# Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Revision ID | Date | Editor | Action |
| RC-1 | 4/5/2016 | Edgar Roman |  |
| RC-2 | 4/11/2016 | Edgar Roman |  |
| RC-3 | 4/29/2016 | Edgar Roman | Parts 1 & 2 were published in draft |
| 1.0 | 5/16/2016 | Edgar Roman | Parts 1 & 2 were published |
| RC-4 | 7/13/2016 | Edgar Roman |  |
| 2.1 | 5/31/2017 | Interconnection Working Group | Part 2. Core Content Metadata:  Series   * Synopsis90 now Synopsis100 * NOLA Root now Program Identifier * NOLA Episode now Episode Identifier   Release   * Release Identifier added * Repair Description added   Core Business Metadata   * Prefix Codes added   Reference for Field Values   * Audio Type Dolby replaced with Surround * Release Type   + Stacked/Unedited replaced with Stacked   + Evergreen added |
| RC-5 | 10/2/2017 | PBS ETAC Metadata Working Group |  |

# Common Metadata Entities

Entities provide systems to manage records. Entities support the records perspective for understanding the business domain but they are not in themselves always tangible objects.

Catalog Content:

* [Series](#h.fj84pzkguz3g)
* [Season](#h.4k798b48fl3a)
* [Episode](#h.7q8zszeso590)

Curated Compilations

* [Compilation](#h.ueln8nevu620) (optional)

Distributable Works

* [Manifestation](#h.uooamhfqzh1r)

Physical Files

* Asset



## Series

For most programs, the Series is the name of the program and contains multiple [Seasons](#h.4k798b48fl3a) that run for several [Episodes](#h.7q8zszeso590). Examples of a Series include NOVA, Nature, PBS Newshour.

### Series Structural Relational Metadata

As represented in [Figure 1](#h.2zs2s6ybmu1w), a Series has the following relationships with other concepts:

|  |  |
| --- | --- |
| **Relationship** | **Description** |
| partOf | A Series can be part of a Compilation, an association with another Series or an [One Time Only](#h.19d3kbapffh5) show. |
| contains | A Series typically contains one or more [Seasons](#h.4k798b48fl3a). In rare cases, Specials re-occur annually which merits a Series. |

### Entity = eidr:Series

### Elements = eidr:Series

| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| --- | --- | --- | --- | --- |
| Structural Type | Always "Abstraction". | “Abstraction” | 1 | Required |
| Referent Type | Always "Series". | "Series" | 1 | Required |
| Mode | Always “AudioVisual” | “AudioVisual” | 1 | If a broadcast series, this is required. |
| Content Identifier | Content Identifiers provide a means by which to locate an asset across platforms. <type> is the type of identifier.  <domain> is the organization domain name. <category> additional naming to provide context within the scope of ID usage. (optional to include) <ID> (domain specific ID) is a string that corresponds with the domain. | "cid:Amazon:JDJKSH-SJSHJJJ","cid:HULU:IKKEKKE-JSJSJS14223" "cid:org:pbs.org:NOLARoot:NOVA" "cid:EIDR:xxxx-xxxx-xxxx" | 0..n |  |
| UID | An organization's GUID (global unique identifier) for internal tracking purposes. | cid:XXXX-XXXX-XXXX-XXXX-XXXX | 1 | Required |
| Series Class | Describes the general type of Series. Most Series are Episodic, which is assumed if no Series Class is provided. | Episodic, Anthology, Mini-series | 1 | Required |
| Organization/Contact Info/Phone@Type | A mechanism to identify a number's utility. | Main, Mobile, Fax, Other, Office | 1 |  |
| Organization/Contact Info/Phone | Phone number. | +14155552671 | 1 |  |
| Organization/Contact Info/Address | Mail address |  | 1 |  |
| Organization/Contact Info/PrimaryEmail | Primary email address for contact. |  | 1 |  |
| Organization/Contact Info/Name | Use when the contactID is blank. Display name of primary contact. |  | 1 |  |
| Organization/Contact Info/contactID | If an existing contact is reused, provide the contactID and leave the remaining contact fields blank.The Distributor's assigned contact UID. |  | 0 | Conditionally Required. |
| [Organization@organizationID](mailto:Organization@organizationID) | If an EIDR organizationID is provided, idType must also be provided. |  | 0 | Conditionally Required. |
| Organization@domain | If idType is EIDRPartyID, org must be a valid EIDR Party ID | ISAN,TVG,AMG,IMDB,MUZE,TRIB,URI,EIDR,Grid, etc. | 1 |  |
| [Organization@role](mailto:Organization@role) | Distributor is required. | Producer, Broadcaster, Distributor, Editor, Encoding, Post-Production, Licensor, Other | 1 |  |
| Organization/DisplayName | A company associated with the work, **preferably** a list of the producers, distributor or else the original commissioning broadcaster. | NETA, APT | 1..n | Executive Producer is required. |
| Title/Class | Most often “release”, “regional”, or “AKA”. Other values are possible, including “Working” or “Internal”. |  | 1 | Required |
| Title/Language | The language of the title. Use “und” if not known. | e.g., en | 1 | Required |
| Title | The Series’ original release title in mixed case without trailing articles. For most programs, the Series is the name of the program and contains multiple Seasons that run for several Episodes. Examples of a Series include NOVA, Nature, PBS Newshour. A Series can be part of a Collection in association with another Series or an One Time Only show. | “Mercy Street” | 1 | Required |
| Country of Origin | This field specifies the country from which the Title originates. | The country of origin for CRTC Recording productions is Canada, so the ISO 3166-1 alpha 2 code is CA. | 1 | Required |
| Synopsis100 | Additional information regarding the nature of the work to assist discovery and manual de-duplication. Not a plot synopsis. | Romeo and Juliet are teenagers who fall in love despite their families hate and leads to their doom. | 1 |  |
| Synopsis4000 | Preferably 250 characters only. The plot of a novel, play, movie, or other narrative form. | William Shakespeare's Romeo and Juliet is a beloved play that is 400 years old, and is the most popular of this man's works. The play opens with a throwback to the ancient Greek choruses, where the actor(s) bring the audience into the action of the play by telling it everything that has come before the action begins, a form of exposition. The first scene is a fight in the street between to two factions, the Capulets and the Montagues, and here is its we are introduced to Romeo, of late unhappy that his romance with Rosaline has gone sour. Here he meets with his friends, Benvolio (a kinsman) and Mercutio (best friend, and cousin to the Count) | 1 |  |
| Credits@role | Producer is required. | Writer, Director or Producer | 1 | Required |
| Credits@displaynameId |  | "Name" | 1..n | Required |
| Credits/Display Name | Producer is required. | "Name" | 1..n | Required |
| Language Secondary | This field lists the secondary languages, if any, used in the original production. See Primary Language for accepted values. | œ en (English) œ sp (Spanish) œ de (German) œ fr (French) œ ja (Japanese) | 0…n |  |
| Language Primary@mode | “Audio” (Silent Series are “Visual”) |  | 1 | Required |
| Language Primary | Indicates the primary language spoken in the original production. | œ en (English) œ sp (Spanish) œ de (German) œ fr (French) œ ja (Japanese) | 1 | Required |
| Approximate Length | Determines the default Runtime for newly produced Episodes. This value only represents the Runtime for current and future Episodes and does not need to capture the HD Level for past Episodes. Example: An episode of Downton Abbey runs 60 minutes, so Length=60. | "PT2SM" | 1 | Required |
| Release Date | A date (of type xs:date) or four-digit year (of type xs:gYear): e.g., 2006-05-14 | "domain:2003" "amazon:2015" | 1…n | Required |



## 

## Season

A Season is a container for the initial release of a group of Episodes. Seasons are created by a Distributor.

### Season Relational Metadata

As represented in [Figure 1](#h.2zs2s6ybmu1w), a Season has the following relationships with other concepts:

|  |  |
| --- | --- |
| **Relationship** | **Description** |
| isPart | A Season is part of a [Series](#h.fj84pzkguz3g). |
| contains | A Season contains [Episodes](#h.7q8zszeso590). |

### 



### Entity = pm:Season

### Elements = eidr:Season

| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| --- | --- | --- | --- | --- |
| Season Class | Describes the general type of Season. Most original broadcast Seasons are Main, which is assumed if no Season Class is provided. | Main, Adjunct | 1 | Required |
| Referent Type | Always "Season" | "Season" | 1 | Required |
| Parent ID | Series UID |  | 1 |  |
| UID | An organization's GUID (global unique identifier) for internal tracking purposes. | "XXXX-XXXX-XXXX-XXXX-XXXX" | 1 |  |
| Content Identifier | <type> is the type of identifier.  <scheme> is the organization domain name. <SSID> (scheme specific ID) is a string that corresponds with the scheme <scheme>.  cid:<idType>:<ID> | "cid:Amazon:JDJKSH-SJSHJJJ","cid:HULU:IKKEKKE-JSJSJS14223" "cid:org:pbs.org:NOVA" | 0..n |  |
| Title | [Series Title] + [Season Number] | Curious George Season 9 | 1 | Required |
| Sequence Number | A flexible, but mainly numeric, representation of the sequence of release within a set or season as used in distribution. Note that ContentNumber-type allows non-numeric values such as '3a' and '1.2'. | 9 | 1 |  |
| Release Date | A date (of type xs:date) or four-digit year (of type xs:gYear): e.g., 2006-05-14 | "2017-10-24" | 1 | Required |







## Episode

An Episode represents the storyline of the program.

### Structural Metadata for an Episode

As represented in [Figure 1](#h.2zs2s6ybmu1w), an Episode has the following relationships with other data objects:

|  |  |
| --- | --- |
| **Relationship** | **Description** |
| partOf | An Episode is part of a [Season](#h.4k798b48fl3a), which are in turn contained by a [Series](#h.fj84pzkguz3g). |
| associated with | An Episode can be associated with a Compilation. |
| rendered as | An Episode renders as a Manifestation. |



### 

### Entity = eidr:Episode

### Entity = edir:Episode

| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| --- | --- | --- | --- | --- |
| Referent Type | Describes the abstract nature of the content of a referent irrespective of its structuralType. Cannot be be inherited and must be self-defined. For example, an object created as a movie is a movie whether it is being shown in a cinema, broadcast as an edited version over terrestrial TV, streamed over the Internet, or played from a DVD. | TV, Movie, Web, Short, or Supplemental | 1 | Required |
| Parent ID | Maps an episode to a season or series. |  | 1 |  |
| EIDR ID | Provided by EIDR. | cid:EIDR:10.5240%2fF592-58D1-A4D9-E968-5435-L | 1 |  |
| UID | An organization's GUID (global unique identifier) for internal tracking purposes. | XXXX-XXXX-XXXX-XXXX-XXXX | 1 |  |
| Content Identifier | <type> is the type of identifier.  <scheme> is the organization domain name. <SSID> (scheme specific ID) is a string that corresponds with the scheme <scheme>.  cid:<idType>:<ID> | "cid:Amazon:JDJKSH-SJSHJJJ","cid:HULU:IKKEKKE-JSJSJS14223" "cid:org:pbs.org:NOVA 000101" | 0..n |  |
| Episode Class | Describes the general type of Episode. Most Episodes are Main, which is assumed if no Episode Class is provided. | Main, Pilot, Standalone, Special, Omnibus, Recut, Segment | 1 | Required |
| Organization/Contact Info/Phone@Type |  | Main, Mobile, Fax, Other, Office | 1 |  |
| Organization/Contact Info/Phone | Phone number. | +14155552671 | 0..n |  |
| Organization/Contact Info/Address | Mail address |  | 1 |  |
| Organization/Contact Info/PrimaryEmail | Primary email address for contact. |  | 1 |  |
| Organization/Contact Info/Name | Person or point of contact. Use when the contactID is blank. |  | 1 |  |
| Organization/Contact Info/contactID | If an existing contact is reused, provide the contactID and leave the remaining contact fields blank |  | 0 | Conditionally Required. |
| [Organization@organizationID](mailto:Organization@organizationID) | If an EIDR organizationID is provided, idType must also be provided. If no Organization ID is provided, Organization/DisplayName is required. |  |  | Conditionally Required. |
| [Organization@idType](mailto:Organization@idType) | If idType is EIDRPartyID, org must be a valid EIDR Party ID | ISAN,TVG,AMG,IMDB,MUZE,TRIB,URI,EIDR,Grid, etc. | 1 |  |
| [Organization@role](mailto:Organization@role) | Distributor is required. | Producer, Broadcaster, Distributor, Editor, Encoding, Post-Production, Licensor, Other | 1 |  |
| Organization/DisplayName | Required if the Organization ID is not available. |  | 1…n | Conditionally Required. |
| Title/Class | Most often “release”, “regional”, or “AKA”. Other values are possible, including “Working” or “Internal”. |  | 1 | Required |
| Title | The full title for a piece of content. | “Decision 2016 Election Special” | 1 | Required |
| Title120 | An abbreviates title for display on OTT and EPG platforms. | “Decision 2016 Election Special” | 1 |  |
| Country of Origin | This field specifies the country from which the Title originates. | "EN" | 1 | Required |
| Credits@role | Producer and Distributor are required. | Actor, Moderator,Analyst, Music Director,Anchor, Musician,Animal, Actor,Narrator,Animation, Panelist, Announcer, Performer,Appearing, Photographer, Art Director, etc | 1..n | Required |
| Credits/Display Name | Required if the Contact ID is not available. | "Name" | 2…n | Producer and Director are required |
| Genre Primary | PBS's custom grouping mechism to manage similar topics. | "Children’s" | 1 | Required |
| Genre Secondary | Subject-matter attributes that describe the show. Used to drive recommendation engines on MSO, OTT, and VOD. | "History","Drama" | 1…5 | Required |
| Synopsis100 | Additional information regarding the nature of the work to assist discovery and manual de-duplication. Not a plot synopsis. | Follow the Brass sisters into their kitchen to see how they cook up a cheeseburger dosa. | 1 | Required |
| Synopsis4000 | Preferably 250 characters only. The plot of an episode. | Follow the Brass sisters as they tackle their burger bucket list, then "flirt" their way into an Indian kitchen to uncover the mystique of Indian dosa. After some careful experimentation in their home kitchen, they serve up a cheeseburger dosa. | 1 | Required |
| Approximate Length | Determines the default Runtime for newly produced Episodes. This value only represents the Runtime for current and future Episodes and does not need to capture the HD Level for past Episodes. Example: An episode of Downton Abbey runs 60 minutes, so Length=60. | "PT2SM" | 1 | Required |
| Episode Number | Where it fits in sequence (e.g., episode 1 is “1”). Start with 1. If it is the only one in the sequence, it is numbered 1. This is a strict ordering that may not necessarily correspond with the actual release number. For example, if a show issues with episodes represented in DistributionNumber as‘1’, ‘2’, ‘3a’, ‘3b’ and 4, the corresponding Number will be ‘1’, ‘2’, ‘3’, ‘4’ and ‘5’. | “0101”, "1A", "1" | 1 | Required (see rules) |
| Distribution Number | Order of display. Lower-numbered entries are displayed before higher-numbered entries. Entries without this element should be displayed after numbered entries.Only required when EIDR Record Type = Main, Pilot, RecutFor example, when two episode segments for cartoons are combined into a single episode title: Each Episode segment in the same Season is numbered 1a, 1b, 2a, 2b, 2c, etc. The Episode title representing the combined episode is numbered as: 1, 2, 3, etc. | “0101”, "1A", "1" | 1 | Required (see rules) |
| Language Secondary | This field lists the secondary languages, if any, used in the original production. See Primary Language for accepted values. | œ en (English) œ sp (Spanish) œ de (German) œ fr (French) œ ja (Japanese) | 0…n |  |
| Language Primary@mode | “Audio” (Silent Series are “Visual”) |  | 1 | Required |
| Language Primary | Indicates the primary language spoken in the original production. | “en” | 1 | Required |
| Release Date | A date (of type xs:date) or four-digit year (of type xs:gYear): e.g., 2006-05-14 | "2017-10-24" | 1 | Required |

## Compilation

This entity is an optional metadata wrapper to group the distribution of Episodes or to arrange an editorial curation of content for a special purpose, such as NOVA’s “Making Stuff” within NOVA Season 2011.

### Entity = pm:Compilation

|  |  |  |  |
| --- | --- | --- | --- |
| **Label** | **Property** | **Usage** | **Obligation** |
| Compilation | eidr:compilation | A Collection can contain a Series and Episodes shows.  - Grouping a large body of work (e.g. Summer of Adventure, PBS Arts Fall Festival, PBS Arts Festival, Think Wednesdays)  - Aggregating an anthology Series (e.g. Masterpiece, This Old House) | 0…N |

### Elements = pm:Compilation

The record dataset for Collection are detailed in the following table:

| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| --- | --- | --- | --- | --- |
| Structural Type | Abstraction, Performance, or Digital. A compilation can only compile objects with the same structural type. | Abstraction, Performance, or Digital | 1 | Required |
| Referent Type | Always "Compilation". | "Series" | 1 | Required |
| UID | [<type> is the type of identifier.  <scheme> is the organization domain name. <SSID> (scheme specific ID) is a string that corresponds with the scheme <scheme>.  cid:org:<Organization URL>:<ID>](cid:org:%3cOrganization%20URL%3e:%3cID%3e) | "cid:org:Domain:XXXX-XXXX-XXXX-XXXX-XXXX" "cid:org:pbs.org:SummerofAdventure" | 1 | Required |
| Entry | Maps to UIDs or EIDR IDs compiled in this collection. A compilation can only compile objects with the same structural type. A compilation may not point to another compilation. |  | 0…n |  |
| Release Date | A date (of type xs:date) or four-digit year (of type xs:gYear): e.g., 2006-05-14 | "2017-10-24" | 1 | Required |
| Title | A collection of multiple whole works, such as an Ultraviolet bundle, DVD with multiple works, a franchise, etc. | Summer of Adventure | 1 | Required |
| Compilation Class | A grouping mechanism for administrative or organizational convenience that did not actually exist in original presentation. | Blu-ray, Digital Cinema, Distribution Bundle, DVD, EST, Franchise, Home Entertainment, Syndication, Series, Season:Recut, Season:Pro-Forma, Season:Mini-Series, Other | 1 | Required |
| Entry@EntryNumber | Indicates the position of this entry within the Compilation. The format matches that of an EIDR Episode Distribution Number. |  | 0….1 |  |
| Entry@Class | Describes the association between the Entry elements. | Episode, Installment, Part, Season | 0….1 |  |
| Entry/Content Identifier | Maps to UIDs or EIDR IDs compiled in this collection. A compilation can only compile objects with the same structural type. A compilation may not point to another compilation. |  | 1 |  |























## Manifestation Metadata

A Manifestation is a version of an Episode or OTO created for a specific purpose or time. It is created during Production and does not undergo the entire Content Lifecycle.

### Manifestation Metadata in the Content Lifecycle

### Entity = pm:Manifestation

### Elements = pm:Manifestation

| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| --- | --- | --- | --- | --- |
| Referent Type | Describes the abstract nature of the content of a referent irrespective of its structuralType. Cannot be be inherited and must be self-defined. | "TV" | 1 |  |
| Parent ID | Maps the Manifestation back to another Manifestation, Episode, or Supplemental object (such as a Series Sell Promo) | Manifestation UID or Episode UID | 1 | Required |
| Content Identifier | <type> is the type of identifier.  <scheme> is the organization domain name. <SSID> (scheme specific ID) is a string that corresponds with the scheme <scheme>.  cid:<idType>:<ID> | “cid:Amazon:JDJKSH-SJSHJJJ” "cid:HULU:IKKEKKE-JSJSJS14223" "cid:org:pbs.org:EditUID:xxx-xxx" "cid:org:pbs.org:PackageType:HD-Base" "cid:org:pbs.org:PackageNumber:P123456-002" | 0…n |  |
| UID | An organization's GUID (global unique identifier) for internal tracking purposes. | "XXXX-XXXX-XXXX-XXXX-XXXX" | 1 | Required |
| UseWindowEnd | A mechanism to manage embargo. | "2017-10-10T14:22:15Z" | 1…n | Required |
| UseWindowStart | A mechanism to manage embargo. | "2017-10-10T14:22:15Z" | 1…n | Required |
| Manifestation Class | Describes usage. | Version Language,VOD,EST,Game Machine,Mobile,Web,Master,Mezzanine,Proxy,Screener,DVD,Blu-ray,HD,SD,UHD,Other | 1…8 | Required |
| Edit/Class | The nature of the changes in the essence/storyline of the show that differentiate it from other versions. | Original, Unrated, Sanitized, Sanitized Audio, Sanitized Picture, Extended, Shortened, Rereleased, Product Placement, Other | 0…8 |  |
| Edit/Use | The original, primary, intended use of the Edit (e.g., storyline not the extraneous media that surrounds such as funders). In many cases, the actual uses will be different, such as the Apple iTunes Store distributing a Theatrical cut. | Theatrical, Broadcast, Home Video, Hospitality, Web, General, Unknown | 1 |  |
| Release Date | A date (of type xs:date) or four-digit year (of type xs:gYear): e.g., 2006-05-14 | "2017-10-24" | 1 | Required |
| Actual Length | The frame-accurate length of a piece of content. Example: 01:27:59;05 | "PT25M54S130Z" | 1 |  |
| Title | Describes a particular distributable instantiation of a work | “Mercy Street” | 1 | Required |
| Audio/Language/ClosedCaption | If the combined metadata for the manifest includes closed captioning, indicate the language of the captions. | “en” | 1 |  |
| Video/V-Chip | Use as a Rating and Reason concatenation. If none, use UNRATED. | "TV-PG-V" | 1 | Required |

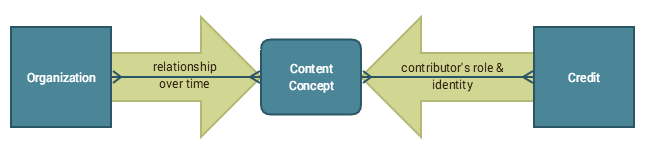
## Asset

Assets are the physical video renderings of a Manifestation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Element Name** | **Input Guidelines** | **Examples:** | **Cardinality** | **Obligation** |
| Parent ID | Maps the file back to a Manifestation. | Manifestation UID | 1 | Required |
| File Name | Filename on media. Full path if appropriate | “P450616-005-1NRHD.mxf” |  |  |
| Asset UID | An organization's GUID (global unique identifier) for internal tracking purposes. | apid:XXXX-XXXX-XXXX-XXXX-XXXX | 1 | Required |

The basic relationships between Organizations, Credits, and the abstract content models are described in [Figure 2](#h.l38x7xmap15).

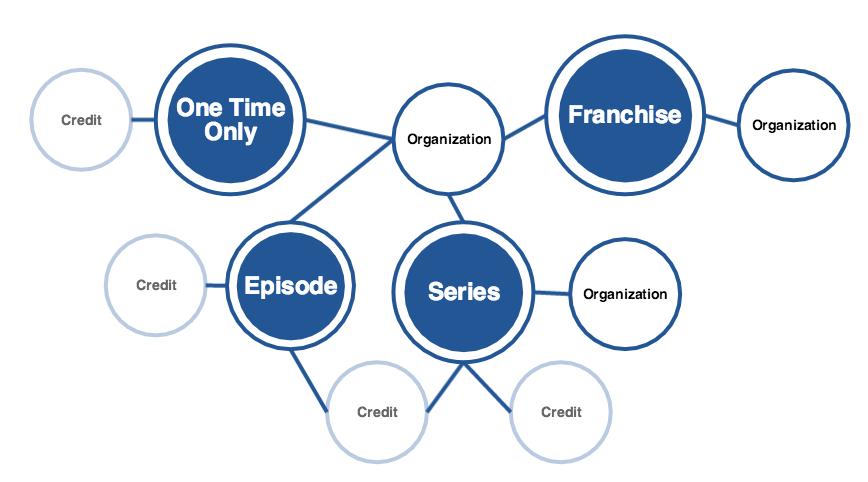
#### Figure 2: Metadata Relationships Between Organizations, Content, and Credits



Once registered, an Organization contains metadata describing its relationship to a content concept over time. Similarly, a Credit contains metadata that identifies a contributor and describes the contributor’s specific role in relation to a content.

Many Organizations and Credits can be associated with one content concept, and Organizations can be associated with various pieces of content. [Figure 3](#h.rq3l0xzd1c14) illustrates these possibilities.

#### Figure 3: Example of Multiple Content Concepts, Organizations, and Credits



This web illustrates how Credits and Organizations can be associated with multiple content concepts.

## Organizations

An Organization is some business entity with a role in content distribution, such as a Distributor, a Station, or a Producer. These Organizations may have some information like contact information and mailing addresses that would be useful to associate with content for legal reasons and planning.

|  |  |
| --- | --- |
| **Relationship** | **Description** |
| isAssociatedWith | Organization metadata should be associated with a [Franchise](#h.ueln8nevu620), [Series](#h.1nby0eec7lra), [Sub Series](#h.dvoudw3nhuzz), [Episode](#h.571gbr1gedfc), or [OTO](#h.42mucyarjkhi). |

### Setup for New Organization

During the Acquisition phase, a PBS system administrator should register new Organizations in the metadata system with the following information:

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Format** |
| Name | Name of the Organization.  **Example:** PBS | String (100) |
| Description | A description of the business entity.  **Example**: The Public Broadcasting Service is an American public broadcaster and television program distributor. | String (500) |
| Address | The physical address of the Organization’s headquarters. |  |
| Phone | The best phone number to reach the Organization. |  |
| Prefix Codes | A list of short (up to 4 characters) codes that represent this entity. Used for compact display purposes and/or other string representations such as filenames, etc. Allowed characters are A-Z and case insensitive. | String (4) |

After registration, the Organization will receive an [EIDR ID](#h.nqywwi1pe5h2), which should be added to their profile.

### Adding Organization Metadata During Acquisition

Once an Organization has a profile with an [EIDR ID](#h.nqywwi1pe5h2), it can be associated to content with the following metadata fields:

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Accepted Values** |
| Role | This captures the Organization’s role. | Distributor  Primary Producer  Secondary Producer  Primary Presenter  Secondary Presenter  Copyright Holder  Post-Production  Other |
| Start Date | The beginning of the Organization’s Role in the associated project. | Date and timestamp in the following format:  YYYY-MM-DD HH:MM:SS |
| End Date | The end of the Organization’s Role in the associated project. A null end timestamp represents a current relationship. | Date and timestamp in the following format:  YYYY-MM-DD HH:MM:SS |
| [Published](#h.t9pb3uvak60j) | This field captures the status of a curated compilation or tangible asset that does not undergo the typical content lifecycle. | * Unpublished Default value. Content is only visible to the creator. * Published Content is visible to other entities on the network. * Invalid A blocking issue prevented the content from reaching publication. |

## Credits

Credits tell the identity and role of someone who contributed to a [Series](#h.1nby0eec7lra), [Episode](#h.571gbr1gedfc), [OTO](#h.42mucyarjkhi), or [Story](#h.kf4mxv5kadr5). For example: Directed by John Smith.

Some Credit metadata may be known at the Acquisition stage, such as Producer and Director. However, a lot of the Credit metadata cannot be filled in for sure until the end of Production.

Multiple Credits can be added to a piece of content.

### Relational Metadata for Credits

As seen in the [Overview of Core Business Metadata Concepts](#h.7360ng9zq6xt), Credits have the following relationships with other concepts:

|  |  |
| --- | --- |
| **Relationship** | **Description** |
| ContributedTo | [Series](#h.1nby0eec7lra), [Episode](#h.571gbr1gedfc), [OTO](#h.42mucyarjkhi), or [Story](#h.kf4mxv5kadr5) |

### Setup for New Credit

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Accepted Values** |
| UID | Unique ID for internal tracking purposes during the Acquisition phase. | See [UID](#h.c1milzdx9jxb) |
| DisplayName | The accredited person’s name for display purposes. | String (500) |
| FirstGivenName | The person’s first name. | String (500) |
| SecondGivenName | The person’s second name. | String (500) |
| FamilyName | The person’s family name. | String (500) |
| Suffix | e.g. Jr., J.D., etc. | String (500) |
| Prefix | Miss, Mrs. Mr. | String (500) |

### Adding Credit Metadata During Acquisition

Once the individual’s profile is set up, it can be associated to content with the following metadata fields:

|  |  |  |
| --- | --- | --- |
| **Field** | **Description** | **Accepted Values** |
| Role | This field captures the type of contribution that the person made. | Producer  Director  Cast  Crew  Writer |

# Data Dictionary

| **Element Name** | **Element Category** | **Input Guidelines** | **Examples:** |
| --- | --- | --- | --- |
| Actual Length | Functional | The frame-accurate length of a performance. | 01:27:59;05 |
| Approximate Length | Functional | This value only represents the default Runtime for current and future performances and does not need to capture the HD Level for past Episodes. | Downton Abbey runs 60 minutes, so Length=60. |
| Asset UID | Administrative | An organization's GUID (global unique identifier) for internal tracking purposes. | apid:XXXX-XXXX-XXXX-XXXX-XXXX |
| Audio/Language/ClosedCaption | Technical | If the combined metadata for the manifest includes closed captioning, indicate the language of the captions. | “en” |
| Compilation Class | Functional | A grouping mechanism for administrative or organizational convenience that did not actually exist in original presentation. | Blu-ray, Digital Cinema, Distribution Bundle, DVD, EST, Franchise, Home Entertainment, Syndication, Series, Season:Recut, Season:Pro-Forma, Season:Mini-Series, Other |
| Content Identifier | Administrative | Content Identifiers provide a means by which to locate an asset across platforms. <type> is the type of identifier.  <domain> is the organization domain name. <category> additional naming to provide context within the scope of ID usage. (optional to include) <ID> (domain specific ID) is a string that corresponds with the domain. | "cid:Amazon:JDJKSH-SJSHJJJ","cid:HULU:IKKEKKE-JSJSJS14223" "cid:org:pbs.org:NOLARoot:NOVA" "cid:EIDR:xxxx-xxxx-xxxx" "cid:org:pbs.org:PackageType:HD-Base" "cid:org:pbs.org:PackageNumber:P123456-002" "cid:org:pbs.org:EditUID:xxx-xxx" |
| Country of Origin | Descriptive | The country from which the work originates. | "EN" |
| Credits/Talent Name | Descriptive | A name of cast or crew associated with the work. | "Name" |
| Credits@role | Administrative | A mechanism to identify the role of the cast or crew as it relates to the work. | Actor, Moderator,Analyst, Music Director,Anchor, Musician,Animal, Actor,Narrator,Animation, Panelist, Announcer, Performer,Appearing, Photographer, Art Director, etc |
| Credits@TalentId | Descriptive | The Distributor's assigned UID for the cast or crew prefaced by the Distributor's domain. | pbs:xxx-xxx-xxx |
| Distribution Number | Functional | Order of display. Lower-numbered entries are displayed before higher-numbered entries. Entries without this element should be displayed after numbered entries. Only required when episode Record Type = Main, Pilot, Recut | ‘1’, ‘2’, ‘3a’, ‘3b’ and 4 |
| Edit/Class | Functional | Describes the state of a storyline. Specifically used track differentiation between edits of the storyline. This does not consider extraneous media insertions, such as promos, within storylines. | Original, Unrated, Sanitized, Sanitized Audio, Sanitized Picture, Extended, Shortened, Rereleased, Product Placement, Other |
| Edit/Use | Functional | The original, primary, intended use of the storyline. This does not consider extraneous media that surrounds such as funders. | Theatrical, Broadcast, Home Video, Hospitality, Web, General, Unknown |
| EIDR ID | Administrative | A GUID provided by EIDR for a work or data object. | cid:EIDR:10.5240%2fF592-58D1-A4D9-E968-5435-L |
| Entry | Administrative | A mechanism to represent a work that is a combination of multiple works. |  |
| Entry/Content Identifier | Functional | Maps to UIDs or EIDR IDs compiled in this collection. A compilation can only compile objects with the same structural type. A compilation may not point to another compilation. |  |
| Entry@Class | Functional | Describes the contents of a compilation. | Episode, Installment, Part, Season |
| Entry@EntryNumber | Functional | Indicates the position of this entry within the Compilation. The format matches that of an EIDR Episode Distribution Number. |  |
| Episode Class | Functional | Describes the general type of Episode. Main. Most common selection. Pilot. Describes the first distributed show. Special. Describes one time only shows. Standalone. Describes a movie. Recut. Describes stacked shows or shows where there storyline is edited. Segment. Describes segments within a show, such as a cartoon. | Main, Pilot, Standalone, Special, Omnibus, Recut, Segment |
| Episode Number | Functional | Where an episode fits in sequence (e.g., episode 1 is “1”). Start with 1. If it is the only one in the sequence, it is numbered 1. This is a strict ordering that may not necessarily correspond with the actual release number. For example, if a show issues with episodes represented in DistributionNumber as‘1’, ‘2’, ‘3a’, ‘3b’ and 4, the corresponding Episode Number will be ‘1’, ‘2’, ‘3’, ‘4’ and ‘5’. | “0101”, "1" |
| File Name | Administrative | Physical file. The filename of an asset. Full path if appropriate. | “P450616-005-1NRHD.mxf” |
| First Satellite Feed Date | Functional | The date and time the Distributor releases the performance to its constiuents via a satellite feed. | "2017-10-10T14:22:15Z" |
| Genre Primary | Descriptive | PBS's custom grouping mechism to manage similar topics. | "Children’s" |
| Genre Secondary | Descriptive | Subject-matter attributes that describe the show. Used to drive recommendation engines on MSO, OTT, and VOD. | "History","Drama" |
| Language Primary | Functional | Indicates the primary language spoken in the original work. | œ en (English) œ sp (Spanish) œ de (German) œ fr (French) œ ja (Japanese) |
| Language Primary@mode | Functional | An EIDR concept. If AudioVisual, ReleaseDate must be after 1893; if Visual, "mode" attribute of OriginalLanguage or VersionLanguage must not be Audio | Audio, Visual, AudioVisual |
| Language Secondary | Functional | This field lists the secondary languages, if any, used in the original production. | Refer to Language Primary. |
| Manifestation Class | Functional | Describes the distributable work. | Version Language,VOD,EST,Game Machine,Mobile,Web,Master,Mezzanine,Proxy,Screener,DVD,Blu-ray,HD,SD,UHD,Other |
| Organization/Contact Info/Address | Administrative | Mail address | 123 Oak Street, Wellington, OH 12345 |
| Organization/Contact Info/contactUID | Administrative | The Distributor's assigned contact UID. | xxx-xxx-xxx |
| Organization/Contact Info/Name | Administrative | Display name of primary contact. | John Smith |
| Organization/Contact Info/Phone | Administrative | Phone number. | +14155552671 |
| Organization/Contact Info/Phone@Type | Administrative | A mechanism to identify a number's utility. | Main, Mobile, Fax, Other, Office |
| Organization/Contact Info/PrimaryEmail | Administrative | Primary email address for contact. | johnsmith@email.com |
| Organization/DisplayName | Administrative | A company associated with the work. | National Education Television Association, American Public Television, Public Broadcasting System |
| Organization@domain | Administrative | The organization's domain name. NOTE: If domain is EIDRPartyID, organization must be a valid EIDR Party ID. | NETA,APT,PBS,ISAN,TVG,AMG,IMDB,MUZE,TRIB,URI,EIDRPartyID,Grid, etc. |
| Organization@organizationUID | Administrative | The Distributor's assigned organization UID. | pbs:xxx-xxx-xxx |
| Organization@role | Administrative | A mechanism to identify the role of the organization as it relates to the work. | Producer, Broadcaster, Distributor, Editor, Encoding, Post-Production, Licensor, Other |
| Package Domain | Administrative | See content identifier. | <cid:org:pbs.org:PackageNumber:P123456-002> |
| Package ID | Administrative | See content identifier. | cid:org:pbs.org:PackageNumber:P123456-002 |
| Package Number | Administrative | See content identifier. | cid:org:pbs.org:PackageNumber:P123456-002 |
| Package Revision Number | Administrative | See content identifier. | cid:org:pbs.org:PackageNumber:P123456-002 |
| Package Type | Administrative | See content identifier. | cid:org:pbs.org:PackageType:HD-Base |
| Parent ID | Structural | An organization's GUID (global unique identifier) for a work to create parent/child relationships between data objects. | "XXXX-XXXX-XXXX-XXXX-XXXX" |
| Referent Type | Structural | A mechanism to identify the record's place within an organization's data object model. | Series, Season, TV, Movie, Web, Short, or Supplemental, TV, Series |
| Release Date | Functional | A date or four-digit year of the work's original release prefaced with the affected platform. | "broadcast:2003" "amazon:2015" "web:2017-10-24" |
| Season Class | Functional | Describes the original release Season.  Main. Most common selection. Adjunct. Used when distinct segments or episodes are combined into a presentation offered outside of the original season. | Main, Adjunct |
| Sequence Number | Functional | A flexible, but mainly numeric, representation of the sequence of release within a set or season as used in distribution. Allows non-numeric values such as '3a' and '1.2'. | 9, 3a, 1.2 |
| Series Class | Functional | Describes the general type of Series. Most Series are Episodic, which is assumed if no Series Class is provided. | Episodic, Anthology, Mini-series |
| Structural Type | Structural | A mechanism to identify the record structure (or required fields) dependant on the work it represents (Abstraction, Performance, or Digital). | Abstraction, Performance, or Digital |
| Synopsis100 | Descriptive | A short description of the nature of the work to assist discovery and manual de-duplication for display on OTT and EPG platforms. Not a plot synopsis. | Romeo and Juliet are teenagers who fall in love despite their families hate and leads to their doom. |
| Synopsis4000 | Descriptive | Preferably 250 characters only. The plot of a novel, play, movie, or other narrative form to assist discovery and manual de-duplication . | William Shakespeare's Romeo and Juliet is a beloved play that is 400 years old, and is the most popular of this man's works. The play opens with a throwback to the ancient Greek choruses, where the actor(s) bring the audience into the action of the play by telling it everything that has come before the action begins, a form of exposition. The first scene is a fight in the street between to two factions, the Capulets and the Montagues, and here is its we are introduced to Romeo, of late unhappy that his romance with Rosaline has gone sour. Here he meets with his friends, Benvolio (a kinsman) and Mercutio (best friend, and cousin to the Count) |
| Title | Descriptive | The original release title in mixed case without trailing articles. | “Mercy Street”, "Summer of Adventure" |
| Title/Class | Administrative | A mechanism to classify the state of the title itself. | Release, Regional, Working or Internal. |
| Title/Language | Administrative | The language of the title. | e.g., en |
| Title120 | Descriptive | An abbreviation of the original release title in mixed case without trailing articles for display on OTT and EPG platforms. | “Decision 2016 Election Special” |
| UID | Administrative | An organization's GUID (global unique identifier) for internal tracking purposes. | "XXXX-XXXX-XXXX-XXXX-XXXX" |
| UseWindowEnd | Functional | A mechanism to manage embargo. | "2017-10-10T14:22:15Z" |
| UseWindowStart | Functional | A mechanism to manage embargo. | "2017-10-10T14:22:15Z" |
| Video/V-Chip | Technical | Use as a Rating and Reason concatenation. If none, use UNRATED. | "TV-PG-V" |

# Required fields within the Data Model

