



# ISAN

INTERNATIONAL STANDARD  
AUDIOVISUAL NUMBER

## ISAN Metadata Schema

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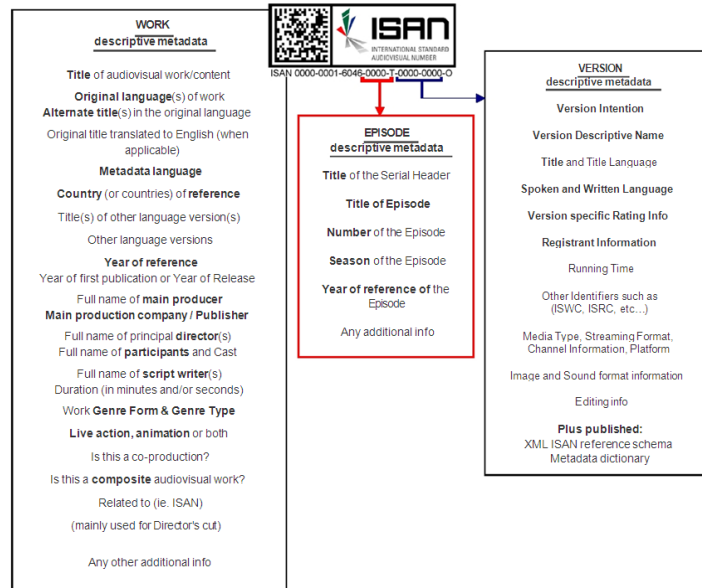
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## 1. Introduction

### OVERVIEW

The foundation of the ISAN audiovisual identification system is based on the ISO standards 15706-1 and 15706-2 which serve as the backbone for metadata definitions. ISAN-IA, the ISAN registration authority has developed a suite of policies and procedures to support reliable exchange of digital content through XML files and Web Services that links reliably systems and databases to the ISAN central repository. The overall registration processes, rules and procedures related to the standard and its use are maintained and enforced by ISAN-IA. All XML schemas and ISAN Web Services are also defined by ISAN-IA based on inputs from the industry via ISAN Registration Agencies. Further, all metadata submitted during the registration process will be retained by ISAN-IA on behalf of ISO and may also be retained by the Registration Agency according to its terms of use with the Registrant. The intention of the ISAN Work and Version Metadata Set (described in this document) is to provide a standard guide for manual and automated population of metadata when registering for an ISAN or to obtain registered metadata from the ISAN central repository.

Currently, there are two ISAN metadata sets: the ISAN Work Metadata for the identification of AV Works (covering both individual works and episodes of a series), and the ISAN Version Metadata for the identification of Versions or Variants (Expressions and Manifestations) as well as closely related content and items. Both ISAN metadata sets are registered and stored in the ISAN central repository. It is vital to the integrity of the ISAN system to have the most complete and accurate metadata as possible. If information changes or becomes available after the initial registration, an immediate update is recommended.



### RELATED DOCUMENTS

1. [ISAN User Guide](#)
2. [ISAN Bulk Registration XML Format](#)
3. [ISAN Schema Appendix: List of Codes](#)

## 2. Description of an Audiovisual Work and related Versions

The full set of data that describes a complete audiovisual works, in episodic or non episodic form, with all its versions can be represented in the root object MetadataList.

### METADATALISTTYPE

Attribute	Description	Possible Values	Type	Occurrence
<b>MetadataList</b>	Definition of an audiovisual work and all its versions.	See attributes below.	MetadataListType	1
<b>SerialHeader</b>	Serial Header common to all episodes of a serial work. The serial header need to be defined only once for the whole serial. Only applicable for Serial Works.	See <b>Error! Reference source not found.</b> definition.	SerialHeadertype	0 or 1
<b>WorkMetadata</b>	Description of the audiovisual work.	See <a href="#">Single Works / Serial Episodes: WorkMetadataType</a> definition.	WorkMetadataType	1
<b>VersionMetadataList</b>	Description of all versions of the audiovisual work.	See <a href="#">VersionMetadataType</a> definition.	VersionMetadataList Type	0 or 1

**XML Sample** (see a detailed example at § [0 XML Sample of an AV work and related versions](#))

```

<MetadataList>
  <SerialHeader>...</SerialHeader>
  <WorkMetadata>...</WorkMetadata>
  <VersionMetadataList>
    <VersionMetadata>...</VersionMetadata>
    <VersionMetadata>...</VersionMetadata>
    <VersionMetadata>...</VersionMetadata>
  </VersionMetadataList>
</MetadataList>
  
```

## 3. Audiovisual Work

An ISAN can be applied to any episodic or non episodic Audiovisual Work (AV Work) consisting of a sequence of related images, with or without accompanying sound, which is intended to be made visible as a moving image.

ISAN identifies Audiovisual Works as distinct intellectual audiovisual realizations that exist through their first manifestation. AV Works are considered as abstract things with constant characteristics throughout all their variants regardless of the medium of initial or subsequent fixation (e.g. film print, tape, digital file ...). The first known manifestation of the AV Work is usually (but not necessary) identified at the Work level with a V-ISAN segment set to zero (version zero). For the identification and description of all other variants of the work refer to § [0. Versions of Audiovisual Works](#).

The descriptive information of an audiovisual work is defined in this chapter. The main attribute has a complex type called "**WorkMetadataType**". Episodic and Non Episodic titles share the same WorkMetadataType, but for Episodic works the Episode Details Attribute is required.

### SINGLE WORKS / SERIAL EPISODES: WORKMETADATATYPE

Attribute	Description	Possible Values	Type	Occurrence
<b>WorkMetadata</b>	Descriptive information of an Audiovisual Work. See attributes below		WorkMetadataType	1
<b>ISAN</b>	ISAN of the audiovisual Work	16 hexadecimal digit followed with a check character (using Arabic numerals 0 to 9 and letters A to Z), followed by an 8 hexadecimal digit version segment, followed with a check character (using Arabic numerals 0 to 9 and letters A to Z).  Refer to the description of <a href="#">isanType</a>	<a href="#">isanType</a>	0 or 1*
<b>Type</b>	audiovisual Work Type Code	<b>AD</b> Advert <b>CO</b> Compilation <b>DO</b> Documentary <b>DV</b> Direct to Video <b>ED</b> Educational <b>FF</b> Feature Film <b>GA</b> Video Game <b>NE</b> News <b>PF</b> Performance <b>SE</b> Drama <b>SH</b> Short <b>SP</b> Sport <b>TE</b> Other TV <b>TF</b> TV Movie <b>MM</b> Multimedia <b>LV</b> Live Event <b>VC</b> Video Clip	<a href="#">WorkTypeType</a>	1

Definitions of supported ISAN work types are detailed in the document "ISAN Schema Appendix: List of Codes"

<b>Kind</b>	The Work Kind Code defines whether the work is animated, a live action or a combination of both.	<b>A</b> Animated <b>L</b> Live Action <b>LA</b> Live Action + Animated	<a href="#">WorkKindType</a>	1
		Definitions of supported ISAN work kinds are detailed in the document "ISAN Schema Appendix: List of Codes".		
<b>TitleList</b>	List of Title(s) for the Work (original, alternative, translated)	Refer to the description of <a href="#">TitleListType</a>	<a href="#">TitleListType</a>	1
<b>YearOfReference</b>	Year of reference	YYYY format, from 1896 to current year +1	<a href="#">YearType</a>	1
<b>YearOfFirstPublication</b>	Year of 1 <sup>st</sup> publication	YYYY format, from 1896 to current year +1	<a href="#">YearType</a>	0 or 1
<b>Duration</b>	Approximate length of the Work.	Refer to the description of <a href="#">DurationType</a>	<a href="#">DurationType</a>	1
<b>ColorKind</b>	The color scheme that applies to the moving images.	Black & White Color Colorized Mix of Black & White & Color	<a href="#">ColorType</a>	1
<b>OriginalLanguageList</b>	List of original Language(s) spoken in the audiovisual work	Refer to the description of <a href="#">OriginalLanguageListType</a> .	<a href="#">OriginalLanguageListType</a>	1
<b>ReferenceCountryList</b>	List of countries of reference, i.e. the country(ies) of production and/or shooting	Refer to the description of <a href="#">ReferenceCountryListType</a> .	<a href="#">ReferenceCountryListType</a>	0 or 1
<b>ParticipantList</b>	List of participants such as director, cast, etc....	Refer to the description of <a href="#">ParticipantListType</a>	<a href="#">ParticipantListType</a>	0 or 1**
<b>EpisodeDetail</b>	Optional: applies only to episodic titles. Additional information such as Season and Episode number	Refer to the description of <a href="#">EpisodeDetailType</a>	<a href="#">EpisodeDetailType</a>	0 or 1
<b>CompanyList</b>	List of Production or Publication Company(ies)	or Publication <a href="#">CompanyListType</a> .	<a href="#">CompanyListType</a>	0 or 1
<b>ExternalIdList</b>	List of other identifier for the Work such as the registrant private identifier, ISRC, ISWC, EIDR, etc ...).	See <a href="#">ExternalIdListType</a> definition.	<a href="#">ExternalIdListType</a>	1
<b>CompositeList</b>	List of ISAN that references the composite works (see definition in the ISNA User Guide). Potentially any audiovisual work can be a composite. The composite attribute can be filled in after the ISAN allocation.	A list of composite ISAN for the audiovisual work. See <a href="#">CompositeListType</a> definition.	<a href="#">CompositeListType</a>	0 or 1

\* 0 for ISAN Registration or Matching Tool submissions, 1 for ISAN metadata update or Matching Tool results.

\*\* At least one Director is mandatory

**XML Sample** (see a detailed example at § [0 XML Sample of an AV work and related versions](#))

```
<WorkMetadata>
  <ISAN> ... </ISAN>
  <Type>FF</Type>
  <Kind>L</Kind>
  <TitleList> ... </TitleList>
```

```

<YearOfReference>2001</YearOfReference>
<YearOfFirstPublication>2002</YearOfFirstPublication>
<Duration>...</Duration>
<ColorKind>MIXED</ColorKind>
  <OriginalLanguageList>...</OriginalLanguageList>
  <ReferenceCountryList>...</ReferenceCountryList>
<ParticipantList>...</ParticipantList>
  <EpisodeDetail>...</EpisodeDetail>
  <CompanyList>...</CompanyList>
  <VideoGamesDetails>...</VideoGamesDetails>
<ExternalIdList>...</ExternalIdList>
<CompositeList>...</CompositeList>
</WorkMetadata>
  
```

## SERIAL WORKS: SERIALHEADERTYPE

The Serial Header is the object that represents a serial and links all episodes of the serial whatever the season. There is only one serial header for a serial, its main attribute is the list of titles for the serial.

Note that ISAN does not identify series as such, instead, series are identified through the episodes that compose the series. All episodes of a serial share the same ISAN root segment, consequently the serial header identifier corresponds to this root ISAN shared by all episodes.

The `SerialHeaderId` is only created when a first episode of the serial is identified with ISAN. For bulk loads of new serials, use the `SerialHeaderRegistrantId` instead.

Attributes	Description	Possible Values	Type	Occurrence
<b>SerialHeader</b>	A Serial Header that groups all episodes of a serial.	<b><i>SerialHeaderRegistrantId</i></b> , <b><i>SerialHeaderId</i></b> , <b><i>TitleList</i></b> attributes.	<a href="#">SerialHeaderType</a>	1
<b>SerialHeaderId</b>	Serial Header Identifier.	12 hexadecimal digits identical to the ISAN root segment that is shared by episodes of the serial. Refer to the description of <i>isanType</i> .  <b>NOTE:</b> <i>SerialHeaderId</i> is created with the first episode of the serial. It and can therefore not be used for a new serial registration; use a <b><i>SerialHeaderRegistrantId</i></b> instead.	<a href="#">isanType</a>	0 or 1*
<b>SerialHeaderRegistrantId</b>	Registrant ID (or token) provided by the registrant to identify a Serial Header.	This ID or Token is only known and usable by the Registrant of the first ISAN allocated to an episode of the series. It shall usually only be used in bulk registrations for new series that have never been registered with ISAN.	<a href="#">SerialHeaderRegistrantIdType</a>	0 or 1*
<b>SerialTitleList</b>	List of Title(s) for the Serial.	Refer to the description of <i>TitleListType</i> .	<a href="#">TitleListType</a>	1

\* A least one ***SerialHeaderRegistrantId*** or ***SerialHeaderId*** must be present for ISAN Registration.

## XML Sample

```

<SerialHeader>
  <SerialHeaderId>
    <Root>0000-0000-DC86</Root>
  </SerialHeaderId>
  <SerialTitleList>
  <TitleDetail>
    <TitleKind>ORIGINAL</TitleKind>
    <Language>
      <LanguageLabel>English</LanguageLabel>
      <LanguageCode>
    
```



```
                <CodingSystem>ISO639 2</CodingSystem>
                <ISO639 2Code>ENG</ISO639 2Code>
            </LanguageCode>
        </Language>
        <Title>Baywatch</Title>
    </TitleDetail>
<TitleDetail>
    <TitleKind>ALTERNATE</TitleKind>
    <Language>
        <LanguageLabel>French</LanguageLabel>
        <LanguageCode>
            <CodingSystem>ISO639 2</CodingSystem>
            <ISO639 2Code>ENG</ISO639 2Code>
        </LanguageCode>
    </Language>
    <Title>Alerte à Malibu</Title>
</TitleDetail>
</SerialTitleList>
</SerialHeader>
```

## 4. Versions of an Audiovisual Work

Versions (or variants) of audiovisual works can be identified with an ISAN Version enabling a thinner granularity in identification of audiovisual contents.

An ISAN version can be applied to any specific instance of an AV Work that can result from any particular aggregation of elements that affect the content of an Audiovisual Work already identified with an ISAN.

Versions can apply to expressions (e.g. language variants) or manifestations (e.g. Editions, a Blu-ray or a digital media encoding). Versions can also apply to other content closely related to the Audiovisual Work such as trailers, audio tracks, closed captioning tracks, etc.:

The descriptive information of a version is defined in this chapter. The main attribute has a complex type called “**VersionMetadataType**”.

### VERSIONMETADATATYPE

Attribute	Description	Possible Values	Type	Occurrence
<b>VersionMetadata</b>	Descriptive information of the version of an AV work.	See attributes below.	VersionMetadataType	1
<b>ISAN</b>	ISAN code of the version	16 hexadecimal digit followed with a check character (using Arabic numerals 0 to 9 and letters A to Z), followed by an 8 hexadecimal digit version segment, followed with a check character (using Arabic numerals 0 to 9 and letters A to Z). Refer to the description of <i>isanType</i>  Note: The Version segment cannot be 0000-0000.	<a href="#">isanType</a>	0 or 1
<b>VersionIntentionList</b>	This list defines the type of version (Language, edition, media,...) and enables relationships with other versions as for example to build <b>hierarchies between Expressions and Manifestations</b> , or to link soundtracks to dubbed versions.	Refer to the description of <a href="#">VersionIntentionListType</a> .	<a href="#">VersionIntentionListType</a>	1
<b>VersionDescriptionList</b>	Additional descriptions for the version. The first Descriptions should outline the reason for the version as for example “2011 Blu-ray reedition for USA and Canada”. Additional descriptions are useful to provide information for which a specific attribute has not yet been defined as for example the encoding profile for a digital encoding, or the mezzanine characteristics/filename.	Refer to the description of <a href="#">VersionDescriptionType</a> .	<a href="#">DescriptionListType</a>	1
<b>TitleList</b>	The list of titles for version of the AV Work (original, alternate, translated)	Refer to the description of <a href="#">TitleListType</a> .	<a href="#">TitleListType</a>	1
<b>RunningTime</b>	The running time of the version of the AV work	Refer to the description of <a href="#">DurationType</a> .	<a href="#">DurationType</a>	0 or 1
<b>YearOfRelease</b>	The year of release/ reference of the version. For expressions use the same year as the parent.	YYYY format, from 1896 to current year +1	<a href="#">YearType</a>	1
<b>VersionLanguageList</b>	List of all spoken and written language(s) for the version of the AV work. Mandatory for “Language	Refer to the description of	<a href="#">VersionLanguageListType</a>	0 or 1

	Variants" and for "Soundtracks" and "Closed Captioning Tracks".	VersionLanguageListType.	<a href="#">pe</a>	
<b>ExternalIdList</b>	List of other identifier for / linked to the AV Work.	Refer to the description of <a href="#">ExternalIdListType</a> .	<a href="#">ExternalIdListType</a>	0 or 1
<b>VersionDistribution</b>	Information about the distribution of the version	Refer to the description of <a href="#">DistributionType</a> .	<a href="#">DistributionType</a>	0 or 1
<b>RatingList</b>	Rating information per country.	Refer to the description of <a href="#">RatingListType</a> .	<a href="#">RatingListType</a>	0 or 1
<b>ContentAlertList</b>	A list of content alert for the version	Refer to the description of <a href="#">ContentAlertType</a> .	<a href="#">ContentAlertListType</a>	0 or 1
<b>Codified</b>	Up to 3 Registrant custom fields previously defined in a registered schema with ISAN-IA.	Refer to the description of <a href="#">CodifiedType</a> .	<a href="#">CodifiedType</a>	0 or 1
<b>VesionAdminInfo</b> (DRAFT)	Administrative details about a version. Contains information such as registrant details, Registration Agency, V-ISAN issuance and update dates, preferred Resolution Service provider.	Refer to the description of <a href="#">VAdminDataType</a>	VAdminDataType	1

## XML Sample (see a detailed example at § 0 [XML Sample of an AB work and related versions](#))

```

<VersionMetadata>
  <ISAN>...</ISAN>
  <VersionIntentionList>...</VersionIntentionList>
  <VersionDescriptionList>...</VersionDescriptionList>
  <TitleList>...</TitleList>
  <RunningTime>...</RunningTime>
  <YearOfRelease>2007</YearOfRelease>
  <VersionLanguageList>...</VersionLanguageList>
  <ExternalIdList>...</ExternalIdList>
  <VersionDistribution>...</VersionDistribution>
  <RatingList>...</RatingList>
  <ContentAlertList>...</ContentAlertList>
  <Codified>...</Codified>
  <VersionAdminInfo>...</VersionAdminInfo>
</VersionMetadata>

```

## 5. Sub-types for AV Work Descriptions

The types defined in this section apply only to audiovisual work descriptions as defined in § 3. [Audiovisual Work](#)

### REFERENCECOUNTRYLISTTYPE

A list of country(ies) of reference for the production, publication or shooting of the audiovisual work.

Attributes	Description	Possible Values	Type	Occurrence
<b>ReferenceCountryList</b>	List of countries of reference	List of <i>ReferenceCountry</i> attributes as defined below.	<a href="#">ReferenceCountryListType</a>	0 or 1
<b>ReferenceCountry</b>	Country of reference	A country of Production or Publication or Shooting	<a href="#">ReferenceCountryType</a>	1 or more
<b>RelatedAction</b>	The related action that defines the country of reference	<b>PRO</b> Production Location. <b>PUB</b> Publication Location <b>SHO</b> Shooting Location.	<a href="#">CompanyRoleCodeType</a>	1
<b>Country</b>	The ISO country code and label	Refer to the description of <a href="#">CountryType</a>	<a href="#">CountryType</a>	1

### XML Sample

```

<ReferenceCountryList>
  <ReferenceCountry>
    <RelatedAction>PRO</RelatedAction>
    <Country>
      <CountryLabel>United States</CountryLabel>
      <CountryCode>
        <CodingSystem>ISO3166 1</CodingSystem>
        <ISO3166_1Code>US</ISO3166_1Code>
      </CountryCode>
    </Country>
  </ReferenceCountry>
  <ReferenceCountry>
    <RelatedAction>PRO</RelatedAction>
    <Country>
      <CountryLabel>France</CountryLabel>
      <CountryCode>
        <CodingSystem>ISO3166 1</CodingSystem>
        <ISO3166_1Code>FR</ISO3166_1Code>
      </CountryCode>
    </Country>
  </ReferenceCountry>
</ReferenceCountryList>

```

## ORIGINALLANGUAGELISTTYPE

The original language(s) that is (are) spoken in the audiovisual work. For silent works use the custom QSI code (Mute Film) from the list of ISO 639-2 Language Codes.

Attributes	Description	Possible Values	Type	Occurrence
<b>OriginalLanguageList</b>	List of original spoken language(s) for the AV Work	List of <b>OriginalLanguage</b> attributes. See the definition below.	<a href="#">OriginalLanguageListType</a>	1
<b>OriginalLanguage</b>	Original Language. For silent works, use the custom QSI code (Mute Film) from the list of ISO 639-2 Language Codes.	Refer to the description of <a href="#">LanguageType</a> .	<a href="#">LanguageType</a>	1 or more

## XML Sample

```

<OriginalLanguageList>
  <Language>
    <LanguageLabel>English (US)</LanguageLabel>
    <LanguageCode>
      <CodingSystem>RFC3066</CodingSystem>
      <CodeRFC3066>en-US</CodeRFC3066>
    </LanguageCode>
  </Language>
  <Language>
    <LanguageLabel>French</LanguageLabel>
    <LanguageCode>
      <CodingSystem>ISO639_2</CodingSystem>
      <CodeISO639_2>FRE</CodeISO639_2>
    </LanguageCode>
  </Language>
</OriginalLanguageList>

```

## COMPANYLISTTYPE

A list of production (or publication ) companies involved in the production ( publication) of the audiovisual work.

Attributes	Description	Possible Values	Type	Occurrence
<b>CompanyList</b>	List of companies	A list of <b>Company</b> attributes. A company list can only contains companies that have the same CompanyKind.	<a href="#">CompanyListType</a>	0 or 1
<b>Company</b>	Description of a Company	A <b>CompanyName</b> and a <b>CompanyKind</b> attributes.	<a href="#">CompanyType</a>	1 or more
<b>CompanyKind</b>	The Kind of Company.	<b>PRO</b> Production company. Do not use this kind for Video Games <b>PUB</b> Publication Company. Use this Kind <u>only</u> for Video Games or Compilations	<a href="#">CoPRolecodeType</a>	1
<b>CompanyName</b>	The name of the production / publication company, in mixed case with any appropriate accent marks.	The following rules apply for production companies: 1- Use consistent naming (20th Century or Twentieth Century but not both) 2- Do not put distribution companies, right owner or in case	<a href="#">CompanyNameType</a>	1

of merger new company, group, etc. Only put ORIGINAL production/distribution companies

**Note:** Company Name must be presented in the standard Latin alphabet.

## XML Sample

```
<CompanyList>
  <Company>
    <CompanyKind>PRO</CompanyKind>
    <CompanyName>Sony Pictures Entertainment</CompanyName>
  </Company>
  <Company>
    <CompanyKind>PRO</CompanyKind>
    <CompanyName>Columbia Pictures</CompanyName>
  </Company>
  <Company>
    <CompanyKind>PRO</CompanyKind>
    <CompanyName>Metro Goldwyn Mayer</CompanyName>
  </Company>
</CompanyList>
```

## COMPOSITELISTTYPE

A composite work is an AV Work which contains one or more other AV Works or portions of AV Works, each of which is insubstantial in relation to the entire Composite AV Work (e.g. segments, highlights, etc). Any AV Work can potentially be a composite. The composite information can be provided anytime.

**EXAMPLES:** A feature film which contains parts of animated cartoons or other film clips; a television program that contains footage from previously produced feature films, from episodes of television series, or from other audiovisual works.

In the ISAN schema, a composite is represented as a list of ISAN, each ISAN identify the audiovisual works from which components have been included in the composite work.

Attributes	Description	Possible Values	Type	Occurrence
<b>CompositeList</b>	List of composite works	List of <b>ISAN</b> attributes	<a href="#">CompositeListType</a>	0 or 1
<b>ISAN</b>	ISAN of the work from which one or several components have been included in the composite work currently described..	16 hexadecimal digit followed with a check character (using Arabic numerals 0 to 9 and letters A to Z), followed by an 8 hexadecimal digit version segment, followed with a check character (using Arabic numerals 0 to 9 and letters A to Z).  Refer to the description of <i>isanType</i> .	<a href="#">isanType</a>	1 or more

## XML Sample

```
<CompositeList>
  <ISAN>
    <Root>0000-0000-CFF1</Root>
    <EpisodeOrPart>004B</EpisodeOrPart>
    <Check1>1</Check1>
    <Version>0000-0000</Version>
    <Check2>Y</Check2>
  </ISAN>
</ISAN>
```

```

<Root>0000-0001-B495</Root>
<EpisodeOrPart>000B</EpisodeOrPart>
<Check1>9</Check1>
<Version>0000-0000</Version>
<Check2>A</Check2>
</ISAN>
<ISAN>
  <Root>0000-0000-6776</Root>
  <EpisodeOrPart>0000</EpisodeOrPart>
  <Check1>8</Check1>
  <Version>0000-0000</Version>
  <Check2>D</Check2>
</ISAN>
</Composites>
  
```

## PARTICIPANTLISTTYPE

The list of participants such a director, cast,... that are involved in the audiovisual work. At least one Director is mandatory. A scriptwriter and 3 actors are highly recommended when applicable.

Attributes	Description	Possible Values	Type	Occurrence
<b>ParticipantList</b>	List of Participants to the AV Work	<b>Participant</b> attributes.  NOTE: If the same person performed more than one distinct function you may list them more than once, each time with a different <b>ParticipantRoleCode</b> . (If actors played more than one role, only list them once with the ACT code.)	<a href="#">ParticipantListType</a>	1
<b>Participant</b>	Participant's information. See definition below.	<b>FirstName</b> , <b>LastName</b> , <b>ParticipantRoleCode</b> attributes.  At least one <b>Participant</b> with RoleCode "DIR" must be present.  Ignore the name particle if any.	<a href="#">ParticipantType</a>	1 or more
<b>FirstName</b>	Participant's first name	Includes the middle name if available. Cannot include numbers.	<a href="#">ParticipantNameType</a>	1
<b>LastName</b>	Participant's last name	Cannot include numbers, length must be greater than 3 characters.	<a href="#">ParticipantNameType</a>	1
<b>RoleCode</b>	The role of the participant in the AV Work.	<b>ACT</b> Actor <b>ANC</b> Anchor <b>CAS</b> Cast <b>CDES</b> Character Designer <b>CREA</b> Creator <b>CHA</b> Character <b>COM</b> Composer <b>DEV</b> Developer (Video Game) <b>DIR</b> Director ( <b>Mandatory</b> ) <b>DIS</b> Distributor <b>EPRO</b> Executive Producer <b>GDES</b> Game Designer (Video Game) <b>GDIR</b> Game Director (Video Game) <b>LPRO</b> Lead Programmer (Video Game) <b>PRO</b> Producer <b>SCR</b> Screenwriter <b>SPK</b> Speaker <b>NAR</b> Narrator	<a href="#">ParticipantRoleCodeType</a>	1

This list is not exhaustive and can be enriched if required (contact [cs@isan.org](mailto:cs@isan.org))

## XML Sample

```

<ParticipantList>
  <Participant>
    <FirstName>Martin</FirstName>
    <LastName>Campbell</LastName>
    <RoleCode>DIR</RoleCode>
  </Participant>
  <Participant>
    <FirstName>Barbara</FirstName>
    <LastName>Broccoli</LastName>
    <RoleCode>PRO</RoleCode>
  </Participant>
  <Participant>
    <FirstName>Neal</FirstName>
    <LastName>Purvis</LastName>
    <RoleCode>SCR</RoleCode>
  </Participant>
  <Participant>
    <FirstName>Daniel</FirstName>
    <LastName>Craig</LastName>
    <RoleCode>ACT</RoleCode>
  </Participant>
  <Participant>
    <FirstName>Judi</FirstName>
    <LastName>Dench</LastName>
    <RoleCode>ACT</RoleCode>
  </Participant>
  <Participant>
    <FirstName>Eva</FirstName>
    <LastName>Green</LastName>
    <RoleCode>ACT</RoleCode>
  </Participant>
</ParticipantList>
  
```

## EPISODEDETAILTYPE

This object is specific to serial episodes, it creates the link with the Serial Header when new episodes need to be registered with ISAN, and contain the Season and Episode Number information.

Attributes	Description	Possible Values	Type	Occurrence
<b>EpisodeDetail</b>	Specific metadata for Episodic Works	<b>SerialHeaderRegistrantId, SerialHeaderId, Season, Episode</b> attributes.	<a href="#">EpisodeDetailType</a>	1
<b>SerialHeaderId</b>	Serial Header Identifier.	12 hexadecimal digits identical to the ISAN root segment that is shared by episodes of the serial. Refer to the description of <i>isanType</i> .  <b>NOTE:</b> <i>SerialHeaderId</i> is created with the first episode of the serial. It and can therefore not be used for a new serial registration; use a <b>SerialHeaderRegistrantId</b> instead.	<a href="#">isanType</a>	0 or 1*
<b>SerialHeaderRegistrantId</b>	Registrant ID (or token) provided by the registrant to identify a Serial Header.	This ID or Token is only known and usable by the Registrant of the first ISAN allocated to an episode of the series. It shall usually only be used in bulk registrations for new series that have never been registered with ISAN.	<a href="#">SerialHeaderRegistrantIdType</a>	0 or 1*



<b>Season</b>	Season Number	Usually a number (integer).	<a href="#">SeasonType</a>	0 or 1
<b>Episode</b>	Episode Number	Usually a number (integer).	<a href="#">EpisodeType</a>	0 or 1

\* A least one **SerialHeaderRegistrantId** or **SerialHeaderId** must be present for ISAN Registration.

## XML Sample

```
<EpisodeDetail>  
  <SerialHeaderRegistrantId>123456879</SerialHeaderRegistrantId>  
  <Season>2</Season>  
  <Episode>23</Episode>  
</EpisodeDetail>
```

## 6. Sub-types for Version Descriptions

### VERSIONINTENTIONLISTTYPE

The version intension list defines the type of the version (Language, edition, media,...) and enables relationships with other versions as for example to build hierarchies between Expressions and Manifestations or to link soundtracks to dubbed versions.

Attribute	Description	Possible Values	Type	Occurrence
<b>VersionIntentionList</b>	List of version types and relationships with other versions.	See attributes below.	<a href="#">VersionIntentionListType</a>	1
<b>VersionIntention</b>	One version type is required, several optional relationships are allowed .	See attributes below.	<a href="#">VersionIntentionType</a>	1 or more
<b>IntentionKind</b>	The version type or relationship.	<b>LINGUISTIC</b> Language variant such as dubbing or subtitling. Can apply to Expressions and/or Manifestations. <hr/> <b>EDITION</b> Edition variant such as add-ons or cutoffs (e.g. ads inserts or local adaptation, a clip extracted from the work, etc). Can apply to Expressions and/or Manifestations. <hr/> <b>MEDIA</b> A media fixation of the work or one of its manifestations (e.g. Blu-ray, digital encoding, a mezzanine file, etc...). Media versions are always manifestations. <hr/> <b>RELATED_ITEM</b> A closely related Content or closely related Item. <u>Related contents</u> can be trailers or promotional material of the work, supplemental material (behind the scenes, bonus, interviews, ..), etc... <u>Related Items</u> can be soundtracks, closed captioning tracks, fingerprints, etc... <hr/> <b>OTHER</b> Any unlisted type of version. <hr/> <b>VERSION_OF_VERSION</b> This intention is to be combined with the intentions above in order to create a	<a href="#">IntentionKindType</a>	1

relationship with other versions as for example to built hierarchies between Expressions and Manifestations, or to link a soundtrack to a language variant. A **Relation** attribute that defines the parent version is mandatory.

<b>Relation</b>	The ISAN Version of the parent when a relationship is created with the VERSION_OF_VERSION intention.	See <a href="#">isanType</a> definition.	<a href="#">isanType</a>	0 or 1*
-----------------	--	--	--------------------------	---------

\* Only used and mandatory for VERSION\_OF\_VERSION

**XML Sample:** A media fixation (manifestation) of a language variant (expression / parent version) identified with the ISAN Version ISAN 1234-1234-1234-0023-X-0000-0102-Y

```
<VersionIntentionList>
<Intention>
<IntentionKind> VERSION OF VERSION</IntentionKind>
<Relation>
<ISAN>
<root>1234-1234-1234</root>
<episodeOrPart>0023</episodeOrPart>
<check1>X</check1>
<version >0000-0102</version>
<check2>Y</check2>
</ISAN>
</Relation>
</Intention>
<Intention>
<IntentionKind>MEDIA</IntentionKind>
</Intention>
</VersionIntentionList>
```

## VERSIONDESCRIPTIONTYPE

A short description for the version as for example “2011 Blu-ray re-edition for USA and Canada” or “Theatrical Trailer for Germany”. More descriptions can be provided in the same or in other languages (translations), usefull for example to provide information of importance for the registrant for which no specific field has been defined so far (for example the encoding profile for a digital encoding, or the mezzanine characteristics/filename).

Attribute	Description	Possible Values	Type	Occurrence
<b>VersionDescription List</b>	A list of descriptions for the version. A version description can optionally be provided in several languages.	A list of <b>VersionDescription</b> attributes.	<a href="#">DescriptionList Type</a>	1
<b>VersionDescription</b>	A description for the version in a given	A <b>Description</b> and <b>Language</b> attributes.	<a href="#">DescriptionTyp</a>	1 or

	language.		<a href="#">e</a>	more
<b>Description</b>	Text that shortly describe the version	Free text that describes the version and is complementary to the "version intention". The description must be precise and focused on the specificity of the version. Any relevant information to identify the version that is not covered by a specific field and relevant for the registrant to differentiate this version from another can be added in the description..	String	1
<b>Language</b>	The language in which the description is written.	Refer to the description of <a href="#">LanguageType</a> .	<a href="#">LanguageType</a>	1

## XML Sample

```
<VersionDescriptionList>
<VersionDescription>
<Description>Suppression de toutes les séquences de nus </Description>
<Language>
<LanguageLabel>French</LanguageLabel>
<LanguageCode>
<CodingSystem>ISO639_2</CodingSystem>
<CodeISO639_2>FRE</CodeISO639_2>
</LanguageCode>
</Language>
</VersionDescription>
<VersionDescription>
<Description>Cut of all sequences with nudity content</Description>
<Language>
<LanguageLabel>English (US) </LanguageLabel>
<LanguageCode>
<CodingSystem>ISO639_2</CodingSystem>
<CodeISO639_2>ENG</CodeISO639_2>
</LanguageCode>
</Language>
</VersionDescription>
</VersionDescriptionList>
```

## VERSIONLANGUAGELISTTYPE

The enumeration of all spoken and written languages that applies to the version. At least one spoken language is mandatory; for silent works use the custom QSI code (Mute Film) from the list of ISO 639-2 Language Codes.

Attributes	Description	Possible Values	Type	Occurrence
<b>VersionLanguageList</b>	List of enumerated language(s) for the version of the AV Work.	List of <b>VersionLanguage</b> attributes. See the definition below.	<a href="#">VersionLanguageListType</a>	1
<b>VersionLanguage</b>	Language information	See attributes below.	<a href="#">VersionLanguageType</a>	1 or more
<b>LanguageKind</b>	The kind of enumerated languages	<b>SPOKEN</b> <b>SUBTITLES</b> <b>WRITINGS</b>	<a href="#">LanguageKind</a>	1

**CAPTIONS** the language of the captions for deaf and hard hearing accessibility.  
**AUDIO\_DESC** The language of the audio description for blind people.

<b>Language</b>	The language code and label.	Refer to the description of <a href="#">LanguageType</a> .	<a href="#">LanguageType</a>	1
-----------------	------------------------------	--	------------------------------	---

## XML Sample

```

<VersionLanguageList>
  <VersionLanguage>
    <LanguageKind>SUBTITLES</LanguageKind>
    <Language>
      <LanguageLabel>English</LanguageLabel>
      <LanguageCode>
        <CodingSystem>ISO639_2</CodingSystem>
        <CodeISO639_2>ENG</CodeISO639_2>
      </LanguageCode>
    </Language>
  </VersionLanguage>
  <VersionLanguage>
    <LanguageKind>SUBTITLES</LanguageKind>
    <Language>
      <LanguageLabel>French</LanguageLabel>
      <LanguageCode>
        <CodingSystem>ISO639_2</CodingSystem>
        <CodeISO639_2>FRE</CodeISO639_2>
      </LanguageCode>
    </Language>
  </VersionLanguage>
</VersionLanguageList>

```

## DISTRIBUTIONTYPE

Version Distribution information.

Attribute	Description	Possible Values	Type	Occurrence
<b>VersionDistribution</b>	The version distribution information.	A <i>DistributionKind</i> , <i>DistributionMedia</i> and <i>DistributionPlatform</i> attributes.	<a href="#">DistributionType</a>	0 or 1
<b>DistributionKind</b>	Distribution kind	<b>THEATRICAL</b> The version is intended for a theatre distribution <b>BROADCAST</b> The version is intended to be broadcasted. Use this distribution kind for free tv, satellite, internet, IP, VOD, etc... distribution <b>HOME_VIDEO</b> The version is intended for home video. Use this distribution kind for Video, Games, etc... <b>AIRLINE</b> The version is intended for airlines <b>OTHER</b> The version is intended for unlisted distribution kinds	<a href="#">DistributionKindType</a>	1
<b>DistributionMedia</b>	Physical media of fixation or logical media such as a	<b>BETAMAX</b> Betamax tape <b>BLU-RAY</b> Blu-ray disk	<a href="#">DistributionMedia</a>	1

	digital file or stream.	<b>DIGITAL_PRINT</b>	Digital Print for Digital Cinema		
		<b>DVD</b>	Digital Versatile Disc or Digital Video Disc		
		<b>EVD</b>	Enhanced Versatile Disc (Similar to DVD mostly used in China)		
		<b>FILM_PRINT</b>			
		<b>HDDVD</b>	HD DVD: High Definition Digital Versatile Disc or High Definition Digital Video Disc, is similar to the competing Blu-ray Disc		
		<b>VHS</b>	Video Home System, magnetic tape.		
		<b>OTHER_TAPE</b>	Unlisted tapes		
		<b>DIGITAL_FILE</b>	Digital encoding (whatever codec and profile)		
		<b>DIGITAL_STREAM</b>	Digital streaming encoding (whatever codec and profile)		
		<b>OTHER</b>	Unlisted media		
<b>DistributionPlatform</b>	Principal distribution platform targeted	<b>DIGITAL_CINEMA</b>	To be used for digital Cinema distribution	<a href="#">DistributionPlatformType</a>	1
	See the list of platform below	<b>CABLE_SATELLITE</b>	To be used for basic cable and/or satellite distribution		
		<b>FREE_TV</b>	To be used for free TV distribution		
		<b>DIGITAL_TERRESTRIAL</b>	To be used for digital terrestrial distribution		
		<b>PAY_PER_VIEW</b>	To be used for pay per view distribution		
		<b>PAY_TV_VOD</b>	To be used for pay TV and VOD distribution		
		<b>INTERNET</b>	To be used for streaming and any file distributed over Internet. The media in this distribution mode is not physical (DVD, CD, Tape...)		
		<b>PORTABLE_DEVICE</b>	To be used for portable device distribution (iPod, cell phones, PDA, etc...)		
		<b>COMPUTER</b>	To be used for computer distribution whatever the Operating System. This distribution platform implies the use of a physical media (DVD, CD, Tape...) which is not the case for an INTERNET distribution.		
		<b>GAME_CONSOLE</b>	To be used for game console distribution (Xbox, Play-station, Play-station portable,		

<b>ONLINE</b>	Game Cube, etc...) To be used for an online distribution (Video Games)
<b>MULTIPLE</b>	To be used when the version is intended for several distributions listed here (e.g CABLE_SATELLITE + PAY_PER_VIEW + PAY_TV_VOD)
<b>OTHER</b>	Any other distribution that is not covered by this list.

## XML Sample

```
<VersionDistribution>
<DistributionKind>THEATRICAL</DistributionKind>
<DistributionPlatform>FILM_PRINT_CINEMA</DistributionPlatform>
<DistributionMedia>FILM_PRINT</DistributionMedia>
</VersionDistribution>
```

Or

```
<VersionDistribution>
<DistributionKind>HOME_VIDEO</DistributionKind>
<DistributionMedia>BLU-RAY</DistributionMedia>
<DistributionPlatform>GAME_CONSOLE</DistributionPlatform>
</VersionDistribution>
```

## RATINGLISTTYPE

List of country based ratings that apply to a version of an audiovisual work.

Attribute	Description	Possible Values	Type	Occurrence
<b>RatingList</b>	The list of country based ratings that apply to the version.	A list of <i>Rating</i> attributes	<a href="#">RatingListType</a>	0 or 1
<b>Rating</b>	A country based rating	A <i>CountryCode</i> , <i>RatingSystem</i> and <i>RatingCode</i> attributes.	<a href="#">RatingType</a>	1 or more
<b>RatingCountry</b>	The country code where the rating apply	Refer to the description of <i>CountryType</i> .	<a href="#">CountryType</a>	1
<b>RatingSystem</b>	The rating system applicable in the country	Refer to the document " <a href="#">ISAN Schema Appendix: List of Codes</a> " for the list and definition of supported Ratings and Codes.	String	1
<b>RatingCode</b>	The rating code (specific to the rating system)	Refer to the document "ISAN Schema Appendix: List of Codes" for the list and definition of supported Ratings and Codes.	String	1

## XML Sample

```

<RatingList>
  <Rating>
    <RatingCountry>
      <CountryLabel>United States</CountryLabel>
      <CountryCode>
        <CodingSystem>ISO3166 1</CodingSystem>
        <CodeISO3166_1>US</CodeISO3166_1>
      </CountryCode>
    </RatingCountry>
    <RatingSystem>TVPG</RatingSystem>
    <RatingCode>TV-PG-D-V</RatingCode>
  </Rating>
  <Rating>
    <RatingCountry>
      <CountryLabel>France</CountryLabel>
      <CountryCode>
        <CodingSystem>ISO3166 1</CodingSystem>
        <CodeISO3166_1>FR</CodeISO3166_1>
      </CountryCode>
    </RatingCountry>
    <RatingSystem>CSA</RatingSystem>
    <RatingCode>12+</RatingCode>
  </Rating>
</RatingList>
  
```

## CONTENTALERTTYPE

A list of a content alert that apply to the version.

Attribute	Description	Possible Values	Type	Occurrence
<b>ContentAlertList</b>	A list of content alerts.	A list of <b>ContentAlert</b> attributes.	<a href="#">ContentAlertListType</a>	0 or 1
<b>ContentAlert</b>	A content alert for the version	An <b>AlertCode</b> and a <b>CountryList</b> attributes.	<a href="#">ContentAlertType</a>	1
<b>AlertCode</b>	Type of content alert	<b>ALCOHOL</b> Reference or use of alcohol <b>BLASPHEMY</b> Reference to blasphemy <b>BLOOD</b> View of blood, animated blood <b>DRUG</b> Reference or use of drugs <b>GAMBLING</b> Reference to Gambling <b>GORE</b> View of blood and gore <b>KISSING</b> Reference to Kissing <b>LANGUAGE</b> Crude language, lyrics or humor <b>MATURE</b> Mature content <b>MISCHIEF</b> Reference of Mischief <b>NUDITY</b> View of Nudity <b>SEXUAL</b> Sexual content <b>TOBACCO</b> Reference or use of tobacco <b>VIOLENCE</b> References to violence <b>OTHER</b> Any other alert not covered by this list <small><i>This list is still under evaluation and is subject to changes in future version of this document</i></small>	<a href="#">AlertCodeType</a>	1
<b>CountryList</b>	The list of countries where the content alert applies.	Refer to the description of <a href="#">CountryListType</a> .	<a href="#">CountryListType</a>	1



## XML Sample:

```

<ContentAlertList>
  <ContentAlert>
    <ContentCode>ALCOHOL</ContentCode>
    <CountryList>
      <Country>
        <CountryLabel>United States</CountryLabel>
        <CountryCode>
          <CodingSystem>ISO3166_1</CodingSystem>
          <CodeISO3166_1>US</CodeISO3166_1>
        </CountryCode>
      </Country>
      <Country>
        <CountryLabel>France</CountryLabel>
        <CountryCode>
          <CodingSystem>ISO3166_1</CodingSystem>
          <CodeISO3166_1>FR</CodeISO3166_1>
        </CountryCode>
      </Country>
    </CountryList>
  </ContentAlert>
  <ContentAlert>
    <ContentCode>LANGUAGE</ContentCode>
    <CountryList>
      <Country>
        <CountryLabel>United States</CountryLabel>
        <CountryCode>
          <CodingSystem>ISO3166_1</CodingSystem>
          <CodeISO3166_1>US</CodeISO3166_1>
        </CountryCode>
      </Country>
    </CountryList>
  </ContentAlert>
</ContentAlertList>

```

## CODIFIEDTYPE

ISAN Version Registrants can register up to three custom data elements that provide further clarification of the unique characteristics of this particular version. Registrants need therefore to register previously with ISAN-IA their XML schema that describes the custom fields. Several registered schemas are allowed for the same registrant. To register a codified schema or obtain further information, contact [cs@isan.org](mailto:cs@isan.org).

Attribute	Description	Possible Values	Type	Occurrence
<b>CodifiedVersion</b>	Codified custom fields that complements the ISAN Version descriptive information.	A <b>CodifiedSchema</b> and a <b>CodifiedDescription</b> attributes.	<a href="#">CodifiedType</a>	0 or 1
<b>CodifiedSchema</b>	The name and location of the custom registered schema used for the codified version description. (Only schemas registered with ISAN-IA are allowed.)	Text	String	1
<b>CodifiedDescription</b>	Up to three data elements drawn from the schema defined in <b>CodifiedSchema</b> and that provide further clarification of the unique characteristics of this particular version.	Up to three <b>CodifiedField</b> attributes.	<a href="#">CodifiedDescriptionType</a>	1
<b>CodifiedField1</b>	Custom fields drawn from a codified	Free Text	String	0 or 1

**CodifiedField2**

 Registered Schema described in the **CodifiedSchema** attribute.

**CodifiedField3**

**XML Sample:** Custom fields that describe the cinematographic process used to produce this particular version.

```

.<CodifiedVersion>
  <CodifiedSchema>http://www.isan.org/(...)/ISAN/codif_schema_exemple.xsd</CodifiedSchema>
  <CodifiedDescription>
    <CodifiedField1>Digital Intermediate (2K) (master format)</CodifiedField1>
    <CodifiedField2>Fusion Camera (dual-strip 3-D) (source format)</CodifiedField2>
    <CodifiedField3>HDCAM SR (1080p/24) (source format)</CodifiedField3>
  </CodifiedDescription>
</CodifiedVersion>
  
```

The XML Schema “codif\_schema\_exemple.xsd” previously registered with ISAN-IA details the signification of the three codified fields including the label to display for each field.

**VADMINDATATYPE (DRAFT)**

Administrative metadata of the version. Contains information such as registrant details, Registration Agency, V-ISAN issuance and update dates, preferred Resolution Service provider.

Attribute	Description	Possible Values	Type	Occurrence
<b>OriginalRegistrant</b>	Name and contact information of the original registrant or original applicant.	Refer to the description of <a href="#">ContactType</a>	ContactType	1
<b>V-ISANRegistrant</b>	Name and contact information of the entity currently responsible for keeping the V-ISAN descriptive and administrative metadata up to date.  Can be identical as the Original / Current Registrant	Refer to the description of <a href="#">ContactType</a>	ContactType	1
<b>CurrentRegistrant</b>	Name and contact information of the current registrant. The current registrant might be different from the original registrant in case of V-ISAN transfer to another registrant.	Refer to the description of <a href="#">ContactType</a>	ContactType	0 or 1
<b>RegistrationAgency</b>	Registration Agency Responsible for the V-ISAN	Name of the Registration Agency	String	1
<b>CreationDate</b>	V-ISAN issuance date.	Timestamp for the Issuance of the V-ISAN	ISO8601_DateTimeType	1
<b>UpdateDate</b>	V-ISAN metadata last update date	Timestamp for the last update of the V-ISAN administrative or descriptive information	ISO8601_DateTimeType	1
<b>DesignatedRSP</b>	Link to a Resolution Service Provider (RSP) chosen by the registrant of the	Refer to the description RSPTYPE	RSPTYPE	0 or 1

version. The RSP can resolve the ISAN version to provide additional information for this version such as technical details (encoding schemes), enriched metadata (synopsis, awards, etc...), related items (fingerprints, ...), licensing rights, etc..

### XML Sample:

```
<VesionAdminInfo>
  <OriginalRegistrant>...</OriginalRegistrant>
  <V-ISANRegistrant>...</V-ISANRegistrant>
  <CurrentRegistrant>...</CurrentRegistrant>
  <RegistrationAgency>ISAN Italy</RegistrationAgency>
  <CreationDate>2005-03-15 16:40:13+1</CreationDate>
  <UpdateDate>2005-03-15 16:40:13+1</UpdateDate>
  <DesignatedRSP>...</DesignatedRSP>
</VesionAdminInfo>
```

### RSPTYPE (DRAFT)

Link to a Resolution Service Provider (RSP) registered with ISAN-IA and chosen by the registrant of the version. The RSP can resolve the ISAN version to provide additional information for this version such as technical details (encoding schemes), enriched metadata (synopsis, awards, etc...), related items (fingerprints, ...), licensing rights, the content itself, etc.

Attribute	Description	Possible Values	Type	Occurrence	
<b>DesignatedRSP</b>	Details about the registrant's designated Resolution Service Provider.		RSPtype	0 or 1	
<b>RSPiD</b>	The RSP identifier. The list of registered RSPs and their identifier can be obtained at cs@isan.org	Identifier	String	1	
<b>RSPlabel</b>	Read only value: The name registered by the RSP in the ISAN System	Text	String	1	
<b>RSPaddress</b>	Read only value: the URL or IP address of the server operated by the resolution service provider that is expected to respond appropriately to a V-ISAN metadata query and that is registered in the ISAN System.	Text	String	1	
<b>RSPaddressKind</b>	Read only value: Indicates if the <b>RSPaddress</b> is an URL or an IP address	URL IP	The RSP address is an URL The RSP address is an IP address	String	1
<b>RSPschema</b>	Read only value: the name and location of the RSP schema registered in the ISAN System	Text	String	1	

### XML Sample:

```
. <DesignatedRSP>  
  <RSPiD>RSP230456</RSPiD>  
  <RSPlabel>Absolute Fingerprint</RSPlabel>  
  <RSPaddress>www.AbsoluteFingerprint.com/V-ISAN-Lookup</RSPaddress>  
  <RSPaddressKind>URL</RSPaddressKind>  
  <RSPschema>www.isan.org/Schemas/RSP/absolutefingerprint.xsd</RSPschema>  
</DesignatedRSP>
```

## 7.Common Sub-types (Works & Versions)

### COUNTRYLISTTYPE

A list of countries as for example the list of countries of origin of an audiovisual work.

Attributes	Description	Possible Values	Type	Occurrence
<b>CountryList</b>	A list of countries.	List of <i>Country</i> attributes.	<a href="#">CountryListType</a>	1
<b>Country</b>	A Country Code and Label	See <a href="#">CountryType</a> definition.	<a href="#">CountryType</a>	1 or more

### XML Sample:

```

<CountryList>
  <Country>
    <CountryLabel>United States</CountryLabel>
    <CountryCode>
      <CodingSystem>ISO3166_1</CodingSystem>
      <CodeISO3166_1>US</CodeISO3166_1>
    </CountryCode>
  </Country>
  <Country>
    <CountryLabel>France</CountryLabel>
    <CountryCode>
      <CodingSystem>ISO3166_1</CodingSystem>
      <CodeISO3166_1>FR</CodeISO3166_1>
    </CountryCode>
  </Country>
</CountryList>
  
```

### COUNTRYTYPE

A country defined with a code in a recognized country coding scheme. To date only ISO 3166-1 country codes are recognized by the ISAN system.

Attributes	Description	Possible Values	Type	Occurrence
<b>Country</b>	A Country code and Label	A <i>CountryLabel</i> and <i>CountryCode</i> attributes.	<a href="#">CountryType</a>	1
<b>CountryLabel</b>	The Label of the country	The name of a country (e.g Germany)	<a href="#">CountryLabelType</a>	0 or 1
<b>CountryCode</b>	The Country Code	A <i>CodingSystem</i> and a <i>CodeISO3166_1</i> attributes.	<a href="#">CountryCodeType</a>	1
<b>CodingSystem</b>	The Coding System for the country code (always use ISO 3166-1)	<b>ISO3166_1</b> ISO 3166-1 coding system Other codes may be implemented in the future	<a href="#">CodingSystemType</a>	1

**CodeISO3166\_1**    The country code    An ISO 3166-1 Country code.    [CodeISO3166\\_1Type](#)    1

### XML Sample

```
<Country>
  <CountryLabel>United States</CountryLabel>
  <CountryCode>
    <CodingSystem>ISO3166_1</CodingSystem>
    <CodeISO3166_1>US</CodeISO3166_1>
  </CountryCode>
</Country>
```

### LANGUAGETYPE

A language defined with a code in a recognized language coding scheme. To date only ISO 639-2 country codes are recognized by the ISAN system.

Attributes	Description	Possible Values	Type	Occurrence
<b>Language</b>	A Language code and Label	A <b>LanguageLabel</b> and <b>LanguageCode</b> attributes.	<a href="#">LanguageType</a>	1 or more
<b>LanguageLabel</b>	The Label of the country	The name of a country (e.g Germany)	<a href="#">LanguageLabelType</a>	0 or 1
<b>LanguageCode</b>	The Language Code	A <b>CodingSystem</b> and a <b>CodeISO639_2</b> or a <b>CodeRFC3066</b> attributes.	<a href="#">LanguageCodeType</a>	1
<b>CodingSystem</b>	The Coding System for the language code . Only one coding system is supported today	<b>ISO639_2</b> ISO 639-2 coding system <b>RFC3066</b> RFC3066 coding system <small>Other codes may be compatible in the future</small>	<a href="#">CodingSystemType</a>	1
<b>CodeISO639_2</b>	The ISO 639-2 language code	An ISO 639-2 language code.	<a href="#">CodeISO639_2Type</a>	0 or 1*

### XML Sample

```
<Language>
  <LanguageLabel>French</LanguageLabel>
  <LanguageCode>
    <CodingSystem>ISO639_2</CodingSystem>
    <CodeISO639_2>FRE</CodeISO639_2>
  </LanguageCode>
</Language>
```

### ISANTYPE

The XML coding for an ISAN or ISAN Version as defined in ISO 15706-2 Annex D. The ISAN is a 24 digit hexadecimal number made of 16 hexadecimal digit followed with a check character (using Arabic numerals 0 to 9 and letters A to Z),

followed by an 8 hexadecimal digit version segment, followed with a check character (using Arabic numerals 0 to 9 and letters A to Z).

Attributes	Description	Possible Values	Type	Occurrence
<b>ISAN</b>	XML coding for an ISAN or ISAN Version as defined in ISO 15706-2 Annex D	See the attributes below.	<a href="#">isanType</a>	1
<b>Root</b>	Root section of the ISAN or V-ISAN (ISAN Version)	Tree segment of 4 digit hexadecimal values separated with a hyphen "-".	<a href="#">rootType</a>	1
<b>EpisodeOrPart</b>	Episode section of the ISAN or V-ISAN	One segment of 4 digit hexadecimal values.	<a href="#">episodeOrPartType</a>	1
<b>Check1</b>	Version section of the ISAN or V-ISAN (ISAN Version)	One digit made of a decimal value from 0 to 9 or an upper case character from A to Z.	<a href="#">checkType</a>	1
<b>Version</b>	First check character (roots and episode section)	Two segments of 4 digit hexadecimal values separated with an hyphen "-".	<a href="#">versionType</a>	1
<b>Check2</b>	Second check character (roots and episode and version section)	One digit made of a decimal value from 0 to 9 or an upper case character from A to Z.	<a href="#">checkType</a>	1

## XML Sample

```
<ISAN>
  <Root>0000-0000-CFF1</Root>
  <EpisodeOrPart>004B</EpisodeOrPart>
  <Check1>1</Check1>
  <Version>0000-0000</Version>
  <Check2>Y</Check2>
</ISAN>
```

## TITLELISTTYPE

The list of titles for an audiovisual work or a version.

Attributes	Description	Possible Values	Type	Occurrence
<b>TitleList</b>	List of Title(s) for an AV Work or a Version.	<b>TitleDetail</b> attributes.	<a href="#">TitleListType</a>	1
<b>TitleDetail</b>	See the definition below.	At least one title per work or version is required, but every known title (working titles, alternate foreign language titles, etc.) are expected. At least one English title is highly recommended especially for titles in non Latin Alphabet. If no English title exists a personal translation is authorized provided that the "TRANSLATED" Title kind is used. The titles do not have to be in the Latin alphabet (Chinese titles in Chinese characters are for instance authorized). Each title has an associated language – this is the language in which the title is written, not the language of the work. For example:  1. The title "Das Boot" is identified as a German title while "The Boat" is identified as an English title, even	<a href="#">TitleDetailType</a>	1 or more

though they both refer to the same work.

2. "A very bad trip" is identified as an English title even if it is the title used in France for the movie with original title "The Hangover" in English speaking countries.

<b>TitleKind</b>	The kind of title.	<b>ORIGINAL</b>	Original title of an AV Work or Version used during its initial exploitation. At least one original title is mandatory.	<a href="#">TitleKindType</a>	1
		<b>ALTERNATE</b>	Alternate title of the AV Work or a Version .		
		<b>TRANSLATION</b>	A <u>personal translation</u> of an original or alternate title. A translation is required for original titles in non Latin Alphabet that have no alternate title in a latin alphabet.		
<b>Language</b>	The language in which the Title is written.	Refer to the description <a href="#">LanguageType</a> .		<a href="#">LanguageType</a>	1
<b>Title</b>	the title itself	Title shall be written in the original form (for example particle cannot be put in the end: "Boat, the" is illegal.  Title shall not be abbreviated  Numbers should be used in the way that they appeared during work release ("SEVEN" is different from "7").  Registrants shall not alter the title by adding for example characteristics of the work or version. The following examples are NOT valid titles:  - Adding a sequence/episode number: "The office #3457" or "The office (episode3 season1)"  - Adding a broadcasting date: "the wheel of fortune - 03.05.2001"  - Adding a description "Superman (trailer)"		<a href="#">TitleType</a>	1

## XML Sample

```

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      </LanguageCode>
    </Language>
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  </TitleDetail>
  <TitleDetail>
    <TitleKind>ALTERNATE</TitleKind>
    <Language>
      <LanguageLabel>English</LanguageLabel>
      <LanguageCode>
        <CodingSystem>ISO639_2</CodingSystem>
        <ISO639_2Code>ENG</ISO639_2Code>
      </LanguageCode>
    </Language>
    <Title>The Big Blue</Title>
  </TitleDetail>

```



```

<TitleDetail>
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    <LanguageCode>
      <CodingSystem>ISO639_2</CodingSystem>
      <ISO639_2Code>GER</ISO639_2Code>
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  </Language>
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</TitleDetail>
<TitleDetail>
  <TitleKind>ALTERNATE</TitleKind>
  <Language>
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    <LanguageCode>
      <CodingSystem>ISO639_2</CodingSystem>
      <ISO639_2Code>SPA</ISO639_2Code>
    </LanguageCode>
  </Language>
  <Title>El Gran Azul</Title>
</TitleDetail>
</TitleList>

```

## DURATIONTYPE

The approximate duration/running time of an AV work or version..

Attributes	Description	Possible Values	Type	Occurrence
<b>Duration</b>	The duration or running time of the AV work or version.	A <b>TimeValue</b> and a <b>TimeUnit</b> attributes.	DurationType	1
<b>TimeValue</b>	Approximate duration/running time in the specified unit.	A positive, not null integer number.	String	1
<b>TimeUnit</b>	The unit of time in which the duration is expressed.	<b>MIN</b> Minutes <b>SEC</b> Seconds <b>MIL</b> Milliseconds	<a href="#">TimeUnitType</a>	1

## XML Sample

```

<Duration>
  <TimeValue>144</TimeValue>
  <TimeUnit>MIN</TimeUnit>
</Duration>

```

## EXTERNALIDLISTTYPE

A list of external identifiers linked to an audiovisual work or version.

Attributes	Description	Possible Values	Type	Occurrence
<b>ExternalIdList</b>	List of external Identifier for the A list of <b>ExternalIdType</b> attributes.		<a href="#">ExternalIdListTy</a>	1

AV Work or Version.

e

<b>ExternalId</b>	Identifier information.	A Type of Identifier and the identifier value.	<a href="#">ExternalIdType</a>	1
<b>Code</b>	Type of the work identifier.	<b>ADID</b> Advertising Digital Identification. <b>CRID</b> Content Reference Identifier <b>DOI</b> Digital Object Identifier (including EIDR) <b>GRid</b> Global Release Identifier <b>IMDB</b> Internet Movie Database <b>ISRC</b> The International Standard Recording Code <b>ISWC</b> International Standard Musical Work Code. <b>REGID</b> Registrant ID: private identifier used by registrants to identify their works. It shall be unique across all the works submitted by a registrant during its Registrant lifetime. <b>TOKEN</b> Token used by the registrant during the ISAN allocation process. <b>UMID</b> Unique Material Identifier <b>UPC</b> Universal Product Code <b>URI</b> Uniform Resource Identifier <b>UUID</b> Universal Unique Identifier	<a href="#">IdCodeType</a>	1
<small><a href="#">Note:</a> The list of external identifiers is not exhaustive and can be enriched (contact <a href="mailto:cs@isan.org">cs@isan.org</a>).</small>				
<b>Id</b>	External Identifier	Any combination of numbers and characters.	<a href="#">idType</a>	1
<b>Note</b>	A note about the identifier		String	0 or 1

 Refer to "[ISAN Schema Appendix: List of Codes](#)" for details about external identifiers

### XML Sample

```

<ExternalIdList>
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  </ExternalId>
  <ExternalId>
    <Code>ADID</Code>
    <Id>ABCD12345678</Id>
    <Note>USA only</Note>
  </ExternalId>
</ExternalIdList>
  
```

## 8. XML Sample of an AV work and related versions

```
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  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
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```

```

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