompositionMetadataAsset element.

3.17 Facility

Implementations should display the value of the Facility element of the CompositionMetadataAsset element.

3.18 Active area

Implementations should display the value of the MainPictureActiveArea element of the CompositionMetadataAsset element.

3.19 Version Number

Implementations should display the value of the LabelText element of the ContentVersion element.

3.20 IMAX

Based on the IMAX element, implementations should display whether the Composition Playlist is an IMAX release.

3.21 3D spec

TBD

4 Additional ContentKind

Kind	Description
promo	A piece of promotional publicity or advertising
stereocard	"Please Put Your 3D Glasses On Now" card

Table 1. Additional ContentKind values.

5 Ratings

Region	Agency URI	Applicable Content Kind	Label	Description		
Australia	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/australia	Trailer	AE	E - ADV EXEMPTION		
		Trailer	G	G		
		Trailer	M	M		
		Trailer	M5	MA 15+		
		Trailer	PG	PG		
Austria	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/austria	Trailer	R	R		
		Feature	AA	All Ages		
		Feature	12	Viewers over 12		
		Feature	16	Viewers over 16		
		Feature	06	Viewers over 6		
		Feature	X	X		
		Trailer	AA	All Ages		
		Trailer	12	Viewers over 12		
		Trailer	16	Viewers over 16		
Belgium	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/belgium	Feature	KN	KNT/ENA		
		Feature	KT	KT/EA		
Bulgaria	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/bulgaria	Feature	A	A		
		Feature	B	B		
		Feature	C	C		
		Feature	D	D		
		Feature	X	X		
		Trailer	A	A		
		Trailer	B	B		
		Trailer	C	C		
		Trailer	D	D		
		Trailer	X	X		
Czech Republic	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/czech-republic	Feature	U	U		
		Feature	12	Viewers over 12		
		Feature	14	Viewers over 14		
		Feature	18	Viewers over 18		
		Trailer	U	U		
		Trailer	12	Viewers over 12		
		Trailer	14	Viewers over 14		
		Trailer	18	Viewers over 18		
		Denmark	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/denmark	Feature	GR	Green
				Feature	11	Viewers over 11
Feature	15			Viewers over 15		
Feature	07			Viewers over 7		
Trailer	GR			Green		
Trailer	11			Viewers over 11		
Trailer	15			Viewers over 15		
Trailer	07			Viewers over 7		
Egypt	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/egypt			Feature	BN	Banned

		Feature	GN	General
		Feature	18	Viewers over 18
		Trailer	BN	Banned
		Trailer	GN	General
		Trailer	18	Viewers over 18
Finland	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/finland	Feature	K1	K-11
		Feature	K13	K-13
		Feature	K5	K-15
		Feature	K18	K-18
		Feature	K3	K-3
		Feature	K7	K-7
		Feature	KK	KK
		Feature	S	S
		Trailer	K1	K-11
		Trailer	K13	K-13
		Trailer	K5	K-15
		Trailer	K18	K-18
		Trailer	K3	K-3
		Trailer	K7	K-7
		Trailer	KK	KK
		Trailer	S	S
France	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/france	Feature	AA	All Ages
		Feature	AV	AVERTISSEMENT
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Feature	X	X
		Trailer	AA	All Ages
		Trailer	12	Viewers over 12
Germany	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/germany	Feature	AA	All Ages
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Feature	06	Viewers over 6
		Trailer	AA	All Ages
		Trailer	12	Viewers over 12
		Trailer	16	Viewers over 16
		Trailer	18	Viewers over 18
		Trailer	06	Viewers over 6
Greece	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/greece	Feature	K	K
		Feature	K13	K-13
		Feature	K17	K-17
		Feature	18	Viewers over 18
		Trailer	K	K
		Trailer	K13	K-13
		Trailer	K17	K-17
		Trailer	18	Viewers over 18
Hong Kong	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/hong-kong	Feature	1	I

		Feature	2A	IIA
		Feature	2B	IIB
		Feature	3	III
		Trailer	1	I
		Trailer	2A	IIA
		Trailer	2B	IIB
		Trailer	3	III
Hungary	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/hungary	Feature	0A	0 - ALL AUDIENCES
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Trailer	0A	0 - ALL AUDIENCES
		Trailer	12	Viewers over 12
		Trailer	16	Viewers over 16
		Trailer	18	Viewers over 18
Iceland	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/iceland	Feature	L	L - All Ages
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Feature	07	Viewers over 7
India	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/india	Feature	A	A
		Feature	U	U
		Feature	UA	U/A
		Trailer	A	A
		Trailer	U	U
		Trailer	UA	U/A
Ireland	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/ireland	Feature	12A	12A
		Feature	15A	15A
		Feature	G	G
		Feature	PG	PG
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Trailer	12A	12A
		Trailer	15A	15A
		Trailer	G	G
		Trailer	PG	PG
		Trailer	16	Viewers over 16
		Trailer	18	Viewers over 18
Israel	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/israel	Feature	AA	All Ages
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
Italy	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/italy	Feature	BN	Banned
		Feature	G	G
		Feature	V4	VM 14
		Feature	V8	VM 18
		Trailer	BN	Banned

		Trailer	G	G
		Trailer	V4	VM 14
		Trailer	V8	VM 18
Japan	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/japan	Feature	G	G
		Feature	P2	PG-12
		Feature	R5	R-15
		Feature	R8	R-18
Jordan	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/jordan	Feature	BN	Banned
		Feature	GN	General
		Feature	18	Viewers over 18
		Trailer	BN	Banned
		Trailer	GN	General
		Trailer	18	Viewers over 18
Kenya	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/kenya	Feature	AO	Adults Only
		Feature	GE	GE
		Feature	U10	U10
		Feature	U16	U16
		Trailer	AO	Adults Only
		Trailer	GE	GE
		Trailer	U10	U10
		Trailer	U16	U16
Latvia	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/latvia	Feature	G	G
		Feature	N12	N-12
		Feature	N14	N-14
		Feature	N16	N-16
		Feature	N18	N-18
		Trailer	G	G
		Trailer	N12	N-12
		Trailer	N14	N-14
		Trailer	N16	N-16
		Trailer	N18	N-18
Lebanon	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/lebanon	Feature	BN	Banned
		Feature	GN	General
		Feature	15	Viewers over 15
		Feature	18	Viewers over 18
		Trailer	BN	Banned
		Trailer	GN	General
		Trailer	15	Viewers over 15
		Trailer	18	Viewers over 18
Lithuania	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/lithuania	Feature	AO	Adults Only
		Feature	AA	All Ages
		Feature	N16	N-16
		Feature	N7	N-7
		Feature	S	S
		Feature	T	T
Luxembourg	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/luxembourg	Feature	AA	All Ages

		Feature	16	Viewers over 16
		Trailer	AA	All Ages
		Trailer	16	Viewers over 16
Netherlands	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/netherlands	Feature	AL	AL
		Feature	12	Viewers over 12
		Feature	16	Viewers over 16
		Feature	06	Viewers over 6
		Feature	09	Viewers over 9
		Trailer	AL	AL
		Trailer	12	Viewers over 12
		Trailer	16	Viewers over 16
		Trailer	06	Viewers over 6
		Trailer	09	Viewers over 9
Nigeria	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/nigeria	Feature	12A	12A
		Feature	15A	15A
		Feature	G	G
		Feature	PG	PG
		Feature	RE	RE
		Feature	18	Viewers over 18
		Trailer	12A	12A
		Trailer	15A	15A
		Trailer	G	G
		Trailer	PG	PG
		Trailer	RE	RE
		Trailer	18	Viewers over 18
Norway	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/norway	Feature	AA	All Ages
		Feature	11	Viewers over 11
		Feature	15	Viewers over 15
		Feature	18	Viewers over 18
		Feature	07	Viewers over 7
		Trailer	AA	All Ages
		Trailer	11	Viewers over 11
		Trailer	15	Viewers over 15
		Trailer	18	Viewers over 18
		Trailer	07	Viewers over 7
Poland	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/poland	Feature	GC	Green Circle
		Feature	RC8	Red Circle 18
		Feature	18	Viewers over 18
		Feature	Y12	Yellow Circle 12
		Feature	Y7	Yellow Circle 7
		Feature	Y16	Yellow Circle16
		Trailer	GC	Green Circle
		Trailer	RC8	Red Circle 18
		Trailer	18	Viewers over 18
		Trailer	Y12	Yellow Circle 12
		Trailer	Y7	Yellow Circle 7
		Trailer	Y16	Yellow Circle16
		Feature	M12	M/12
Portugal	http://isdcf.com/schemas/draft/2011/cpl-	Feature	M16	M/16

	metadata#rating-agency/portugal	Feature	M18	M/18
		Feature	M4	M/4
		Feature	M6	M/6
		Trailer	M12	M/12
		Trailer	M16	M/16
		Trailer	M18	M/18
		Trailer	M4	M/4
		Trailer	M6	M/6
Romania	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/romania	Feature	AG	A.G.
		Feature	AP	A.P.
		Feature	IM8	I.M. 18
		Feature	N15	N 15
		Feature	XXX	XXX
Singapore	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/singapore	Feature	G	G
		Feature	M8	M18
		Feature	N6	NC 16
		Feature	PG	PG
		Feature	21	R21
		Trailer	G	G
		Trailer	M8	M18
		Trailer	N6	NC 16
		Trailer	PG	PG
		Trailer	21	R21
Slovakia	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/slovakia	Feature	G	G
		Feature	P2	PG-12
		Feature	P5	PG-15
		Feature	P8	PG-18
		Trailer	G	G
		Trailer	P2	PG-12
South Africa	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/south-africa	Feature	FA	Family
		Feature	R8	R-18
		Feature	10	Viewers over 10
		Feature	013	Viewers over 13
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Trailer	FA	Family
		Trailer	R8	R-18
		Trailer	10	Viewers over 10
		Trailer	013	Viewers over 13
		Trailer	16	Viewers over 16
		Trailer	18	Viewers over 18
South Korea	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/south-korea	Feature	AA	All Ages
		Feature	P2	PG-12
		Feature	P5	PG-15
		Feature	18	Viewers over 18
		Trailer	AA	All Ages
Spain	http://isdcf.com/schemas/draft/2011/cpl-	Feature	AA	All Ages

	metadata#rating-agency/spain	Feature	013	Viewers over 13
		Feature	18	Viewers over 18
		Feature	07	Viewers over 7
		Trailer	AA	All Ages
		Trailer	013	Viewers over 13
		Trailer	18	Viewers over 18
		Trailer	07	Viewers over 7
Sweden	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/sweden	Feature	BN	Banned
		Feature	BTL	BTL - All Ages
		Feature	11	Viewers over 11
		Feature	15	Viewers over 15
		Feature	07	Viewers over 7
		Trailer	BN	Banned
		Trailer	BTL	BTL - All Ages
		Trailer	11	Viewers over 11
		Trailer	15	Viewers over 15
		Trailer	07	Viewers over 7
Switzerland	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/switzerland	Feature	E	E
		Feature	J	J
		Feature	J14	J14
		Feature	K	K
		Feature	K10	K10
		Feature	K8	K8
		Feature	SB	SB
Taiwan	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/taiwan	Feature	G	G
		Feature	P	P
		Feature	P2	PG-12
		Feature	R	R
		Trailer	G	G
		Trailer	R	R
Thailand	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/thailand	Feature	BN	Banned
		Feature	CL	Pass Clean
		Feature	CT	Pass with cuts
		Trailer	BN	Banned
		Trailer	CL	Pass Clean
		Trailer	CT	Pass with cuts
Turkey	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/turkey	Feature	AA	All Ages
		Feature	13	PG-13
		Feature	18	Viewers over 18
		Feature	07	Viewers over 7
Ukraine	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/ukraine	Feature	21X	21 X
		Feature	CH	Children
		Feature	GN	General
		Feature	16	Viewers over 16
		Feature	18	Viewers over 18
		Trailer	21X	21 X

		Trailer	CH	Children
		Trailer	GN	General
		Trailer	16	Viewers over 16
		Trailer	18	Viewers over 18
United Arab Emirates	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/ united-arab-emirates	Feature	BN	Banned
		Feature	GN	General
		Feature	PG	PG
		Feature	15	Viewers over 15
		Feature	18	Viewers over 18
		Trailer	BN	Banned
		Trailer	GN	General
		Trailer	PG	PG
		Trailer	15	Viewers over 15
		Trailer	18	Viewers over 18
United Kingdom	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/ united-kingdom	Feature	12A	12A
		Feature	18R	18R
		Feature	PG	PG
		Feature	U	U
		Feature	15	Viewers over 15
		Feature	18	Viewers over 18
		Trailer	12A	12A
		Trailer	18R	18R
		Trailer	PG	PG
		Trailer	U	U
		Trailer	15	Viewers over 15
		Trailer	18	Viewers over 18
United States	http://isdcf.com/schemas/draft/2011/cpl-metadata#rating-agency/ us	Feature	G	G
		Feature	NC	NC-17
		Feature	PG	PG
		Feature	13	PG-13
		Feature	R	R
		Trailer	GB	Green Band
		Trailer	RB	Red Band

Table 2. Maturity Ratings.

6 Distributors

Distributor

Archangel Film Group

Cinemalive

Cromosoma, S.A.

Disney

Focus Features

Feel Good Entertainment

Fox Searchlight

Icon Entertainment

Lions Gate

Momentum Pictures

Miramax
New Line
Fox Atomic
Pathe Distribution
Dreamworks
Paramount
Paramount Vantage
Picturehouse
RealD
Rogue Pictures
Sony Pictures Entertainment
Summit Entertainment
Fox
Universal
Virtual Experience
Dimension
Weinstein Co.
Warner Bros.
MGM

Table 3. Distributor values.

7 Facilities

Facility

Arts Alliance Media
Admovies Digital Cinema Advertising
Arri Digital Cinema
Amazing Digital Studios
Asci International
Access It (Obs., See Cinedigm)
Artech Dcinema
Ascent Media
Dcp Australia
Auwe Digital
Audio Visual Factory
AV Grid
Authorwave Creations
Bewegte Bilder Medien Ag
Brickbox Digital Media
B-Mac Lab
Bug As, Norway
Cineact
Color By Dejonghe
Cinema Concepts
Carmike Digital Lab
Cosmodigital
Cineworks Digital Studios, Inc. - Miami
Cgr Digital Cinema
Cinedigm
Cj Powercast Art And Technology
Cineworks, La - New Orleans
Cinelab

Colorflow
Company 3
Colorfront
Cinepostproduction
Cinesync Poland
Cinetec Landfried Gmbh
D2
Dcp24 Laboratory
D2 Benelux
D2 China
D2 Italia
Digital360, S.L.
Deluxe Australia
Digital Cut
Digicine Russia
Digital Cinema Ukraine
Digital Devoid, Inc
Deluxe Digital Rome
Digital Factory (France)
Point.360 Dfl
Dolby Uk
Digimage Cinema
Deluxe La
Dolby La
Deluxe Digital Cinema New York
Dolby NY
Digipix Australia
Digital Pictures Melbourne
Divo Post Production
Deluxe Spain
Deluxe Uk
Dvs Intelestream/Cci Digital
Europacorp
Éclair Labs
Electric Cinema And Sound Studios
E-Film
Esprit Film And Television Limited
Eglifilm Postproduction
Encore Hollywood
Expressdcp
Film And Digital Cinema
Final Frame
Focus-Fox Studio
Fotokem
Farbkult
Filmprint Digital
Framestore
Fresto Post – Indonesia
Fsm
Gdc Technology Limited
Genesis Film
Home Box Office
Hinterland

Industrias Audiovisuales Argentinas Sa
Ics Laboratoire Digita
Imagica
Image & Light
Imax
In-Three
L'Immagine Ritrovata
Point.360 Ivc
Konveyer Lab
Kinotur
Labodigital
Leo Valen
Local Hero Post
Lightiron Digital
Listo Videofilm
Laserpacific
L'Espace Vision Co., Ltd
Les Machineurs
Mikros Image
Mistika Post
Magna Mana Production
Modern Videofilm
Molinare Uk
Motionlink
Warner Bros. Motion Picture Imaging
Motion Picture Solutions
Msp-Showtechnik
Nedcipro Bv
Nevafilm
Nordisk Film Digital Production
Optical Art
Open Gate
Offhollywood
Oriental Post Co., Ltd
Protronic Ag
Prime Focus Bangalore
Prime Focus Chennai
Prime Focus Goa
Prime Focus Hollywood
Prime Focus London
Prime Focus Mumbai
Prime Focus New York
Prime Focus Hyderabad
Pirana
Post Logic
Postcolor
Promoscape
Pacific Title
Postique Co., Ltd
Puzzle Film & Video
Postworks
Pixar
Pianeta Zero

Qube Cinema
 Reald
 Real Image, Chennai
 Real Image, Mumbai
 Scanlab France
 Colorworks
 Soho Digital Media
 Studio Element
 Spurenelemente
 Soho Film Lab
 Shaw Studios
 Twentieth Century Fox
 Technicolor Digital Cinema La
 Trench Entertainment
 Technicolor Digital Cinema Uk
 Technischer Film Dienst
 Titra Film Geneva
 Universal Studios Digital Services
 Vidéo De Poche
 Virtual Experience
 Vision Globale
 Visar Studio
 Videobolaget Post Production
 Vi.So. Virtual Solution
 Xdc Digital Lab
 Ymagis
 Ymagifilm
 Zwanenburg AV
 Zeus DCP

Table 4. Facility Values

8 Soundfield and Channels

Soundfields	Description
5.1	Configuration 1 in SMPTE ST 429-2
6.1	Configuration 2 in SMPTE ST 429-2
7.1SDDS	Configuration 3 in SMPTE ST 429-2
WTF	Configuration 4 in SMPTE ST 429-2
7.1DS	Configuration 5 in SMPTE ST 429-2

Table 5. Soundfields.

Channels	Description
L	Left
R	Right
C	Center
LFE	LFE
Lss	Left Side Surround
Rss	Right Side Surround
Lc	Left of center
Rc	Right of center
Lrs	Left rear surround

Rrs	Right rear surround
Ls	Left surround
Rs	Right surround
HI	Hearing impaired
VI	Visually impaired
D1	D-BOX Primary Stream
D2	D-BOX Secondary Stream
CH01	Channel 1 of Configuration 4 in SMPTE ST 429-2
CH02	Channel 2 of Configuration 4 in SMPTE ST 429-2
CH03	Channel 3 of Configuration 4 in SMPTE ST 429-2
CH04	Channel 4 of Configuration 4 in SMPTE ST 429-2
CH05	Channel 5 of Configuration 4 in SMPTE ST 429-2
CH06	Channel 6 of Configuration 4 in SMPTE ST 429-2
CH07	Channel 7 of Configuration 4 in SMPTE ST 429-2
CH08	Channel 8 of Configuration 4 in SMPTE ST 429-2
CH09	Channel 9 of Configuration 4 in SMPTE ST 429-2
CH10	Channel 10 of Configuration 4 in SMPTE ST 429
CH11	Channel 11 of Configuration 4 in SMPTE ST 429
CH12	Channel 12 of Configuration 4 in SMPTE ST 429
CH13	Channel 13 of Configuration 4 in SMPTE ST 429
CH14	Channel 14 of Configuration 4 in SMPTE ST 429
CH15	Channel 15 of Configuration 4 in SMPTE ST 429
CH16	Channel 16 of Configuration 4 in SMPTE ST 429

Table 6. Channel Values