



ISAN

INTERNATIONAL STANDARD
AUDIOVISUAL NUMBER

ISAN User Guide

ISAN International Agency
1A rue du Beulet
CH-1203 Geneva
Switzerland
Tel. : + 41 22 545 10 00
Fax: + 41 22 545 10 40
Email: info@isan.org
www.isan.org

Version : 2.2.2, February 2012

This document is provided for information purposes by the ISAN International Agency. It does not correspond to any contractual engagement by the ISAN International Agency.



Table of contents

FOREWORD	4
1 ISAN OVERVIEW	6
2 THE ISAN STRUCTURE	8
2.1 General Structure of the ISAN Identifier	8
2.2 Printed Form	9
2.3 Binary Form	10
2.4 XML Form	10
2.5 URN Form	10
3 APPLYING ISAN TO AUDIOVISUAL WORKS AND VERSIONS	11
3.1 Audiovisual Works and Versions	11
3.2 Serial or Episodic AV/Work	15
3.3 Registering individual episodes of a serial AV/Work	15
3.4 Composite works and their component parts	16
3.5 Registering Versions of AV works	16
4 REGISTRATION FOR AN ISAN	17
4.1 How to apply to become an ISAN Registrant	17
4.2 How and when to apply for an ISAN	18
4.3 Applying ISAN to Versions of AV Works	20
4.4 Application for an “in-development ISAN”	21
5 QUERYING AUDIOVISUAL WORKS AND/OR ISAN LOOKUPS	21
5.1 Public Reader	22
5.2 Registered Reader	22
5.3 Supporter Reader	22
5.4 Registrant	23
6 AFFIXING THE ISAN TO AN AV/WORK	23
7 ACCESS TO THE ISAN SYSTEM	25

ANNEX A: CALCULATION OF THE ISAN CHECK CHARACTER	26
ANNEX B: DESCRIPTIVE INFORMATION FOR ISAN REGISTRATIONS	29
B1. General rules for descriptive information quality	29
B2. Descriptive Data for Non Episodic AudioVisual Works	29
B.3 Descriptive Data for Episodic or Serial AudioVisual Work	34
B.3 Descriptive Data for Versions of AudioVisual Works	40
ANNEX C: GLOSSARY	46

Foreword

ISAN is a voluntary numbering system for identification of audiovisual works and versions, developed within an ISO (International Organization for Standardization) working group (Technical Committee 46, Sub-Committee 9). The ISAN project was administered by AGICOA (Association of International Collective Management of Audiovisual Works), CISAC (International Confederation of Societies of Authors and Composers) and FIAPF (International Federation of Film Producers Associations), all three representing many international and national organizations involved with audiovisual productions.

The International Standard that forms the foundation of the ISAN system was published in 2002 as ISO 15706-1:2002, Information and documentation—International Standard Audiovisual Number (ISAN) -- Part 1: Audiovisual work identifier. In 2007 the ISAN standard was extended to support version identification with ISO 15706-2:2007 Information and documentation – International Standard Audiovisual Number (ISAN) -- Part 2: Version Identifier. Both parts of the standard are available for purchase from www.iso.org¹ in English and French. Together, they describe a complete audiovisual content identification system.

The ISAN website (www.isan.org) was launched in January 2004, and the ISAN System with its Central Repository were launched in June 2004.

The following documents are publicly available on the ISAN web site.

- [ISAN Registration Agency - Terms of Reference](#)
- [Expression Of Interest](#) to apply to become an ISAN Registration Agency
- [ISAN Rules and Procedures](#)
- [ISAN User Guide](#) (this document)
- [ISAN Terms of Use](#) (under validation)
- [ISAN Metadata Schema](#)

¹ ISAN Part 1: http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=28779
ISAN Part 2: http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=35581

Version	Description of change
2.2.1	Various updates such as references to ISO 15706-2, updated contact details for ISAN-IA, different representations of the ISAN, etc... Update of the Glossary
2.2	Modified p. 9: work types SH, TF are now allowed to be in the serial form.
2.1	Started change tracking

1 ISAN Overview

ISAN stands for the “International Standard Audiovisual Number”. It is a voluntary numbering system that is not linked to any form of copyright registration. ISAN is the ISO 15706 international standard.

ISAN remains unchanged regardless of every stage of a work’s distribution, including each new version.

ISAN relates to specific descriptive information (metadata) such as the title, director, type, duration, etc... This applies to all types of works including feature films, serials, documentaries, live broadcasts, entertainment programs, shorts, clips, educational, multimedia, etc... and their many versions (dubbing, VoD, Broadcast, Blu-ray,...) including closely related content (e.g. trailers) or closely related items (e.g. soundtracks, wallpaper).

While the ISAN root segment remains the same across all variants of an audiovisual work, the ISAN version segment enables thinner granular identification at the version level such as editions, language variants, and media fixation as for example Film Print, Digital Cinema, Blu-ray, DVD, Tapes, Digital Files, Digital Streams. ISAN is compatible with major audiovisual standards such as MPEG, Windows Media, DVB ATSC, MXF, etc....

ISAN can be incorporated in physical media, digital streams, digital files, as well as in barcodes, publications, packaging, advertising and on audiovisual agreements. The assigned ISAN to an audiovisual content (work or version) is persistent, irrespective of the changes in ownership.

The uses of ISAN have been adapted to meet the different needs of the audiovisual industry. Its strength lies in its universal benefits.

Because of the strong cultural diversity worldwide the ISAN standard is based on a network of Regional ISAN Registration Agencies that act as an interface between the International ISAN System and the local industry. Regional ISAN Registration Agencies are appointed by ISAN-IA after they have gained support from the local industry. Registration Agencies deliver adapted ISAN Services and expertise in the local language and report local expectations to the ISAN community.

ISAN can only be issued by appointed Registration Agencies via the ISAN System.

The ISAN network is backed up by the International Agency, ISAN-IA, founded by AGICOA, CISAC and FIAPF.

ISAN has already been assigned to more than 730'000 audiovisual contents.

ISAN registration is online, whether for one or many works. Bulk ISAN allocations is easy to implement via XML file based processes. A set of +50 ISAN web services enables automated registrations and queries for third party applications.

ISAN identifies works throughout their commercial life, across all versions, being their different languages, edits, formats, mediums; at all times, in all ways and at all stages of distribution.

ISAN is for authors, broadcasters, collection societies, listing companies, producers, rights holders and many others.

ISAN Benefits

- The purpose of each ISAN is to act as a **unique international identifier** for any audiovisual work (“AV/work”) and any of its versions. The audiovisual works and the related versions share the same root segment. ISAN is linked to descriptive information (metadata), all hosted in a Central Repository.
- ISAN codes are delivered from a **unique central database**. Each AV/work or version has one unique ISAN. Each ISAN identifies only one AV/work or one version. ISAN is a **permanent and persistent identifier**.
- ISAN applies to **all type of audiovisual works** and all kind of **versions** such as linguistic variants, editions, extracts, clips, media embodiments, digital encodings, as well as closely related contents or items such as soundtracks, closed captioning tracks, boxed sets, etc...
- ISAN has been designed by the International Organization for Standardization (ISO) to **meet the requirements of the digital revolution** as defined by content owners, broadcasters, media companies and standards organizations.
- ISAN and its related descriptive information are **accessible online at all times** by users (Registrants and Readers). APIs and bulk processes enable efficient integration in existing processes.
- ISAN helps ISAN registrants with **efficient inventory management** particularly in a digital environment.
- By requiring an ISAN to be listed in broadcast logs, usage tracking is facilitated. In a fully digital environment, the **ISAN is integrated into the work itself**.

- When filing for administration through collective management, rights registration is facilitated through use of ISAN which brings important savings in time and cost. This enables quicker, more reliable and efficient rights distribution by the collection societies.
- ISAN facilitates **electronic information exchanges** between different external databases.
- ISAN helps better **tracking** of the use of a work in the digital world, thereby helping anti-piracy.
- ISAN codes are **actionable** and can be used in the audiovisual e-commerce environment.
- **Not for Profit:** ISAN is an ISO property. ISO obliges contractually ISAN-IA and ISAN Registration Agencies to operate the ISAN standard on a cost recovery basis and invoice reasonable fees for the ISAN services.
- ISAN Terms of Use enable **ISAN codes to circulate without restrictions** for commercial and non commercial purposes.

2 The ISAN Structure

2.1 GENERAL STRUCTURE OF THE ISAN IDENTIFIER

ISAN has been designed to be read by humans and processed in information systems, as a 24-bit hexadecimal number (characters 0 to 9 and A to F) or as a 96-bit binary number. The structure of ISAN has been designed to meet the diverse needs of the audiovisual supply chain, and the numbering scheme has been dimensioned to enable the identification of billions of discrete titles and thus, covering the audiovisual production needs for at least one century.



An ISAN is divided in three segments:

- the first 12 digits represent the root segment,
- the following 4 digits represent the episode/part of a serial work,
- the last 8 digits represent the version segment.

The first 16 digits representing the root and episode segments of an ISAN remain the same regardless of any versions of the work – only the last 8 digits change as versions are created for the work.

The 17th and 26th digits of an ISAN are check characters which guard against errors resulting from improper transcription of an ISAN. The check characters are automatically assigned by a computer algorithm.

When an ISAN is allocated to a work which is not an episode or part of a serial audiovisual work, the episode segment shall consist of 4 zeros (0000).

When an ISAN is allocated to an episode or a part of a serial audiovisual work, the episode segment is used to identify a registered episode in a serial. In this case an episode segment never consists of 4 zeros (0000).

A value of 0 (i.e. 0000-0000) is assigned to the version segment of an ISAN when no version exists.

ISAN version segment where the first 4 bits are 1111 (i.e. hexadecimal value F) are reserved for private use and will never be referenced in the ISAN central database.

This range of ISAN version segment is reserved solely for internal applications (e.g. to track internal edits during the preparation of a version for public release) as determined by an ISAN “version registrant” who may self-assign such ISAN version segment on a non-registered basis. ISAN from this internally defined range shall not be distributed externally as they will automatically be interpreted as invalid for other applications.

2.2 PRINTED FORM

When represented in the printed form an ISAN includes always the two check characters. To assist in accurate transcription of an ISAN, the following rules apply:

- the word “ISAN” followed by a blank space shall precede all digits;
- the first 16-digit shall be divided into 4 units of 4 digits with each unit separated by a space or hyphen, followed by the check character;
- then, the 8-digit version shall be divided into 2 units of 4 digits with each unit separated by a space or hyphen, followed by the check character;

These rules are intended solely to provide a visual aid for accurate transcription of ISAN; no meaning is attributed to any digits, units or characters. Example:

URN:ISAN:0000-0000-D07A-0090-Q-0000-0000-X

For more information on the ISAN Name Space Identifier, refer to [IETF RFC 4246](#).

3 Applying ISAN to audiovisual works and versions

3.1 AUDIOVISUAL WORKS AND VERSIONS

For the purposes of the system, ISAN defines an AV/Work as a “work consisting of a sequence of related images, with or without accompanying sound, which is intended to be made visible as a moving image through the use of devices, regardless of the medium of initial or subsequent fixation”. This is without prejudice to any legal definition of audiovisual works.

Most types of work can be registered as serial or non serial.

Most types of works will be usable in the early stage of ISAN implementation.

Most types of works can have variants (expressions and manifestations) that can be identified with a distinct ISAN version

Types of AV/work to which ISAN can be assigned are for example:

Code	Description	Definition	Can be serial?	Can be composite?
AD	Commercials / Advertising film	Works which promotes a product, service, idea, person or company, including promotional material for consumer products, services shown in theaters, infomercials or on digital signage. Trailers (promotional advertising for a film or television production) are NOT included in this category and shall be identified as a version of the work promoted by the trailer.	Yes	Yes
FF	Feature Film	Work, usually originally released theatrically or direct to video	No	Yes
TF	TV movie or Telefilm	A work intended for television broadcast.	Yes*	Yes
DO	Documentary	A moving image production providing a factual archive or report depicting persons, animals, vegetables and plants, events or industrial processes.	Yes	Yes

ED	Educational	Works restricted to traditional training, coursework, classroom or distance learning. Such works are primarily intended to educate rather than entertain.	Yes	Yes
SE	Dramatic & Comedy Series, Serials, "Soaps"	A set of fiction works often with the same main actors or on related subjects and open-ended television drama or comedy where the story continues from episode to episode.	Yes	Yes
SH	Short	Fiction work, usually originally released theatrically or direct to video, with an original length less than feature film. This includes short animated works.	Yes*	Yes
MM	Multimedia	Audiovisual work with interactivity.	Yes	Yes
NE	News	An audiovisual production which reports on topics of current interest. Non fiction programming, reporting and commentary on current events, usually organized into reports from various correspondents.	Yes	Yes
LV	Live event	All non fiction works recording live events except related to sport or performances which have their own types. Examples include extensive coverage of political conventions, talk shows, live recordings of political debates, elections, space coverage, marriage, funerals, etc...	Yes	Yes
PF	Performance	Works documenting a performance including concerts, dance, music, opera, stage production, recitation, magic, circus, stand-up comedy, burlesque, vaudeville or other variety stage act..	Yes	Yes
SP	Sporting Event, Sports Related Program	Non fiction productions reporting on sporting events..	Yes	Yes
TE	Other Television entertainment	Programming intended for airing on television including reality programs, magazines, variety, game shows, except where otherwise categorized.	Yes	Yes
VC	Music video clip	Short audiovisual non live production which shows images related to a specific sound recording.	Yes	Yes
CO	Compilation	1 - A single featured work packaged with several related works (e.g. the traditional DVD with bonus features)- each work in the compilation would have its own Work record. 2 - A Boxed Set made of two or more featured works in a single package- South Park Season One, Indiana Jones Trilogy, etc... - each work in the Boxed Set Should have its own Work Record	No	Yes (is always composite)

An ISAN version can be applied to any specific instance (or version) of an AV Work that results from any particular aggregation of elements that affects the content of an Audiovisual Work already identified with an ISAN. Changes such as editions, the addition of subtitles, dubbing, alterations of the soundtrack, fixation of the content on a specific media (Film print, Blu-ray, digital file or stream ...) the change of technical properties (HD/SD, 2D/3D, encoding format...) can all result in the issuance of a new ISAN version.

Some examples of changes to works resulting in new versions of audiovisual works to which an ISAN Version may be issued are:

- Changes to a specific language track or the arrangement of language tracks (linguistic version)
- Changes to the subtitling (subtitled versions)
- Changes in specific image or sound formats, such as: wide screen vs. "pan & scan", standard definition vs. high definition, 2D vs 3D, "high quality" to "low quality" (e.g., D1 tape to VHS tape transfer, transcoding with a quality degradation)
- Transcoding (e.g. change from AC3 to MP4 sound encoding)
- Changes in the physical carrier(s) for an AV Work
- Editing of an audiovisual work for a specific purpose, such as: edits for length, edits to alter commercial placement, edits for content advisory reasons.
- Change in the technical data stream that affects the content of the work (e.g. a different software program to generate background images or the vertical blanking interval for closed captioning).
- Changes to the format and/or duration of an AV Work (e.g. for television broadcast, for use on airlines or similar changes for the requirements of a specific exploitation)
- Digitized version of a work originally in analogue format
- a director's cut;
- a substantially abridged and re-edited version;
- a "colorized" version of an audiovisual work that was originally created in black and white, or a "black and white" version of an audiovisual work that was originally created in color;
- other significantly re-edited versions of an audiovisual work.

Related Content

ISO 15706-2 authorizes also to apply an ISAN version to other content that is derived from or closely related to versions of the audiovisual work when this content is intended for mass distribution as for example broadcasting and when it is necessary to identify that content in the broader context of an existing ISAN or ISAN version application. Such related content can be:

- An audio track extracted from a broadcasted AV work
- A descriptive audio track
- a closed captioning track,
- a multiple system sound track
- a ring tone extracted from the audio track of an AV work
- a fingerprint of an extract or the full AV work
- an audio fingerprint of an extract or the full audio track of an audiovisual work.
- A poster of the AV work

- A boxed set as a compilation of AV works
- etc...

The following changes do not constitute the creation of a distinct AV Work or Version ISAN:

- A change in the rights or ownership of any AV Content
- A copy in the identical format and recording medium (e.g. a tape-to-tape copy)
- A change in the metadata describing the work
- A change in the price or fees associated with use of an AV Work

Relationship between ISAN works and Versions

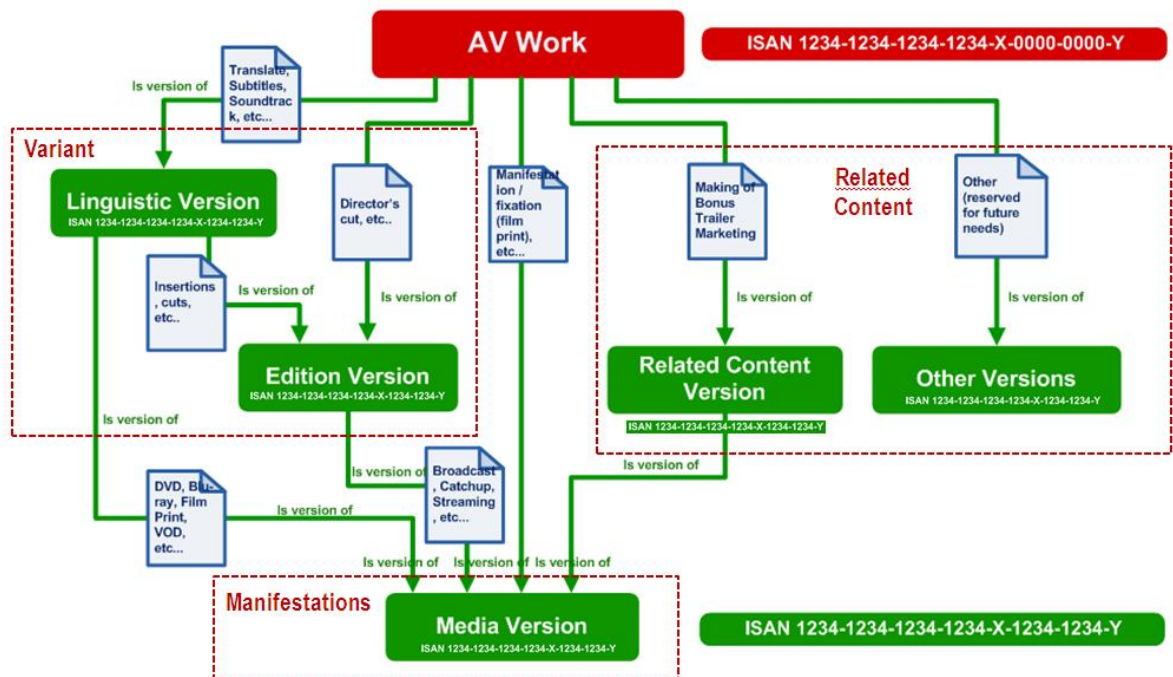
The ISAN identifier is a 24 digit number made of two major sections:

- The first 16 digits are defined in ISO 15706-1 as the AV Work identifier.
- The next (and last) 8 digits are defined in ISO 15706-2 as the Version identifier extension.

The relationship between work and version is natively contained in the ISAN identifier; indeed all Versions share the same first 16 digits. Only the last 8 digits of the ISAN differ from one version to another.

Differences between versions of an AV Work, as well as the relationship (if there are some) between the versions of a same work are defined in the metadata of each version.

The different versions of a same AV Work can be linked to fit with FRBR based models or to enable other hierarchies as for example in the schema below:



3.2 SERIAL OR EPISODIC AV/WORK

For the purposes of the ISAN system, serial audiovisual works and episodes are defined in a broad sense.

Consequently, no apparent sequential allocations in the episode segment shall imply the order in which episodes were produced or transmitted.

A serial audiovisual work is produced in individual episodes or parts which bear a relationship to each other. There is usually a common title for the whole series.

Examples of serial audiovisual works are:

- any television series, regardless of genre, produced in episodes that are intended for broadcast at intervals;
- daily/weekly talk show, newscast, sports event, etc...;
- daily or regular news broadcasts;

These are NOT serial audiovisual works:

- a sequel to a feature film (e.g. “Rocky IV”);
- separate broadcasts of parts of a single AV/work;
- an annual telecast of a yearly event (e.g. a New Year’s Eve special or the annual Academy Awards presentation).

3.3 REGISTERING INDIVIDUAL EPISODES OF A SERIAL AV/WORK

Each episode within a series or other serial AV/work should have its own ISAN as no single ISAN will be assigned to cover a series in its entirety.

When registering the first episode of a serial, the title for the serial must be provided. A first reference episode is created with all the descriptive information.

Each time a Registrant wants to add a new episode in the serial, he/she selects the title of the serial for which all descriptive information will be initialized with the values from the most recently registered episode. This eases the registration process as only differences need to be provided; e.g. title of the episode, new actors, etc...

Descriptive information episodic works are the same as for non episodic works, except for the Season reference and Episode number. For details refer to the document [ISAN Metadata Schema](#).

3.4 COMPOSITE WORKS AND THEIR COMPONENT PARTS

A composite work is an audiovisual work which contains other complete AV/works or excerpts from AV/works, each of which is insubstantial in relation to the entire composite work.

A composite AV/Work has its own ISAN, independent of any ISAN that may have been issued for its component parts.

Examples of composite works are:

- a feature film which contains parts of animated cartoons or other film clips;
- a television program that contains footage from previously produced feature films;
- a television episode that contains footage from episodes of other television series.
- Compilations are always composite works.

These types of works are NOT composite works:

- a specific scene within a feature film, unless that scene is intended for distribution as a separate work;
- a montage of single images.

For a composite work, Registrant is asked to supply the available ISAN of each AV/Work composing this composite work.

3.5 REGISTERING VERSIONS OF AV WORKS

All variants of episodic or non episodic AV Works registered with ISAN as well as composite works can be identified with ISAN version.

There can be an indefinite number of versions for a given AV Work. The uniqueness of the AV Work is guaranteed by the first 16th digits of the ISAN: all versions of a same work will share the same 16 first digits.

To build hierarchies between different versions of the same audiovisual work, Registrants are asked at the registration of a “child” version to provide the ISAN version of the “parent” version. A “child version” can potentially have several “parent versions”

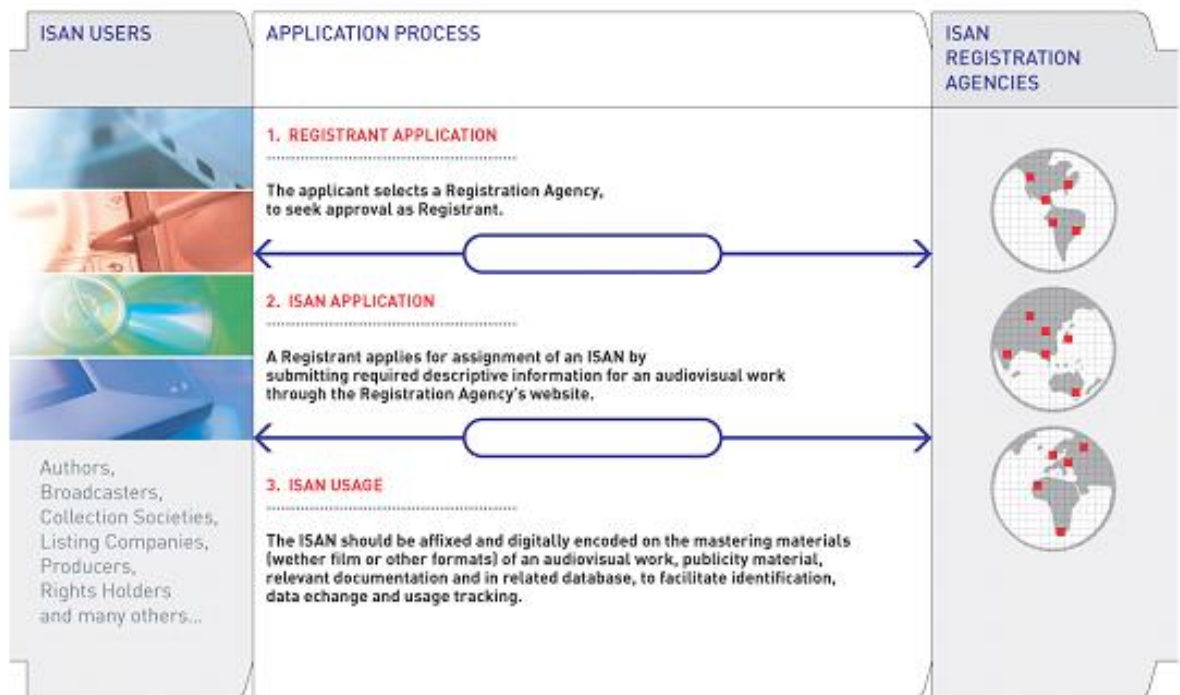
ISAN Version Identifiers cannot be allocated to versions of AV Works with an In-development ISAN. ISAN Version applies once the In-development ISAN has been activated.

Descriptive information for the allocation of ISAN Versions is defined in the document [ISAN Metadata Schema](#). This metadata is the same for episodic or non-episodic works as well as for composite works.

4 Registration for an ISAN

4.1 HOW TO APPLY TO BECOME AN ISAN REGISTRANT

Applicants wishing to be an ISAN Registrant must apply to a Registration Agency and they must be the producer or an authorized proxy of the producer (such as a sales agent and/or distributor) or other appropriate entity or individual, subject to recognition and qualification by an ISAN Registration Agency. Each Registrant applicant will be asked to sign a commitment to apply for ISAN only for those audiovisual works for which he/she guarantees the accuracy of all descriptive information. The above conditions may not apply to those applicants wishing to register ISAN Versions.



A current list of ISAN Registration Agencies can be found on the ISAN International Agency website (www.isan.org).

The registrant one-time registration process requires applicants to provide accurate and verifiable information including documentation of industry affiliation such as:

- Current membership with an audiovisual trade association recognized by the RA
- Sponsorship of the applicant by a trade association recognized by the RA
- Verifiable declaration of appropriate past or current activity in the audiovisual industry (e.g. funding by a public agency recognized by the RA).

Once Registrant status has been obtained, Registrants may apply for ISAN services online via their affiliated RA:

- ISAN registration (Works and Versions)
- ISAN queries (Works and Versions)
- In-development ISAN

Please note the following points:

- A Registration Agency cannot be an Authorized Registrant.
- A Registrant may only be accredited at a single Registration Agency at any one time. A Registrant is authorized to change Registration Agency, contact therefore ISAN-IA : cs@isan.org .
- A Registrant can be a legal entity or an individual.
- Registrant status is not transferable from one person or company to another.
- A Registrant may be revoked or suspended by a Registration Agency for significant breach of ISAN set of rules.
- Refused applicants and revoked or suspended Registrants may appeal to the ISAN International Agency (cs@isan.org) which will review such appeal with the Registration Agency in a timely manner.
- Readers (any entity or individual with a need to query ISAN and its related descriptive information) status can be obtained similarly (with less stringent conditions) as for Registrants from any appointed Registration Agency.

4.2 HOW AND WHEN TO APPLY FOR AN ISAN

Ideally application for ISAN should be made early in the production process of an AV/work. However, Registrants may apply for an ISAN at any time during or after production provided that required ISAN registration descriptive information is known, not expected to change and that an ISAN has not already been assigned to the AV/work concerned.

When applying for an ISAN, a Registrant will be asked - after login to the ISAN System application - to enter the required descriptive information about the specific work for which he/she wishes to obtain an ISAN. This descriptive information is described in Annex B and detailed in [ISAN Metadata Schema](#).

Descriptive information about an AV/Work and its associated ISAN will be added to the ISAN System Central Repository, creating a permanent record and identifier of such audiovisual work.








Title information			
Title	Language	Original	
Gone with the wind	ENG	Yes	
Autant en emporte le vent	FRE	No	
E o vento levou	POR	No	
Lo que el viento se llevo	SPA	No	
Via col vento	ITA	No	
Vom winde verweht	GER	No	

Core information			
Type	Feature Film	Kind	Live Action
Year of reference	1939	Year of 1st publication	1939
Duration	222 MIN		
Colour	Yes		
Composite	No		

Production information	
Coproduction	Yes
Production companies	Mgm Selznick International Pictures
Countries of reference	United States
Original languages	English

Participants information	
Type	Firstname / Lastname
Producer	David O Selznick
Director	Victor Fleming
Actor	Olivia De Havilland
Actor	Clark Gable
Actor	Leslie Howard
Actor	Vivien Leigh

7 V-ISAN: Hide them

ISAN 0000-0000-3A8D-0000-Z-0000-0001-4	Gone With the Wind – BDX1 (Bonus Disc)	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0002-2	Gone With the Wind – BD02DIM1	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0003-Z	Gone With the Wind – BD01DIM1	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0004-X	Gone With the Wind & BDX1 (Bonus Disc) V2	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0005-V	Gone With the Wind & BD01DIM1 V2	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0006-T	Gone with the wind	ENG (Original)	
ISAN 0000-0000-3A8D-0000-Z-0000-0007-R	Via col vento	ITA (Translated)	

The ISAN System will deliver to Registrant the relevant ISAN almost instantaneously. Delays may occur when potential duplicate(s) are detected in the ISAN System Central Repository. In such case, duplication resolution will be performed by either the Registrant or the RA.

Avoiding the creation of duplicates is key during the registration process.

4.3 APPLYING ISAN TO VERSIONS OF AV WORKS

Anyone from the audiovisual industry recognized as a valid ISAN Version Registrant by a Registration Agency is entitled to allocate ISAN versions.


All variants of episodic or non episodic AV Works registered with ISAN as well as composite works can be identified with ISAN version.

Versions of AV Works can only be registered if a valid ISAN has been previously allocated to the AV Work

When applying for an ISAN Version, a Registrant will be asked - after login to the ISAN System application and retrieval of the ISAN corresponding to the AV Work – to enter the required descriptive information about the specific version for which he/she wishes to obtain an ISAN version. This descriptive information is described in Annex B and detailed in [ISAN Metadata Schema](#).

Descriptive information about a version of an AV work and its associated ISAN will be added to the ISAN System Central Repository, creating a permanent record and identifier of such version of the audiovisual work.

Versions of an AV Work can be allocated anytime in the lifecycle of the AV Work. Versions can be edited and relationships with other versions added anytime after registration.

ISAN 0000-0000-3A8D-0000-Z-0000-0007-R 

Version of : Gone with the wind [0000-0000-3A8D-0000-Z-0000-0000-8](#)

Via col vento (222 MIN - 2010) ITA (Translated)

Descriptions of Version		
Language	Description	
ITA	Theatrical 2K	
Intention(s) of the Version		
Version Intention Kind	Related ISAN	
Media	N/A	
Version Languages		
Spoken Languages	ITA	
Version Distribution		
Distribution Kind	Distribution Platform	Distribution Media
Theatrical	Digital Cinema	Other

4.4 APPLICATION FOR AN “IN-DEVELOPMENT ISAN”

In order to allow a Registrant to consider an ISAN at an early stage of the production process, application may be made for an “In-Development ISAN”. This may also be appropriate during production of audiovisual news bulletins or broadcaster’s high rate of program production.

An “In-Development ISAN” can be assigned to an incomplete AV/work without the need to provide full descriptive information but this must be provided as soon as available in order to be confirmed as an ISAN.

Registrant must be aware that an “In-Development ISAN” is not an ISAN as specified in the Standard and may not be used as such. The distribution of a work carrying an ISAN still registered as “In-Development” will be considered as a breach of ISAN rules.

Any database query against an “In-development ISAN” shall only confirm such status. Any descriptive information provided for an “In-development ISAN” will not to be made available for query until activation of the ISAN.

On the initiative and provision of the required descriptive information by the Registrant, provided that no potential duplicate AV/work is detected, the status of “in-development ISAN” will be amended to an ISAN.

5 Querying Audiovisual Works and/or ISAN Lookups

The ISAN System Central Repository database stores audiovisual contents (works and versions) descriptive information and their related ISAN.

Four types of users are entitled to query the system in order to search by metadata and/or lookup existing ISAN codes:

- Public Reader
- Registered Reader
- Supporter Reader
- Registrant

5.1 PUBLIC READER

Anyone seeking ISAN from original titles of registered AV Works can query the ISAN System from ISAN web site free of charge www.isan.org.

The Public Reader can make two types of queries:

- By querying an ISAN (ISAN lookup), the system responds with the original title.
- By querying an original title the system responds with the ISAN, with a limit of five (5) results.

5.2 REGISTERED READER

A registered Reader is any legal entity or individual registered as such at an ISAN Registration Agency. To become a Reader, an applicant shall only register with an ISAN Registration Agency first – there is no requirements in terms of audiovisual industry involvement.

Registered Readers might pay usage fees to query the system.

A registered Reader can make two kinds of queries once logged in the ISAN web application of its Registration Agency:

- By providing an ISAN the Reader accesses descriptive information for a work or a version (ISAN lookup).
- By providing some or all descriptive information, the Reader is offered the corresponding ISAN for the work concerned. If insufficient information is provided or if the number of potential corresponding works is too high, the Reader is asked to refine his/her query.

5.3 SUPPORTER READER

A supporter reader is any legal entity or individual registered as such in the ISAN system and authorized to obtain updated local copies of the ISAN database or a permanent access to the central repository via Web Services.

Supporter Reader pays a contribution fee (cost recovery base) to the costs incurred to manage the central database and deliver the service. To become a Supporter Reader, an applicant shall register with ISAN-IA or its representatives such as Registration Agencies first.

Depending on the terms of the agreement, Supporter Reader can :

- Query / Lookup the ISAN central database via Web Services by implementing the ISAN Query Management Web Services.

OR

- Obtain a local copy with scheduled updates of the ISAN database. Queries or Lookup can therefore be fully managed by the reader, enabling for example ISAN resolutions in closed networks and/or custom Service Level Agreements.

5.4 REGISTRANT

Registrant can register AV Works or Versions to get ISAN, but can also query / lookup the ISAN System. Registrant's queries can be made within Registrant's own catalog of assigned ISANs, or outside its own catalog.

All query functionalities for a Registered Reader apply also to a Registrant.

6 Affixing the ISAN to an AV/work

The ISAN should be permanently affixed to the master material of the AV/Work so that it shall be persistent throughout the life of each such AV/Work.

For audiovisual contents in digital formats, the ISAN can be encoded in the work itself. Many audiovisual standards used in digital form are compliant with ISAN, such as MPEG, Windows Media Format, DVB, ATSC, Blu-ray (AAC3), UltraViolet, Digital Cinema (DCI), MXF, BXF, Electronic Program Guides (Open EPG, TV Anytime), etc....

For audiovisual content in analog formats, it is recommended that the ISAN is:

- affixed to master copies or permanently linked to it in the records of the institutions that hold master copies
- made visible in the main and / or end credits of the AV/Work.

It is also recommended that the ISAN is included in all commercial and technical documentation distributed with each AV/Work.

When the ISAN is printed or otherwise displayed, whether on an audiovisual content, on labels, technical & commercial documentation, and packaging or elsewhere, it must be preceded by the letters "ISAN" to clearly distinguish it from any other product numbers. Even when used with non-Roman scripts, the letters "ISAN" must appear in the Latin alphabet.

To assist in accurate transcription of an ISAN, the following rules apply:

- the word "ISAN" followed by a blank space shall precede all digits;

- the 16-digit ISAN shall be divided into 4 units of 4 digits with each unit separated by a space or hyphen, followed by the check character;
- then, the 8-digit version extension shall be divided into 2 units of 4 digits with each unit separated by a space or hyphen, followed by the check character;

These rules are intended solely to provide a visual aid for accurate transcription of ISAN; no meaning is attributed to any digits, units or characters.

See section 2 – The ISAN Structure, of current document for more details.

References to major standards and applications that are compliant with ISAN can be found on www.isan.org

For more information how ISAN is carried End to End in television distribution and the ISAN implementation in Windows Media Technologies, refer to <http://www.isan.org/docs/ISAN%20Implementation%20in%20WindowsMedia%20May%202006.pdf>

7 Access to the ISAN System

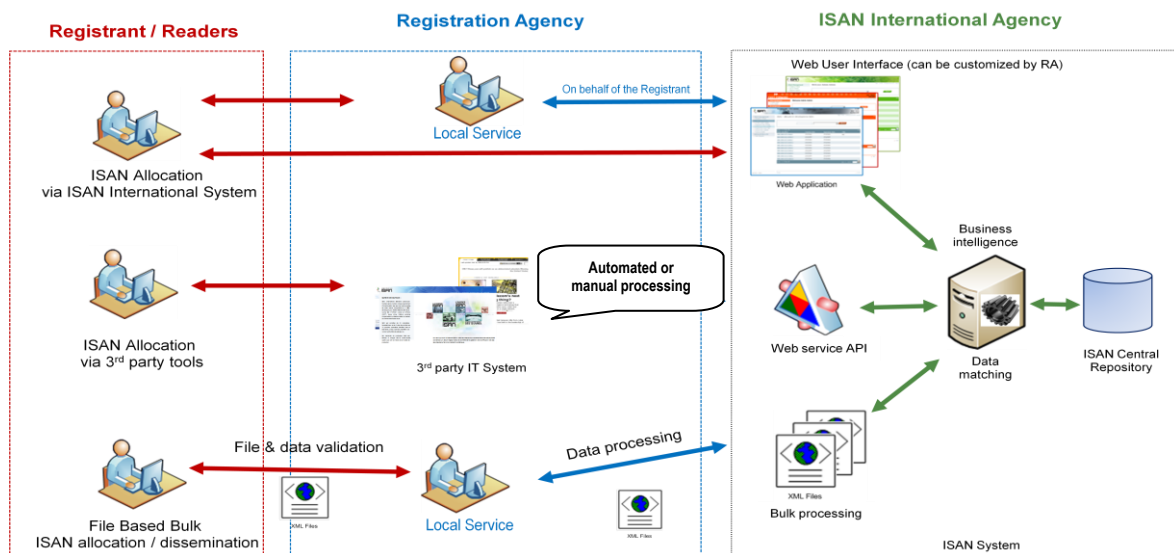
ISAN and related metadata are stored in the ISAN central database available online 7/7 – 24/24 for registration, consultation and lookups. The ISAN System, infrastructure and application is hosted and managed in Geneva (Switzerland) in a state-of-the-art facility, delivering services in a secure environment, such 24 x 7 x 365 monitoring, fully redundant secured internet connectivity and full weekly and daily back-ups. The ISAN application is maintained and enhanced by ISAN-IA's engineers and external service providers.

The ISAN database is available for registrations and queries/lookups over the internet via:

- **A multi lingual web application.**
- **Web Services** enabling third parties (such as broadcasters, studios, digital platforms, etc) to interface their IT system with the ISAN database.

Bulk processing via XML files enables efficient registrations for large catalogues without expensive technical investments such as API implementation.

Local copies of the ISAN Database (Oracle dump) are available for Supporter Readers.



Contact ISAN-IA (cs@isan.org) or your ISAN Registration Agency for further details.

Annex A: Calculation of the ISAN Check Character

The **ISO 15706:2002** Standard specifies that the first check character for an ISAN shall be calculated over the first 16 hexadecimal digits of the ISAN according to a **MOD 37,36** system specified in accordance with **ISO 7064**.

The **ISO 15706-2** Standard extends ISAN over 24 digits and specifies that the second check character calculation shall be calculated over the 16 hexadecimal digits of its ISAN element and the 8 hexadecimal digits of its version segment according to a **MOD 37,36** system specified in accordance with **ISO 7064**.

First ISAN Check Character Calculation

The first check character of an ISAN shall be one alphanumeric character using Arabic numerals 0 through 9 and letters A through Z of the Latin alphabet. The check character shall be calculated over the first 16 hexadecimal digits according to the MOD 37, 36 systems specified in accordance with ISO 7064.

Whenever an ISAN (with or without its version extension) is displayed in human-readable form the first check character shall be added as the 17th character.

The following is a simplified description of the procedure for calculating the ISAN check character, using, as an example an ISAN without a Version segment: **ISAN B159-D8FA-0124-0000-K**

To verify the correctness of ISAN, convert the ISAN from hexadecimal to decimal values.

Here is the decimal representation:

ISAN	B	1	5	9	-	D	8	F	A	-	0	1	2	4	-	0	0	0	0	-	K
ISAN	11	1	5	9	-	13	8	15	10	-	0	1	2	4	-	0	0	0	0	-	20

Step 1: Take the first digit of the 16 digit ISAN character string and add it to 36. The sum of this addition will be the Intermediate Sum used in the next step.

Step 2 Take the Intermediate Sum and adjust it as follows:

- If the Intermediate sum is greater than or equal to 36, subtract 36 from it to create the Adjusted Intermediate Sum;
- If the Intermediate Sum is less than 36, use it without change as the Adjusted Intermediate Sum.
- If the Adjusted Intermediate result equals zero (after these two previous steps) use 36.

Step 3 Take the Adjusted Intermediate Sum and multiply it by 2 to arrive at a Product.

Step 4 Take the Product created in Step 3 and adjust it as follows:

- If the Product is greater than or equal to 37, subtract 37 from it. The remainder will be the Adjusted Product.
- If the Product is less than 37, use it without change as the Adjusted Product.

Step 5 Carry forward the Adjusted Product to the next step.

Step 6 Take the next digit (reading from left to right) of the 16 digit ISAN character string and add it to the Adjusted Product carried forward from the previous step. Repeat the steps outlined from C.2 through C.6 until all 16 digits of the ISAN have been processed and the Adjusted Product for the 16th digit has been determined.

Step 7 If the Adjusted Product for the 16th digit of the ISAN equals 1, use 0 for the check character. Otherwise, take the Adjusted Product for the 16th digit and subtract it from 37.

The remainder will be the check character for that ISAN.

Second Check Character Calculation

The second check character (that include the Version segment) of an ISAN shall be one alphanumeric character using Arabic numerals 0 through 9 and letters A through Z of the Latin alphabet. The check character for an ISAN as a whole (the 24 digits) shall be calculated over the 16 hexadecimal digits of its ISAN elements and the 8 hexadecimal digits of its version segment according to the MOD 37, 36 systems specified in accordance with ISO 7064.

Whenever an ISAN with its version extension is displayed in human-readable form its correct check character shall be added as the 26th character at the end of the ISAN with the version segment string. Note that the ISAN check character after the first 16 hexadecimal digits shall also be present in such cases, so the resulting string of 26 characters incorporates two check characters: one as the 17th character and one as the 26th character.

Validation of an ISAN with its Version segment being entered into or retrieved from a database or other machine-readable format by a human **shall require both correct check characters** (for the ISAN root element and for the version segment character string) to be verified or presented.

The procedure to compute the second check digit is similar as for the first check digit.

Procedure for ISAN Check Character Calculation

The table below shows the steps in calculating the check character for the ISAN: **ISAN B159-D8FA-0124-0000-K**

Step	ISAN digits (processed from left to right)	Add (+) (Use 36 for the first step; for subsequent steps, use the Adjusted Product from the previous step)	Intermediate Sum	Adjusted Intermediate Sum (If Intermediate Sum was greater or equal to 36, adjust by subtracting 36. If adjusted sum equals zero, put 36)	x 2	Product	Adjusted Product (If the Product was greater or equal to 37, adjust by subtracting 37)
1.	11	+ 36	= 47	11	x 2	= 22	22
2.	1	+ 22	= 23	23	x 2	= 46	9
3.	5	+ 9	= 14	14	x 2	= 28	28
4.	9	+ 28	= 37	1	x 2	= 2	2
5.	13	+ 2	= 15	15	x 2	= 30	30
6.	8	+ 30	= 38	2	x 2	= 4	4
7.	15	+ 4	= 19	19	x 2	= 38	1
8.	10	+ 1	= 11	11	x 2	= 22	22
9.	0	+ 22	= 22	22	x 2	= 44	7
10.	1	+ 7	= 8	8	x 2	= 16	16
11.	2	+ 16	= 18	18	x 2	= 36	36
12.	4	+ 36	= 40	4	x 2	= 8	8
13.	0	+ 8	= 8	8	x 2	= 16	16
14.	0	+ 16	= 16	16	x 2	= 32	32
15.	0	+ 32	= 32	32	x 2	= 64	27
16.	0	+ 27	= 27	27	x 2	= 54	17
17.	37 minus 17 = 20 (20->K) Therefore the 16 digit ISAN character string ISAN B159-D8FA-0124-0000 has the check character K and the complete 17 digit ISAN is ISAN B159-D8FA-0124-0000-K .						

Annex B: Descriptive information for ISAN registrations

A detailed description of the ISAN metadata is available in the document [ISAN Metadata Schema](#)

B1. GENERAL RULES FOR DESCRIPTIVE INFORMATION QUALITY

In order to maintain quality and consistency of descriptive data, the following rules should be followed when completing applications for assignment of ISAN (root and episode only):

A Title should be formatted in mixed case (e.g. not UPPERCASE only), conforming with the style as it appears on the audiovisual work (including correct use of any numbers, without abbreviations, etc.).

Titles **shall not** be written with the particle at the end: “Godfather, the” is **not** correct.

Language(s) information should be consistent between the language code and title(s) listed.

Names (participants and companies) should be completed in mixed case (e.g. not UPPERCASE only), completed in full (without abbreviation), including any prefix or suffix. In the case where a middle name is found, it should be written in the First Name field.

No Last Name can be accepted with only one (1) letter.

“None” or similar misleading information cannot be considered as a valid entry.

Production Companies shall be the company(ies) that originally created the work. The following companies should not be listed instead: distributor(s), right owner(s), group(s). And in case of acquisitions or bankruptcy, only the original company shall be listed.

Duration listed should conform to approximate running time as used for original release.

B2. DESCRIPTIVE DATA FOR NON EPISODIC AUDIOVISUAL WORKS

Of the following descriptive data, fields marked with an asterisk (*) on the ISAN Application Form are mandatory. All other fields are optional.

Required data on serial episodes is similar as they do not differ fundamentally from other types of audiovisual work.

Descriptive data listed below does not cover ISAN Version segment registration information (refer to Annex B4).

1 - CORE DATA

1 - Core data
2 - Titles
3 - Participants
4 - Composite
Next

Is Episode
Click on this button to create a serial work, this will allow you to create or use an existing serial header for this episode

General Information

Registrant : **Name**

Type : ?

Kind : ?

Year of reference: Year of 1st publication:

Duration : **Composite :**

Colour : **Silent :**

Production Information

Coproduction :

Production companies : Add

Production countries : Add

Original language : Add

Fields in **bold** are compulsory

Click on the ☰ icon to get a list of values for this field

Click on the ✖ icon to reset contents of this field

General Information:

- **Type (*)**
 - Specify the type of work, using the categories described in this User Guide (Chapter 3). For example: feature film; series; commercial; recording of a live event etc.

- **Kind (*)**
 - Specify whether the work is:
 - a combination of animation and live action
 - live action
 - animated

- **Year of reference (*)**

- The year of reference should preferably be any year that is listed on the work itself (e.g. the year that appears in conjunction with any copyright statement in credits on the work).

Convert dates in Roman numerals to Arabic numerals (e.g. MCMXCIX should be transcribed as 1999).

- **Year of 1st publication**

- The year in which the work was first released to the public. (Do not use the date of any pre-screenings to test audiences).

- **Duration (*)**

- Specify the approximate duration in minutes or seconds as first released.
- If the duration is not known at the time of initial application, it should be supplied as soon as possible thereafter (only possible for In development ISAN).
- Duration is not required when registering non-linear (e.g. interactive) audiovisual works.

- **Composite (*)**

Supply the ISAN of each component part, if applicable and available.

- **Color**

Enter if original work filmed in full color or black and white or a combination of color and black and white. (the “Colorized” choice will be available in the summer 2012)

- **Silent**

Enter if original work filmed with or without sound.

Production Information:

- **Co-production**

Indicate whether or not the work is a co-production.

- **Production Companies**

- Give the name of the main production company in the same form as appearing in the credits on the work.
- If the applicant is unsure whether to use the name of an individual or a company, the name of a company is preferable.

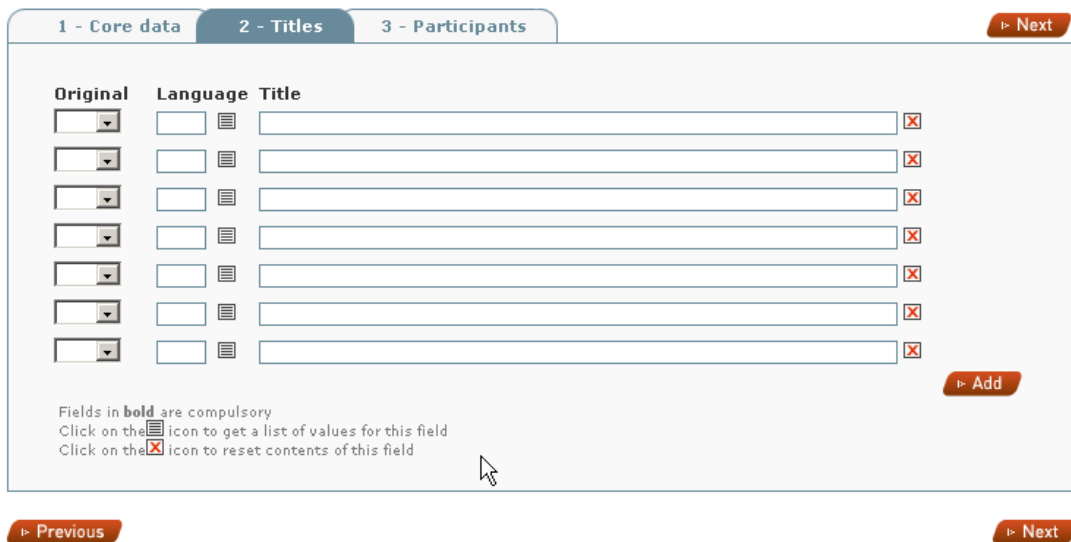
- **Production Countries**

Specify whether any listed country is to be considered as the country of production (i.e. where the main production company's headquarters are situated) or the location of principal shooting.



- **Original language (*)**

- Specify the original spoken language of the work using the categories represented by the ISO 639-2 language codes.
- Record "None" for silent films.
- If a work contains separate audio tracks for more than one language, specify the language code for each audio track.

2 - TITLES



Original	Language	Title
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Fields in **bold** are compulsory
Click on the  icon to get a list of values for this field
Click on the  icon to reset contents of this field

- **Original (*)**

- Specify whether this is the Original language title of the work or not.

- **Language (*)**

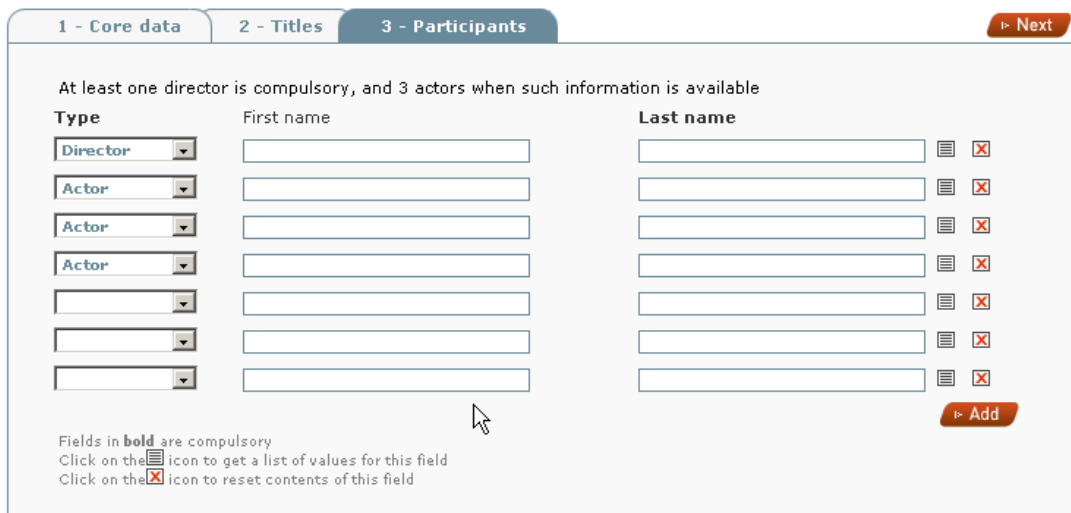
- Specify the language in which the title is written using the categories represented by the ISO 639-2 language codes.

- **Title (*)**

- Give the title in the same form as appearing on the work.
- If the title appears in more than one form in the work, give preference to the form that is given most prominence in the opening sequence of the work.



- **Alternate title(s) in the original language, if applicable (*)**
 - Give any alternate title(s) in the same form as appearing on the work.
- **Other language (s)**
 - Specify any other language code in which the work is known to have been distributed.
- **Alternate title in other language (s)**
 - Specify the title(s) used in any other language in which the work is known to have been distributed. At least one title in a Roman alphabet is required.

3 - PARTICIPANTS



At least one director is compulsory, and 3 actors when such information is available

Type	First name	Last name
Director		
Actor		
Actor		
Actor		

Fields in **bold** are compulsory
 Click on the  icon to get a list of values for this field
 Click on the  icon to reset contents of this field

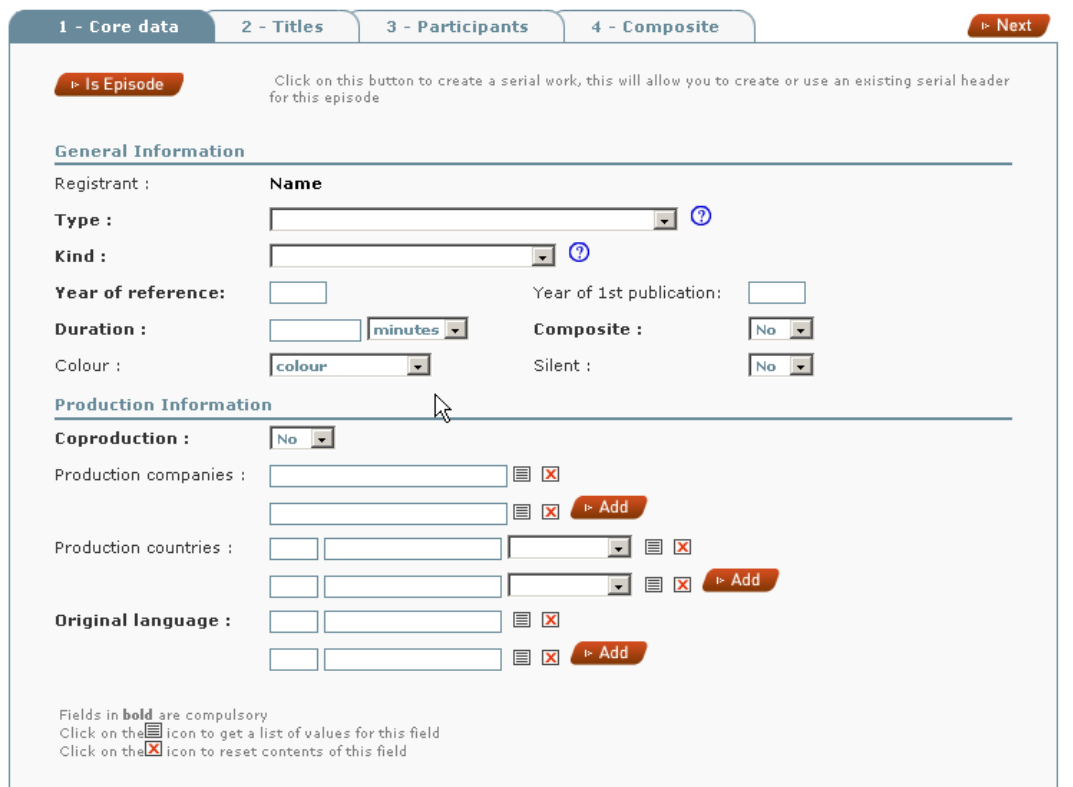
- **Type (Director) (*)**
 - Give the full name of the principal director, including Last Name and First Name. Several directors if applicable are accepted.
- **Type (Actor) (*) if applicable and available**

Supply a minimum of 3 principal cast members with their full name to include Last Name and First Name, if applicable and available. If necessary, the names of the principal characters may be supplied in lieu of the names of the principal cast members.
- **Other participants if known and available**
 - Provide the name(s) of the script writer(s) and producers in the same form as appearing in credits on the work. These include:

- Producer
- Screenwriter
- Character
- Composer
- Scriptwriter
- Anchor
- Distributor

B.3 DESCRIPTIVE DATA FOR EPISODIC OR SERIAL AUDIOVISUAL WORK

Descriptive data required for episodes is essentially the same as for other audiovisual works. In order to simplify the registration process of each new episode in the same series these are grouped under a common Serial Header by clicking on Is Episode (see below).



The screenshot shows a web interface with four tabs: "1 - Core data", "2 - Titles", "3 - Participants", and "4 - Composite". A "Next" button is in the top right. Below the tabs is a "Is Episode" button with a tooltip: "Click on this button to create a serial work, this will allow you to create or use an existing serial header for this episode".

General Information

Registrant : **Name** [text input]

Type : [dropdown menu] ?

Kind : [dropdown menu] ?

Year of reference: [text input] Year of 1st publication: [text input]

Duration : [text input] [minutes dropdown] Composite : [No dropdown]

Colour : [colour dropdown] Silent : [No dropdown]

Production Information

Coproduction : [No dropdown]

Production companies : [text input] [list icon] [X icon] [Add button]

Production countries : [text input] [dropdown menu] [list icon] [X icon] [Add button]

Original language : [text input] [list icon] [X icon] [Add button]

Fields in **bold** are compulsory
Click on the [list icon] icon to get a list of values for this field
Click on the [X icon] icon to reset contents of this field

In order to add a new Serial Header, the following descriptive information must be entered:



Original	Language	Title
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Fields in **bold** are compulsory
Click on the icon to get a list of values for this field
Click on the icon to reset contents of this field

Add **Cancel** **Save**

- **Original (*)**
 - Specify whether this is the Original language title of the entire serial audiovisual work.
- **Language (*)**
 - Specify the language in which the title is written using the categories represented by the ISO 639-2 language codes.
- **Title (*)**
 - Give the title of the entire serial audiovisual work using the form in which it appears in the work.
- **Alternate title(s) in the original language, if applicable**
 - Give any alternate title(s) in the same form as appearing on the entire serial audiovisual work.
- **Other language (s)**
 - Specify any other language code in which the entire serial audiovisual work is known to have been distributed, using the form in which it appears in the work.
- **Alternate title in other language (s)**
 - Specify the title(s) used in any other language in which the entire serial audiovisual work is known to have been distributed.

Once the Serial Header has been selected or created, the following descriptive information must be entered.

- animated

- **Year of reference (*)**
 - The year of reference should preferably be any year that is listed on the episode itself (e.g. the year that appears in conjunction with any copyright statement in credits on the work).
Convert dates in Roman numerals to Arabic numerals (e.g. MCMXCIX should be transcribed as 1999).

- **Year of 1st publication**
 - The year in which the episode was first released to the public. (Do not use the date of any pre-screenings to test audiences or of the original recording of the episode in front of a live audience).

- **Duration (*)**
 - Specify the approximate duration in minutes or seconds as first released.
 - If the duration is not known at the time of initial application, it should be supplied as soon as possible thereafter (only for In development ISAN).
 - Duration is not required when registering non-linear (e.g. interactive) audiovisual works.

- **Composite (*)**

Supply the ISAN of each component part, if applicable and available.

- **Color**

Enter if original episode filmed in full color or black and white or a combination of color and black and white (the “Colorized” choice will be available in the summer 2012)

- **Silent**

Enter if original episode filmed with or without sound.

Production Information:

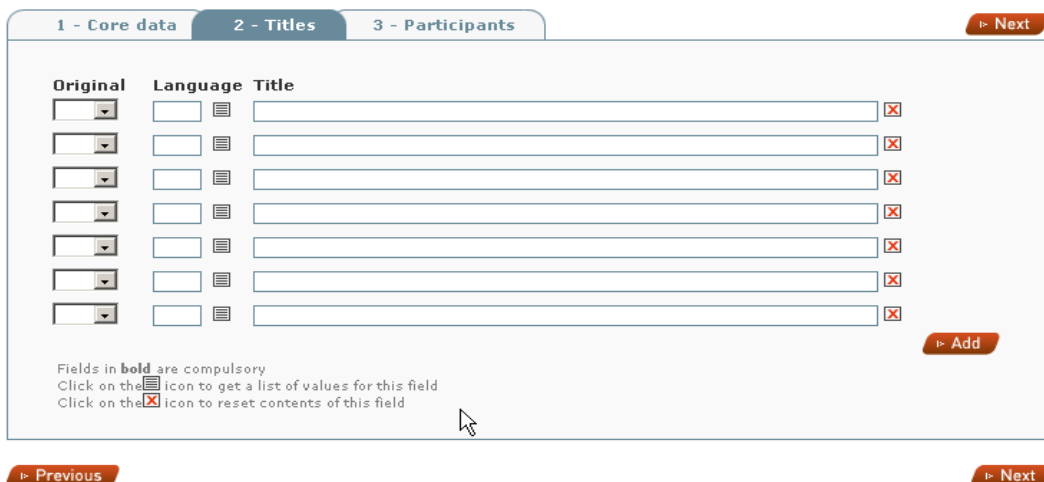
- **Co-production**

Indicate whether or not the series is a co-production.

- **Production Companies**
 - Give the name of the main production company in the same form as appearing in the credits on the work.

- If the applicant is unsure whether to use the name of an individual or a company, the name of a company is preferable.
- **Production Countries**
Specify whether any listed country is to be considered as the country of production (i.e. where the main production company's headquarters are situated) or the location of principal shooting.
- **Original language (*)**
 - Specify the original spoken language of the work.
 - If a work contains separate audio tracks for more than one language, specify the language code for each audio track.

2 - TITLES



1 - Core data **2 - Titles** 3 - Participants Next

Original	Language	Title
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/> <input type="checkbox"/>

Fields in **bold** are compulsory
Click on the icon to get a list of values for this field
Click on the icon to reset contents of this field

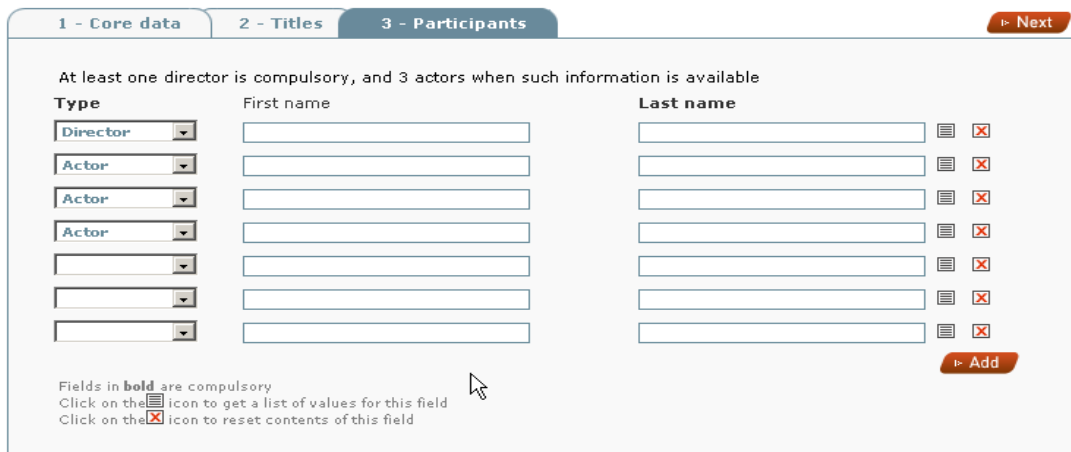
Previous Add Next

- **Original (*)**
 - Specify whether this is the Original language title of the episode.
- **Language (*)**
 - Specify the language of the title using the categories represented by the ISO 639-2 language codes.
- **Title (*)**
 - Give the title in the same form as appearing on the episode.
- **Alternate title(s) in the original language, if applicable (*)**
 - Give any alternate title(s) in the same form as appearing on the episode.

- **Other language (s)**
 - Specify any other language code in which the episode is known to have been distributed, using the form in which it appears in the work.

- **Alternate title in other language (s)**
 - Specify the title(s) used in any other language in which the episode is known to have been distributed.

3 - PARTICIPANTS



At least one director is compulsory, and 3 actors when such information is available

Type	First name	Last name
Director		
Actor		
Actor		
Actor		

Fields in **bold** are compulsory
Click on the [list icon] to get a list of values for this field
Click on the [X icon] to reset contents of this field

- **Type (Director) (*)**
 - Give the full name of the principal director of episode, including Last Name and First Name.

- **Type (Actor) (*) if applicable and available**

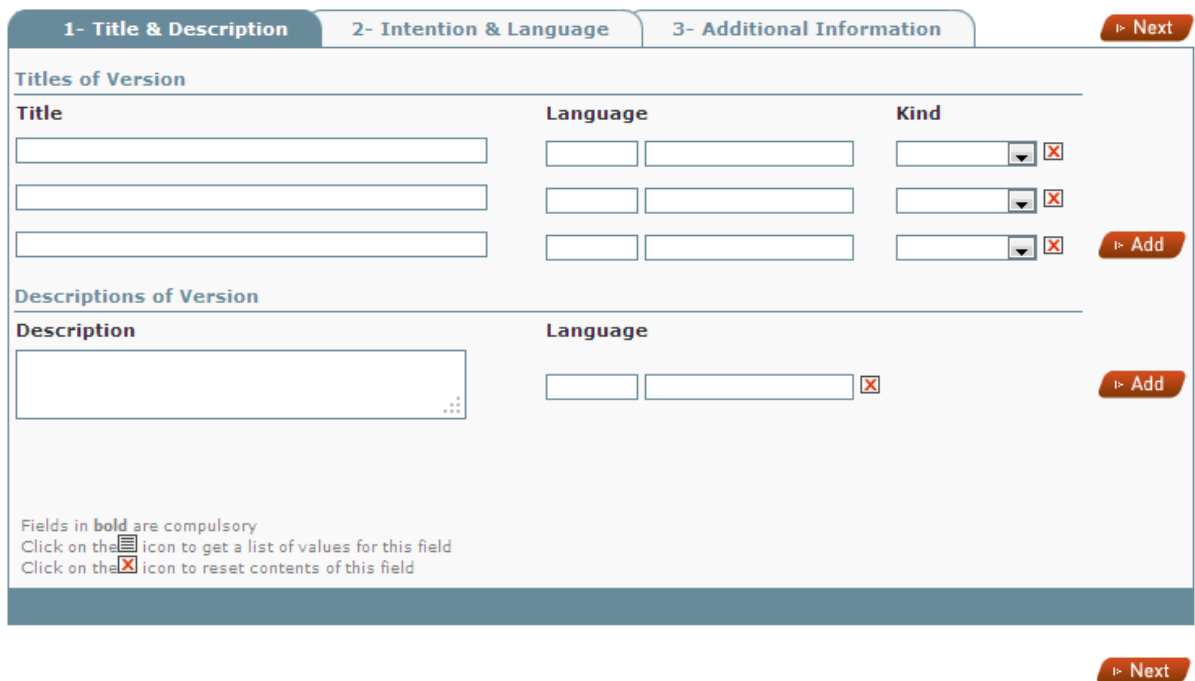
Supply a minimum of 3 principal cast members with their full name to include Last Name and First Name, if applicable and available. If necessary, the names of the principal characters may be supplied in lieu of the names of the principal cast members.

- **All other participants if known and available**
 - Provide the name(s) of the script writer(s) and producers in the same form as appearing in credits on the work. These include:
 - Producer
 - Scriptwriter
 - Screenwriter
 - Anchor
 - Character
 - Distributor
 - Composer

B.3 DESCRIPTIVE DATA FOR VERSIONS OF AUDIOVISUAL WORKS

Of the following descriptive data, fields marked with an asterisk (*) on the ISAN Version Application Form are mandatory. All other fields are optional.

1 – TITLE & DESCRIPTION



1- Title & Description 2- Intention & Language 3- Additional Information > Next

Titles of Version



Title	Language	Kind
<input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

> Add

Descriptions of Version

Description	Language
<input type="text"/>	<input type="text"/> <input type="text"/>

> Add

Fields in bold are compulsory
Click on the  icon to get a list of values for this field
Click on the  icon to reset contents of this field

> Next

Titles of Version

- **Title(*)**:
 - Give the title in the same form as appearing on the version.
 - If the title appears in more than one form in the version, give preference to the form that is given most prominence in the opening sequence of the version.
- **Language (*)**: Specify the language of the version title using the categories represented by the ISO 639-2 language codes.
- **Kind (*)**: Specify whether this is the Original or Alternate language title of the Version or a non official Translation.

Description of Version

- **Description (*)**: a description of the version that can help to identify the specificities of the version when such a specific metadata field is not available. The description is complementary to the “Version Intention”.
- **Language (*)**: Specify the language in which the version description is made using the categories represented by the ISO 639-2 language codes.

2 – INTENTION & LANGUAGE

1 - Title & Description
2 - Intention & Language
3 - Additional Information
▶ Next

Intention(s) of the Version

Version Intention Kind

✖

Version of an existing version

Related ISAN

✖

▶ Add

Version Languages

Is the Version Silent No Yes

Spoken Languages

✖

✖

▶ Add

Subtitle Languages

✖

✖

▶ Add

Written Languages

✖

✖

▶ Add

Fields in **bold** are compulsory
 Click on the icon to get a list of values for this field
 Click on the icon to reset contents of this field

Version Intention Kind

- Specify the intention of the version. Several intentions can apply for the same version. Version Intention Kind can have the following values:

Linguistic	Applies for version resulting from changes in the audio track such as dubbing or the addition of subtitles in the video track.
Edition	Applies for version resulting from editions such as commercial/advertising

Media	inserts or local rating adaptation. Applies for versions resulting from the embodiment of the content into a physical medium or into a digital file or stream. For example the embodiment into an optical Disc (Blu-ray, DVD ...) or the encoding into a windows media stream.
Related Item	Applies for the identification of other content that is derived from or closely related to versions of the audiovisual work such as soundtracks, closed captioning, ring tones, fingerprints, etc.. Clarifications about such versions are expected in the <i>Version Description</i> .
Related Content	Applies for the identification of closely related content such as interviews, behind the scenes, advertising material, trailers, ..;
Other	Applies to versions which intention is not covered in the above list of intentions.
Version of an existing version	Applies when one wants to build hierarchies between different versions. See below "Version Hierarchy"




Version Hierarchy: For registrants who are interested to build versions hierarchies (for example to link a work with its expressions and manifestations, to link the soundtracks to a linguistic variant, etc), the Version Intention "*Version of an existing Version*" should be used. A "Child Version" that has one or several "Parent Version(s)" in the version hierarchy will have one "*Version of an existing Version*" Intention for each "Parent Version". The "Parent Version" is identified in the "related ISAN" field with the ISAN code of the "Parent Version".

- **Version Intention**: always "*Version of an existing Version*" when one wants to link the "Child Version" with its "Parent Version". Use the *Related ISAN* field to identify the "Parent Version".
- **Related ISAN(*)**: this is the ISAN Version code of the "Parent Version". This field is mandatory for Version Intention "*Version of an existing Version*".

Version Languages

- **Is the Version Silent**: Enter if the Version has a spoken soundtrack or not
- **Spoken Languages**: Only applicable if the version is Not Silent (see above). Specify the spoken language(s) of the version (ISO 632-2 code). If the version has several soundtracks (a Blu-ray or DVD for example), specify each spoken language.
- **Subtitle Languages**: Specify when available the subtitle language of the version (ISO 632-2 code). If version has several subtitle tracks (a Blu-ray or DVD for example), specify each subtitle language.
- **Written Languages**: When written text other than subtitles appears in the version, specify the language of such text (ISO 632-2 code). If several languages are available, specify each of them.

3 – ADDITIONAL INFORMATION

1 - Title & Description		2 - Intention & Language		3 - Additional Information		Next
Running Time	<input type="text"/>	<input checked="" type="radio"/> MIN	<input type="radio"/> SEC	<input type="radio"/> MIL		
Version Year of Release	<input type="text"/>					
Version Distribution						
Distribution Kind	Distribution Platform	Distribution Media				
<input type="text"/>	<input type="text"/>	<input type="text"/>				
External Ids						
Identifier Type	Identifier Value					
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>				
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>				<input type="button" value="Add"/>
Rating and Content Alert						
Rating Informations						
Rating Country	Rating System	Rating Code				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>			<input type="button" value="Add"/>
Work contains references to :	<input type="text"/>					<input type="button" value="Add"/>
<small>Fields in bold are compulsory Click on the  icon to get a list of values for this field Click on the  icon to reset contents of this field</small>						

Length & Year

- **Running Time:** The running time of the version. Can be expressed in minutes, seconds or milliseconds.
- **Version Year of Release:** year in which the version was first released to the public. For expressions use the year of reference as defined in the work level.

Version Distribution

- **Distribution Kind:** Fill in the targeted distribution channel for the version. Possible options are: *Theatrical, Broadcast, Home Video, Airline, Internet, Other*.
- **Distribution Platform:** Fill in the targeted distribution platform for the version: Possible options are: *Digital Cinema, Analogue Cinema, Cable, Satellite, Free TV, Digital TV (Terrestrial), Pay Per View, Pay TV, VOD, Internet, Nomad Screen, Computer, Game Console, Online, Multiple, Other*.
- **Distribution Media:** Specify the medium on which the content is fixed. Since an increasing number of audiovisual works are dematerialized (without a fixed physical carrier), Distribution Media can also be files or streams without physical properties. Possible Distribution Media are: *Betamax, Blu-Ray, Digital Print, DVD, EDV, Film Print (16mm/35mm/70mm), HD DVD, Laserdisc, UMD, VCD, CDRom, VHS, Post Prod Media, Other (files, streams,...)*.

Tips:

- for Blu-ray discs, click the Blu-ray logo to fill the Version Distribution fields automatically
- for files or streams, specify the encoding format and technical properties in the Version Description.

External IDs: for each version an unlimited list of external related identifiers can be specified. For example a version that identifies the content on a Blu-ray can be linked to the UPC code of the Blu-ray, and/or be linked to the ISRC code of the musical recording of the soundtrack, etc.

- **Identifier Type:** Specify the type of identifier. Possible choices are:

ISWC	International Standard Musical Work Code.
ISRC	The International Standard Recording Code is the international identification system for sound recordings and music video recordings.
ADID	Advertising Digital Identification.
DDEX	Digital Data Exchange.
UMID	Unique Material Identifier is a unique identifier for locally created audiovisual material.
REGID	Used by registrants to identify their works. It is unique across all the works

OTHER submitted by a registrant during its Registrant lifetime.
Any other external identifier that is not covered in this list (e.g UPC or EIDR identifier, etc...).

- **Identifier value:** The value of the identifier

Rating & Content Alert: Rating systems for almost 50 countries are already pre recorded in the ISAN system. Several rating countries and systems can be applied to the same version.

- **Rating Country:** Specify the country for which the rating system applies
- **Rating System:** Specify the rating system
- **Rating Code:** Specify the rating code
- **Work Contain References To:** Content alert. Specify one or several alerts from the list of content alerts:

ALCOHOL	Reference or use of alcohol
BLASPHEMY	Reference to blasphemy
BLOOD	View of blood, animated blood
DRUG	Reference or use of drugs
GAMBLING	Reference to Gambling
GORE	View of blood and gore
KISSING	Reference to Kissing
LANGUAGE	Crude language, lyrics or humor
MATURE	Mature content
MISCHIEF	Reference of Mischief
NUDITY	View of Nudity
SEXUAL	Sexual content
TOBACCO	Reference or use of tobacco
VIOLENCE	References to violence
OTHER	Any other alert not covered by this list

Annex C: Glossary

“Audiovisual Content” or “AV Content” means collectively “Audiovisual Work” and/or “Version” as applicable.

“Audiovisual Work” or “AV Work” means a work consisting of a sequence of related images, with or without accompanying sound, which is intended to be made available as a motion imagery experience through the use of various devices, regardless of the medium of initial or subsequent fixation or distribution.

“Composite AV Work” means 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).

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.

“Episode” means an AV Work or a portion of an AV Work, connected to other AV Works forming a series of AV Works.

“InDev ISAN” or “In-Development ISAN” means an ISAN allocated to an AV Work in development, pre-production or production, therefore not yet complete, for which the applicable Registrant has not yet submitted all necessary and final metadata for an active ISAN.

“ISAN” means the unique number generated, allocated, managed and stored by ISAN-IA upon application by a Registrant filed via an appointed RA for the unique identification of an AV Work, in accordance with ISO 15706-1 & ISO 15706-2 and their amendments.

“ISAN Barcode” means the bi-dimensional barcode to which an ISAN and/or V-ISAN is associated.

“ISAN Central Repository” shall mean the central database owned, held, operated and managed by ISAN-IA, which includes all administrative and descriptive information associated to ISAN and V-ISAN (including ISAN Records), of which the ISAN Database is a subset.

“ISAN Database” means the compilation by ISAN-IA of ISANs and V-ISANs, including the ISAN Records and ISAN Metadata and any updates as may occur from time to time.

“**ISAN Lookup**” means an ISAN or V-ISAN consultation request done on the ISAN Database, for which the ISAN System will return as a lookup result, the metadata fields from the ISAN Record with respect to such ISAN or V-ISAN from the ISAN Database.

“**ISAN Metadata**” means any AV Content descriptive information including but not limited to title, duration, year of production, director, actors etc., registered in the ISAN Record (as part of the ISAN Database) and associated to the ISAN or V-ISAN which is allocated to the registered AV Content.

“**ISAN Metadata Schema**” means the XML encoding schema for the ISAN Metadata, as may be published by ISAN-IA on the ISAN-IA Website and updated from time-to-time.

“**ISAN Queries**” means the query services (consultation of the ISAN Database) offered by ISAN-IA and its designees such as Registration Agencies, via Web Template, Web Services or any other form of database look-up now known or hereafter invented.

“**ISAN Record**” means the full metadata set, including ISAN Metadata and administrative and descriptive information, associated to a particular ISAN or V-ISAN, as allocated to a Registrant's submitted AV Content.

“**ISAN Registrant**” means the producer of an AV Work, authorized proxy of such a producer, or other such Person who is registered within the ISAN System for the purposes of obtaining an ISAN for AV Works.

“**ISAN Standard**” means collectively the ISAN and V-ISAN standards (ISO 15706-1 & 2) and any of its updates and amendments.

“**ISAN System**” shall mean all business, information technology and security components used to implement the ISAN Standard, including but not limited to software applications, ISAN Web Template and ISAN Web Services enabling access to the ISAN Central Repository and any information included therein.

“**ISAN Web Services**” means a set of services offered by ISAN-IA, which enables websites, services and applications to perform various functions on the ISAN System, including but not limited to accessing the ISAN Central Repository for AV Content registration for the purpose of obtaining ISANs or V-ISANs, or for ISAN Queries, ISAN Lookups.

“**ISAN Web Template**” means an online browser-based web application service designed and managed by ISAN-IA, offered to appointed Registration Agencies and their clients (i.e., Registrants and

Readers, not publicly accessible) for the purpose of accessing the ISAN System via a publicly available web browser to perform various functions including but not limited to accessing the ISAN Central Repository for AV Content registration for the purpose of obtaining ISANs or V-ISANs, and conducting ISAN Queries, ISAN Lookups.

“ISAN-IA Marks” means all registered ISAN trademarks and service marks used and registered by ISAN-IA to indicate source of goods or services.

“ISAN-IA Materials” means any information authored, published or owned by ISAN-IA, whether ephemeral or fixed in any material form, including without limitation ISANs, V-ISANs, ISAN Records, ISAN Database and ISAN Central Repository, ISAN-IA Website, the ISAN Web Template, ISAN Web Services, and any documents, whether electronic or in hard-copy print, or other communication containing information relating to the ISAN System and/or services associated with ISAN and/or V-ISAN.

“ISAN Version” see V-ISAN.

“ISAN-IA Website” means the official, publicly available website for ISAN, which is located at www.isan.org. ISAN Lookups are available on the ISAN-IA Website.

“Minimum Required Metadata” means the fields of metadata that are required with respect to any particular AV Content before issuing an ISAN or V-ISAN with respect to such AV Content, all as set forth on Exhibit C of these ToU.

“Person” means a reference to a natural individual or any legal entity.

“Reader” means every Person interested to consult the ISAN Database.

“Registrant” means collectively “ISAN Registrant” and “V-ISAN Registrant”.

“Registration Agency” or “RA” means a Person appointed and authorized by ISAN-IA for the purpose of conveying ISANs and/or V-ISANs allocated to AV Content submitted by Registrants.

“Resolution Service Provider” or “RSP” means a Person that maintains and makes available a set of metadata associated with specific V-ISANs (e.g. rating information, synopsis, fingerprint reference, business rules, etc.).

Serial audiovisual work: Audiovisual work produced in individual episodes or parts which bear a relationship to each other and (usually) a common title for the whole series.

“Shall not engage in any form of Rights Management” under the present User Guide shall be read in relation to the provisions of paragraph 1 of the ISO standard 15706 which states that “The issuance of an ISAN is in no way related to any process of copyright registration, nor does the issuance of an ISAN provide evidence of the ownership of rights in an audiovisual work,” and therefore does not prevent any RA from engaging in the provision of systems enabling the expression and communication of business rules relating to content, “DRM”, etc., provided such activity does not conflict with these ISO restrictions. For such uses of ISAN, the ISAN Founders will maintain MFN status with regard to licensing and use of ISAN data. Further, unless a current RA is doing so at the time of adoption of the present User Guide, RAs are prohibited from the actual collection and/or distribution of royalties.

Standardized Metadata: Standardized Metadata is the descriptive information about a work, uniformed to one unique model, developed within the International Standard Organization (ISO). ISAN is ISO:15706-1 and V-ISAN is 15706-2. Standardized metadata facilitates the exchange of information by interoperability since every work is described with the same metadata, regardless its original country.

“Users” means collectively any Registrant, Reader, RA, and/or any other user of the ISAN Standard.

“Version” means a particular version, or aggregation of elements that affects the content of an AV Work. For example, any change that affects the content of an AV Work (e.g. artistic content, language, editing, technical format, distribution) and which requires separate identification for the use or exploitation of that specific content can be treated as a new Version for the purposes of assigning a V-ISAN.

“V-ISAN” or “ISAN Version” means the unique identifier composed of a registered ISAN in combination with an appended version segment for a specific version or other content derived from or directly related to an AV Work and allocated in accordance with ISO 15706-2 and this User Guide.

“V-ISAN Registrant” means the Person associated with the registration of a Version, for obtaining a V-ISAN.