

How to Use EIDR in UltraViolet

Frequently Asked Questions

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The goal of this document is to provide practical guidance to operations implementers charged with delivering UltraViolet products using EIDR IDs. It is organized around a set of frequently asked questions coming out of real-world experience with implementing EIDR in UltraViolet distribution. There is also an appendix with some visual examples.

Readers are presumed to be familiar with general requirements for provisioning UltraViolet content. Our goal here is to answer questions about how to use EIDR in that provisioning process.

For deeper engineering background on the role of EIDR and identifiers in UltraViolet, see the documents listed in the Appendix.

The Questions in this FAQ

General Questions

1. How do EIDR IDs correspond to UltraViolet IDs (the UltraViolet CID, ALID, and APID)?
2. Do the same ID rules apply to episodic content as to movies?
3. What is an EIDR-S?
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Distribution in Multiple Territories by One Distributor

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19. Does a new distributor need a new APID or EIDR Manifestation ID if the only change is to the cards?

Other Key Questions

20. How are EIDR IDs used for UltraViolet bundles?

Appendices

- A. Further reading
- B. Sample diagram showing EIDR and UltraViolet IDs for a movie.
- C. Sample diagram showing EIDR and UltraViolet IDs for episodic content.
- D. Sample diagram showing EIDR and UltraViolet IDs for a bundle.

The Answers

General Questions

1. How do EIDR IDs correspond to UltraViolet IDs (the UltraViolet CID, ALID, and APID)?

The ID structures in UltraViolet and EIDR are closely parallel. Once content is identified in EIDR, the EIDR IDs can be used very readily as UltraViolet CIDs, ALIDs, and APIDs without the need to create custom IDs or ID structures solely for UltraViolet purposes.

The EIDR ID structure has three basic levels:

- A single top-level parent ID that identifies the film/show in the abstract.
- Multiple middle-level Edit IDs that identify different versions of the film/show.
- A third layer of Manifestation IDs that identify specific files or deliverables associated with each Edit ID.

Applying this structure to UltraViolet ID requirements,

- A middle-level EIDR Edit ID is used for the UltraViolet CID, which also identifies a specific version of a film or show.
- The same EIDR Edit ID is used for the UltraViolet ALID.

- An EIDR Manifestation ID is used for the UltraViolet APID.

NOTE: Readers are assumed to be familiar with the UltraViolet CID, ALID and APID definitions and structures. For more explanation of UltraViolet IDs and structures, see the reference documents identified in Appendix A.

2. Do the same ID rules apply to episodic content as to movies?

The general principles are the same, but for episodic content, EIDR and UltraViolet both have IDs for Seasons and Series. The process for using EIDR episodic records in UltraViolet is:

- Create an EIDR Series record. Use the EIDR-S form of the Series ID as the UltraViolet Series Content ID.
- For each season, create an EIDR Season record as a child of the appropriate Series. Use the EIDR-S form of the Season ID as the UltraViolet Season Content ID.
- For each episode, create an EIDR Episode record as a child of the appropriate Season. Create an EIDR Edit record to use as the CID for the episode.
- Once you have the initial episode CID, use the same process as for movies to generate ALIDs and APIDs.

NOTES:

- Be sure to include the Series Content ID and the Season Content ID in the UltraViolet metadata.
- EIDR has support for pilot episodes, out-of-season episodes, and many other cases. See EIDR documentation for the best practices for registering these. Once you have them registered in the EIDR hierarchy, you can treat them as above for getting a CID, ALID, and APID.

3. What is an EIDR-S?

An EIDR-S is the EIDR format used in the UltraViolet coordinator. It is a concise format of an EIDR ID created for UltraViolet. It shortens the EIDR ID by dropping the standard EIDR registry prefix and opening slash. For example,

- EIDR:10.5240/XXXX-XXXX-XXXX-XXXX-XXXX-C

becomes

- EIDR-S:XXXX-XXXX-XXXX-XXXX-XXXX-C

without the '10.5240/' prefix.

4. What is an EIDR-X?

An EIDR-X adds an extension to an EIDR-S for certain special purposes, usually to indicate a new offer (ALID) associated with the same content (same EIDR Edit ID). For example,

- EIDR-S: ABCD-ABCD-ABCD-ABCD-ABCD-E

becomes

- EIDR-X: ABCD-ABCD-ABCD-ABCD-ABCD-E:bolivia

by adding “:” + alphanumeric to an EIDR-S.

An EIDR-X is used only in certain limited circumstances, detailed in the FAQ’s below. If you create an EIDR-X ID, you will need to choose an extension that is guaranteed to result in a unique EIDR-X ID, so you may need to coordinate with other UltraViolet distributors to avoid collisions with other UltraViolet ALIDs.

5. Are new CIDs, ALIDs, and EIDR Edit IDs needed for distribution of the same content across multiple territories?

In general, you need a new CID and ALID for “new” content, which in this context includes:

- A completely new work (such as a new movie).
- A new version of an existing work that has significant changes. These include a director’s cut, edits for censoring, etc., but not changes of cards and logos.
- A version of a work for which there is any uncertainty about it being the same as the version represented by another CID/ALID.

“New” does not include:

- Additional audio tracks.
- New cards (for distributor, anti-piracy, etc.).

You do not need a new CID for new offers of an existing work – you need a new ALID. (Use an EIDR-X as the ALID of a new offer for an existing CID – there is a new offer being created in UltraViolet, but no new content is being registered in EIDR.)

It is also a good idea to consider fulfilment and the container requirements before changing the CID or ALID or APID. Bear in mind that multiple APID containers can be associated with one CID, but each APID references its associated CID. So a new CID will require the creation of new APID packages. When possible, it will be a good idea to use the same CID in order to preserve the opportunity to fulfil with the same APID.

In applying these general principles, key factors to consider are:

- Whether you are changing the film/show by editing it in a substantive way, e.g., editing for local censorship reasons,
- Whether you are changing the UltraViolet offer for the film/show,
- Whether you are the original UltraViolet distributor.

Most of the FAQ's in this document offer guidance on how to apply these factors. That guidance is summarized in the table immediately below.

Situation			What To Do			Notes
Different edit	Different offer	Different distributor	New CID	New ALID	New EIDR Edit ID	
N	N	N	N	N	N	
N	N	Y	N if ALID is EIDR-X Y if not	Y	N	Use an EIDR-X for the ALID if the new distributor is certain that an existing EIDR Edit ID describes their version of the film/show. As a practical matter, a new distributor may not be certain that the existing EIDR Edit ID is the right one, however, so this situation is expected to be rare.
Not certain	N	Y	Y	Y	Y	Create a new EIDR Edit ID to use as the ALID. This is likely to be the more common situation for new distributors.
N	Y	N	N	Y	N	Use an EIDR-X for the ALID. When the distributor is the same across territories, that distributor is more likely to be certain that an existing EIDR Edit ID describes the correct version of the film/show, so is more likely to be able to use an EIDR-X.
N	Y	Y	N if ALID is EIDR-X Y if not	Y	N	Use an EIDR-X for the ALID if the new distributor is certain that an existing EIDR Edit ID describes their version of the film/show. For reasons described above, this situation is expected to be rare.
Not certain	Y	Y	Y	Y	Y	Create a new EIDR Edit ID to use as the ALID.
Y	n/a	n/a	Y	Y	Y	Create a new EIDR Edit ID to use as the ALID.

Distribution in multiple territories by one distributor

6. If I am distributing in multiple UltraViolet territories, do I need a new EIDR Edit ID for the same content in a new territory?

No. If you are absolutely certain that the same version of the film/show is being distributed in the new UltraViolet territory, then the same EIDR Edit ID should identify that same version.

However, if you are not certain, or if you know that the film/show is a different edit than the existing distribution, then you should obtain a new EIDR Edit ID and use it for the UltraViolet CID and ALID in the new territory.

7. What if it is the same content, but the UltraViolet offer is different for the new territory?

If the UltraViolet offer is different, you will need a new UltraViolet ALID for the offer. If you are certain that the new territory is distributing the same version as the original territory, you should use an EIDR-X for the ALID instead of creating a new EIDR Edit ID.

8. Do I need a new EIDR Edit ID for a new language variant of the same content?

If the language variant also includes changes to the video of the film/show, e.g., edits for local censorship purposes, then you should create a new EIDR Edit ID.

If the language variant does not change the underlying video, then you should not create a new EIDR Edit ID. Language variants that do not change the video should be registered as Manifestation IDs that are children of the original EIDR Edit ID.

9. Do I need a new ALID for a new language variant of the same content?

If you need a new EIDR Edit ID because the language variant also changes the video of the film/show, then you will need a new ALID based on a new EIDR Edit ID. (See previous question.)

If you are making the language variant available in UltraViolet under new offer terms, e.g., for a new territory, you will need a new UltraViolet ALID, even if there are no changes to the video and you do not otherwise need a new EIDR Edit ID. In that case, if you are certain there are no other changes to the film/show other than the language variation, you should use an EIDR-X for the ALID instead of creating a new EIDR Edit ID.

If the new language is made available in an existing territory under an existing offer by the same distributor with no changes to the video, e.g., a new language option offered to consumers in an existing territory, you will not need a new UltraViolet ALID.

10. Do I need a new APID and EIDR Manifestation ID for a new language variant of the same content?

Yes. You always need a new UltraViolet APID for any change in the package, including a change to audio or subtitle language. You should create a new EIDR Manifestation ID for the language variant and use that for the new APID.

11. What if the only video change is to the cards (such as a new copyright notice)? Do I need a new ALID or EIDR Edit ID?

Changes to the cards are not substantive in EIDR. So if you are certain there are no other changes to the film/show, you do not need a new EIDR Edit ID. You can use the existing EIDR Edit ID as the CID for your new territory.

Since you are making an offer in a new territory, you will need a new UltraViolet ALID. But if you are certain the film/show has not changed other than the cards or the language variation, you can use an EIDR-X for the ALID instead of creating a new EIDR Edit ID.

If you are not certain there are no other changes to the film/show besides the cards or language variation, or if you know that the film/show is a different edit than the original, then you should obtain a new EIDR Edit ID and use it for the CID and ALID in the new territory.

12. Do I need a new APID or EIDR Manifestation ID if the only video change is to the cards?

Yes. You always need a new UltraViolet APID for any change in the package, including a change to a card. To obtain the correct EIDR ID for the APID, create a new EIDR Manifestation ID as a child of the associated EIDR Edit ID.

Distribution in Multiple Territories by Different Distributors

13. Another distributor handled the first UltraViolet release of the content. I have the rights in a new territory. Do I need a new EIDR Edit ID to use as the UltraViolet CID in my territory?

If you are certain that you are distributing the same version of the film/show, then the same EIDR Edit ID may be used for the CID. If you are not certain, or if you know that the film/show is a different edit than the original, then you should obtain a new EIDR Edit ID and use it instead.

NOTE: As a practical matter, it will be a rare case when the versions are exactly the same and you are certain of that fact, so the usual practice for a new distributor will be to obtain a new EIDR Edit ID for the new territory.

14. What if I am certain that it is the same version of the content, but the UltraViolet offer is different for my territory? Do I need a new EIDR Edit ID?

If the UltraViolet offer is different, you will need a new UltraViolet ALID for the offer. But if you are certain that the film/show has not changed, you should use an EIDR-X for the ALID using the existing Edit ID rather than creating a new EIDR Edit ID.

15. Does a new distributor need a new EIDR Edit ID for a new language variant of the same content?

If the language variant also includes changes to the video of the film/show, e.g., edits for local censorship purposes, then you should create a new EIDR Edit ID.

As a general rule, if the language variant does not change the underlying video, you should not create a new EIDR Edit ID. Language variants that do not change the video should be registered as Manifestation IDs that are children of the original EIDR Edit ID.

So if you, as the new distributor, are certain that you are distributing the same video version of the film/show other than the language variation, then you should use the same EIDR Edit ID for the UltraViolet CID. If you are not certain, or if you know that the film/show is a different edit than the original, then you should obtain a new EIDR Edit ID and use it instead.

NOTE: As a practical matter, it will be a rare case when the versions are exactly the same and you are certain of that fact, so the usual practice for a new distributor will be to obtain a new EIDR Edit ID for the new territory.

16. Does a new distributor need a new ALID for a new language variant of the same content?

Yes. Even if the video has not changed, a new distributor will need a new ALID for a distribution in a new UltraViolet territory – the offer is different.

If you, as the new distributor, are certain that you are distributing the same video version of the film/show other than the language variation, you should use an EIDR-X for the ALID instead of creating a new EIDR Edit ID. If you are not certain, or if you know that the film/show is a different edit than the original, then you should obtain a new EIDR Edit ID and use it instead.

NOTE: As a practical matter, it will be a rare case when the versions are exactly the same and you are certain of that fact, so the usual practice for a new distributor will be to obtain a new EIDR Edit ID to use as the ALID in the new territory.

17. Does a new distributor need a new APID and EIDR Manifestation ID for a new language variant of the same content?

Yes. This answer is exactly the same as above. You always need a new UltraViolet APID for any change in the package, including a change to audio or subtitle language. You should create a new EIDR Manifestation ID for the language variant and use that for the new APID to fulfil against your new ALID.

18. Does a new distributor need a new ALID or EIDR Edit ID if the only video change is to the cards (such as a copyright notice or distributor credit)?

Changes to the cards are not substantive in EIDR. So, if you are certain there are no other changes to the film/show, you do not need a new EIDR Edit ID. You can use the existing EIDR Edit ID as the CID for your territory.

Since you are a new distributor making an offer in a new territory, you will need a new UltraViolet ALID. But if you are certain the film/show has not changed other than the cards or the language variation, you can use an EIDR-X for the ALID instead of creating a new EIDR Edit ID.

If you are not certain there are no other changes to the film/show besides the cards or language variation, or if you know that the film/show is a different edit than the original, then you should obtain a new EIDR Edit ID and use it for the CID and ALID.

19. Does a new distributor need a new APID or EIDR Manifestation ID if the only video change is to the cards?

Yes. This answer is exactly the same as above. You always need a new UltraViolet APID for any change in the package, including a change to a card. To obtain the correct EIDR ID for the APID, create a new EIDR Manifestation ID as a child of the associated EIDR Edit ID.

Other Key Questions

20. How are EIDR IDs used for UltraViolet bundles?

The UltraViolet bundle mechanism, which defines a group of assets (typically associated with a product offering), corresponds to EIDR's Compilation object, which represents a collection of other EIDR objects.

The elements of the EIDR Compilation should be the EIDR Edits corresponding to the ALIDs of the bundle. When you have identified the ALIDs that will be included in the bundle, create an EIDR Compilation object that contains the EIDR Edits used for the ALIDs. Use the EIDR-S form of the Compilation ID as the UltraViolet BundleID to create a bundle in the Coordinator.

NOTE:

- This works for creating bundles out of selected episodes of series, i.e., not an entire series. Use the EIDR Edit IDs of those episodes to create an EIDR compilation and use that EIDR as the BundleID. The ALIDs for each episode are included in the bundle.
- See the Appendices at the end of this document for more detailed explanations of how and why to create an UltraViolet bundle, plus a diagram of an ID structure for an UltraViolet bundle that uses an EIDR compilation.

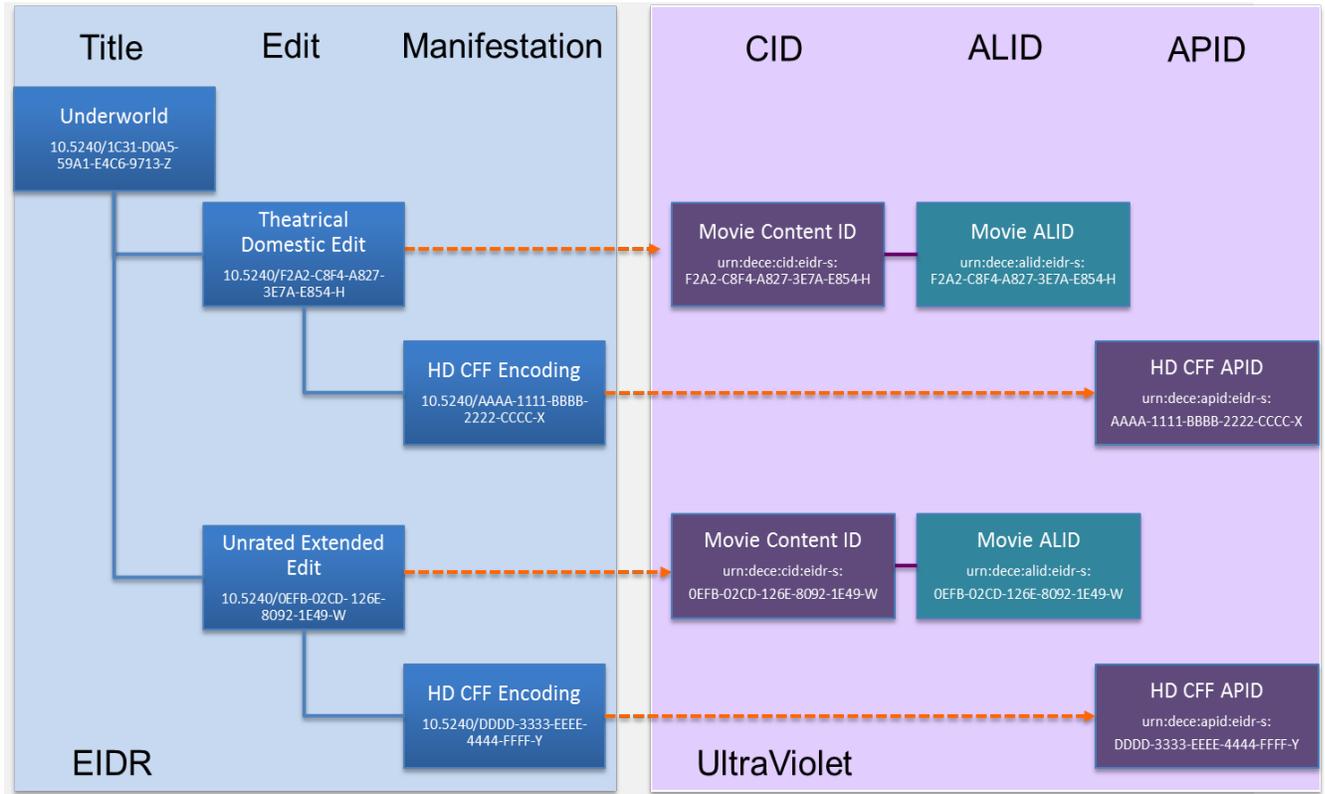
Appendices

Appendix A: Further reading

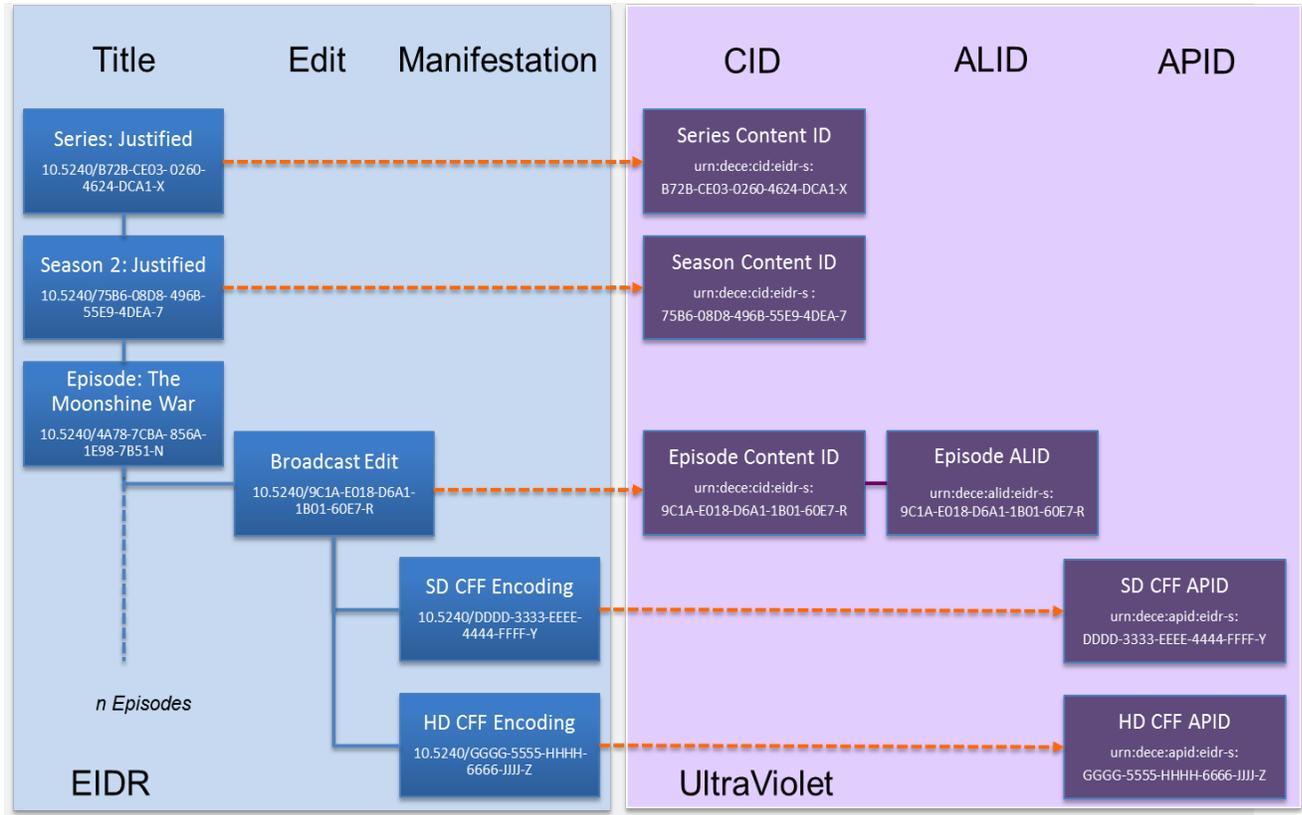
Additional documentation is available on UltraViolet or EIDR wikis and websites, including:

- Identifiers, Content Structure, Metadata & Bundles (Technical Note) - available on the UltraViolet wiki
- [Technical Note on Obtaining an EIDR ID for DECE CFF Container \(DCC\) APID](#)
- [Technical Note on EIDR ID Formats](#)
- [UltraViolet System Specification](#)

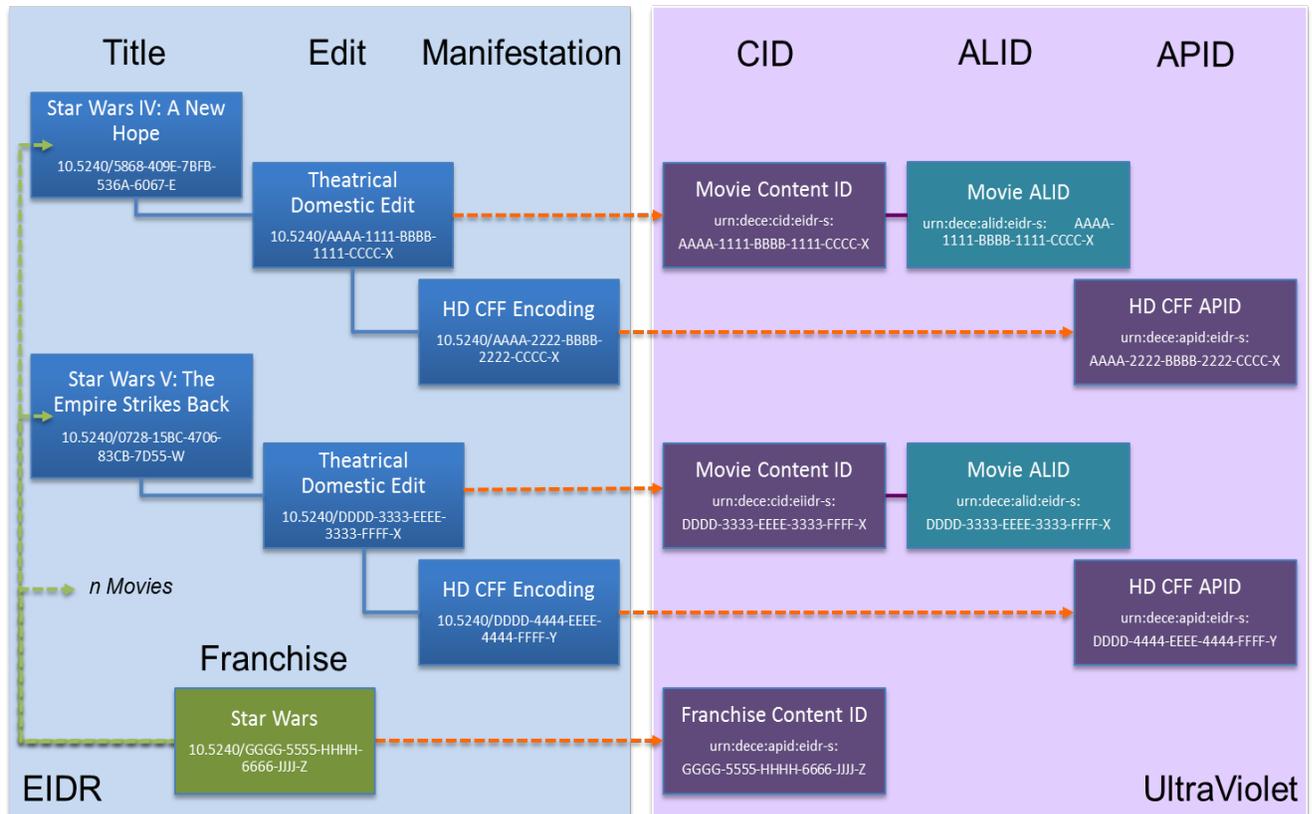
Appendix B – Sample diagram showing EIDR and UltraViolet for a movie



Appendix C – Sample diagram showing EIDR and UltraViolet for episodic content



Appendix D – Sample diagram showing EIDR and UltraViolet for a bundle



- The EIDR compilation (in this example a compilation of movies in a ‘Franchise’) contains the EIDR ID of each of the two edits, in this case 10.5240/AAAA-1111-BBBB-1111-CCCC-X and 10.5240/DDDD-3333-EEEE-3333-FFFF-X.