

# EIDR TIGER TEAM

## EIDR Nomenclature



# Nomenclature Changes

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- Drop all references in EIDR documentation and presentations to Level 1 (L1), Level 2 (L2), Level 3 (L3), and Title Level. Reference StructuralType only as a DOI concept.
- Drop StructuralType from EIDR (generate it for DOI compatibility).
- Add a new RecordType element in BaseObjectData:
  - Collection (for Series, Season, and Compilation)
  - Abstraction (for works in the abstract)
  - Edit (for Edit and Clip, since Clip is just a special class of Edit)
  - Manifestation (Digital and Physical are properties of the Manifestation)
  - Restricted (used only for the Tombstone and Aliased records)
- Add a new required CompilationType (Abstraction, Edit, Manifestation) and ManifestationType (Digital, Physical) to their respective ExtraObjectMetadata.



# Nomenclature Change Considerations

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- Why?
  - Disney, NBCU, and Warner Bros. raised concerns over confusion among EIDR's industry partners (e.g., Common Metadata, DPP, EMA, and IMF).
  - Simplifying/clarifying EIDR terminology will help with industry outreach and streamline new Member onboarding.
- When?
  - Documentation can be changed immediately (synchronized with 2.2 release, if any)
  - Schema changes would either be in EIDR 2.2 (4-7 months) or 3.0 (2 years)
- Impact if EIDR 2.2
  - Existing integrations will not be affected – new users/integrations will use new 2.2 materials
  - Costs for EIDR to update Registry, De-Dupe, SDKs, Tools, Web UI, and compatibility mode
- Impact if EIDR 3.0
  - Costs absorbed into 3.0
  - Avoid the immediate need for a 2.2 release
  - Confusion in the interim as we maintain two nomenclature sets (documentation vs. schema)

# Implementing Nomenclature Changes

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- The Tiger Team recommends adoption of the proposed nomenclature changes and deferred implementation of the schema updates as part of EIDR 3.0.
- Upon TBWG Approval:
  - Documentation updates will begin immediately, starting with our promotional/outreach materials
  - A call will go out to the Promoters to approve the schema changes
- Upon Promoter Approval:
  - We will develop budget and schedule estimates for executive approval

EIDR Nomenclature Tiger Team

# **BACKGROUND MATERIALS**

# Why are we here?

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- Disney, NBCU, and Warner Bros. raised concerns over certain EIDR terms and how they were being used by industry partners (e.g., DEG, EMA).
- Warner Bros. brought the issue to the monthly TWG, where we decided to convene a Tiger Team to discuss the issue and find solutions.
- You are that Tiger Team.



# The Fractured State of EIDR Terminology

Current EIDR Nomenclature				DOI	DEG/EMA	EIDR Member Proposal
Structural Type	Referent Type	Extra Object Metadata	Informal Terms	Structural Type		
Abstraction	Movie, TV, Series, Season, Web, Short, Supplemental, Compilation, <i>Interactive, Footage, Radio</i>	Series, Season, Episode, Interactive, Footage, Compilation	Level 1 (L1) Title	Abstraction	Level 1, L1, EIDR Level 1, IP Title, Title EIDR, Title Level EIDR, Abstraction	Abstract
Performance	Movie, TV, Web, Short, Supplemental, Compilation, <i>Interactive, Footage, Radio</i>	Edit, Clip, Compilation	Level 2 (L2)	Performance	Level 2, L2, EIDR Level 2, EIDR L2, Cut, Version, Performance, Edited Version	Edit
Digital, Film, Tape	Movie, TV, Web, Short, Supplemental, Compilation, <i>Interactive, Footage, Radio</i>	Manifestation, Compilation	Level 3 (L3) Encoding	Digital, Physical	Level 3, L3, EIDR Level 3, EIDR L3, Encode	Manifestation

# A Modest Proposal

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- Drop Structural Type from EIDR (generate it for DOI compatibility)
- Add new Record Type element in Base Object Data:
  - Collection (for Series, Season, and Compilation)
  - Abstraction (for works in the abstract)
  - Edit (for Edit and Clip, since Clip is just a special class of Edit)
  - Manifestation (Digital and Physical are properties of the Manifestation)

## NOTES:

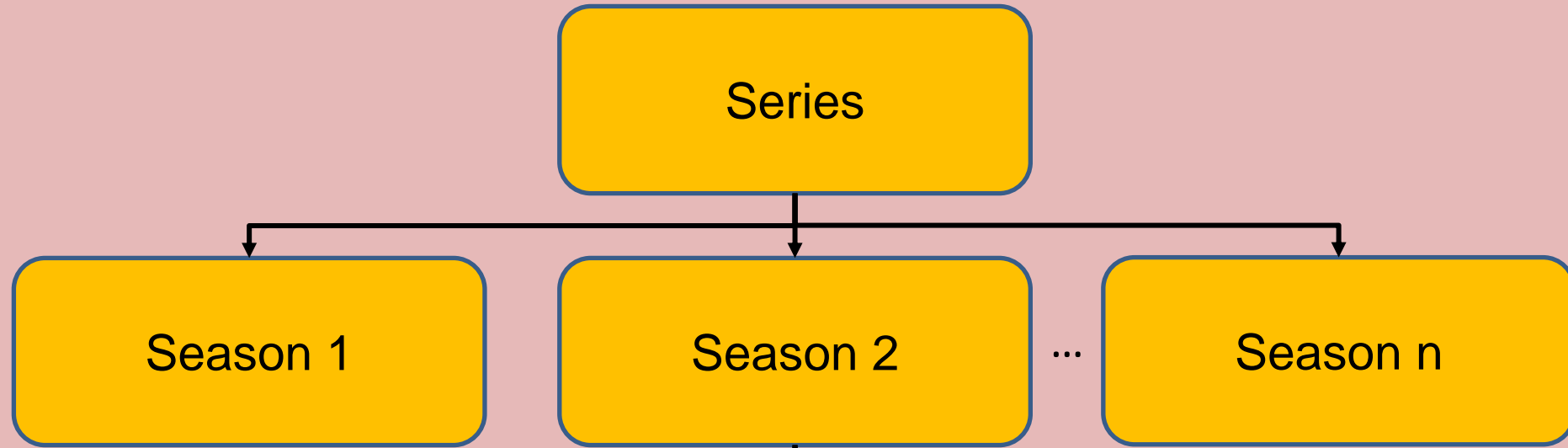
- Referent Type describes the fundamental nature of the primary work (the “referent”)
- Digital/Physical are also DOI terms



# Television Series example



Collection EIDR



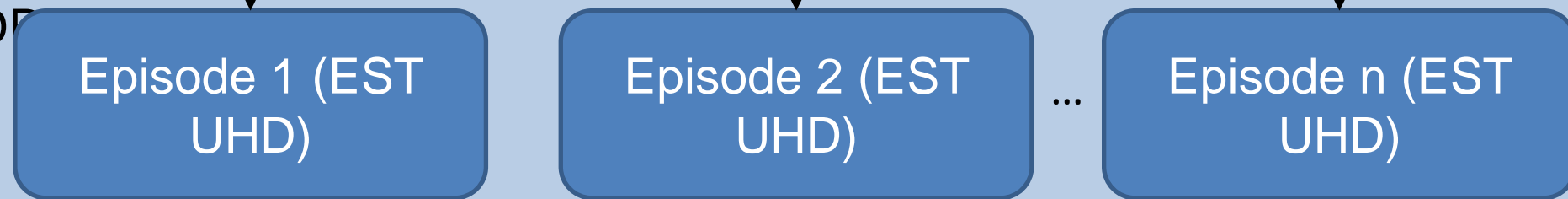
Abstraction EIDR



Edit EIDR



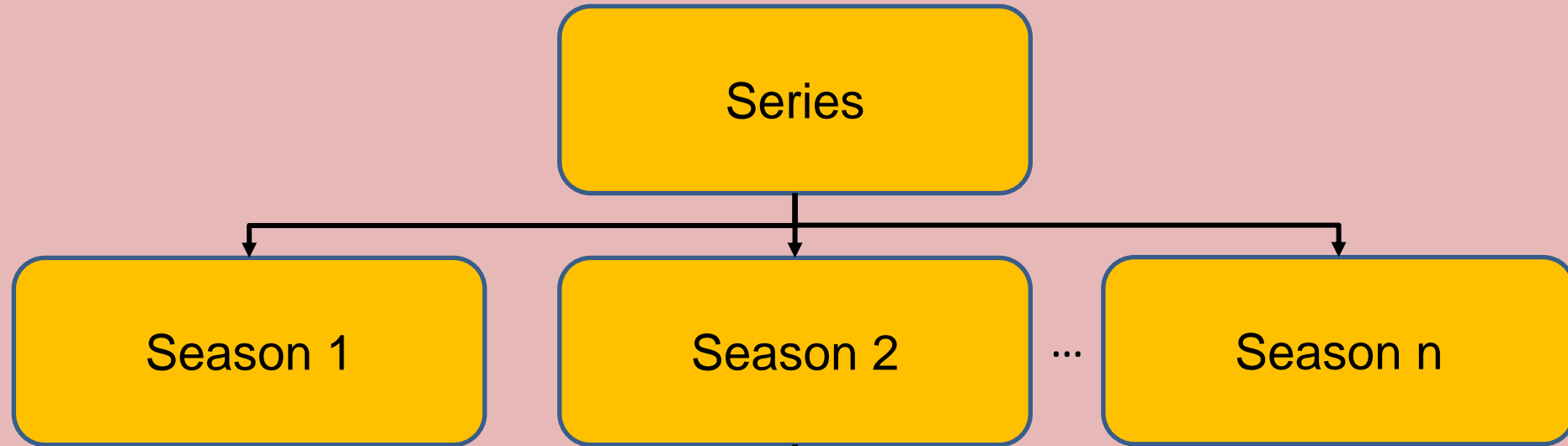
Manifestation EIDR



# Television Composite Episode example



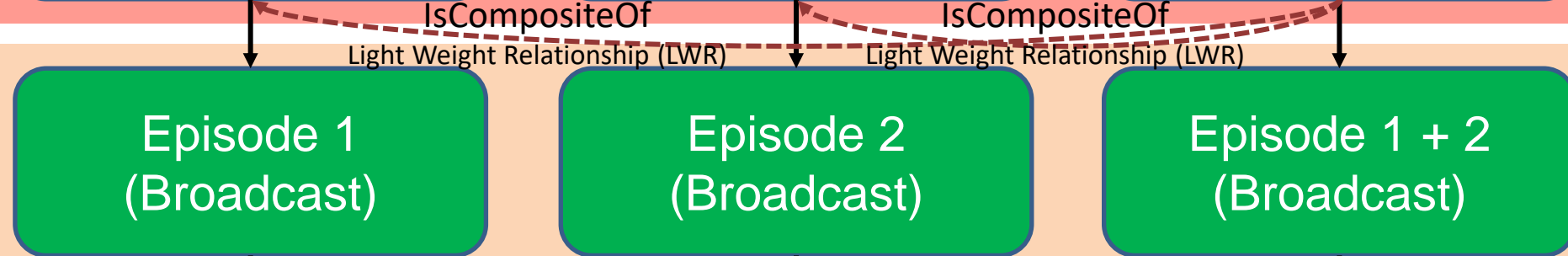
Collection EIDR



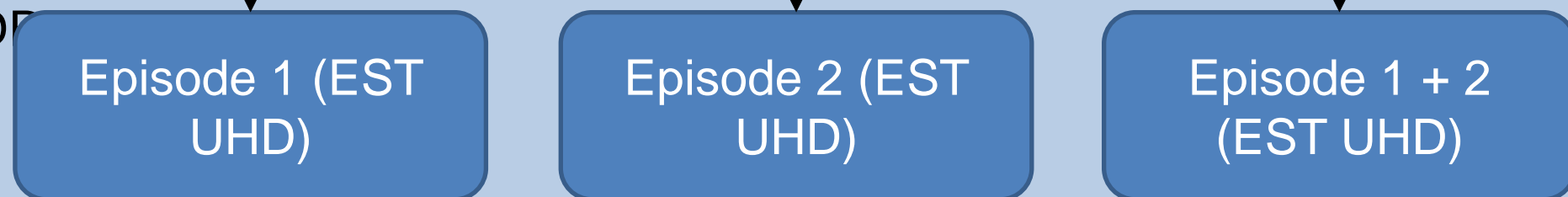
Abstraction EIDR



Edit EIDR



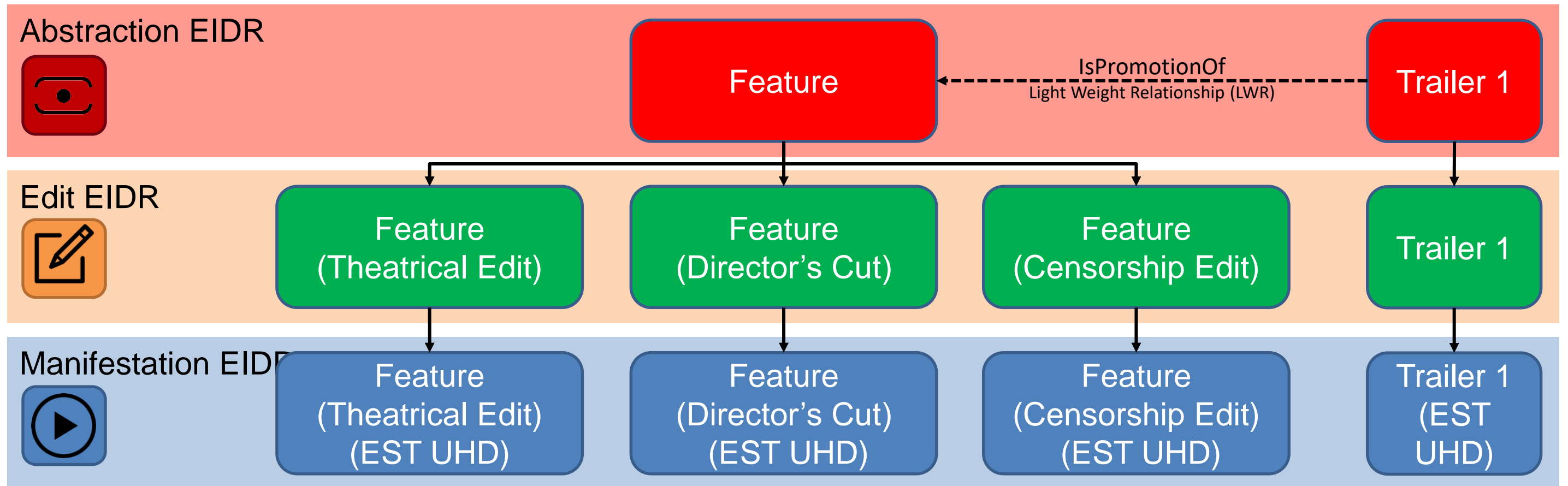
Manifestation EIDR





EIDR

# Feature with Multiple Versions with Trailer example



# Feature Collection example



Collection EIDR



Best of Actor  
Collection

Abstraction EIDR



Feature 1

Feature 2

Edit EIDR



Feature 1  
Theatrical Version

Feature 2  
Theatrical Version

Manifestation EIDR



Feature 2 (EST  
UHD)

Feature 2 (EST  
UHD)

# And now, a word about Collections

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- “Collections” is a new term of art for EIDR, but not a new concept.
- Previously, “Abstractions” included abstract work IDs and additional things that were something else: Series, Seasons, and Compilations.
  - These aren’t things that can be viewed (they are not audiovisual works).
  - They contain things that can be viewed (episodes, edits, etc.).
- Other terms could have been used (bundles, containers, groups, etc.), but those terms are overloaded with too many other meanings.
- The underlying EIDR architecture remains unchanged, we’ve just cleaned up our terminology so:
  - Abstractions are now only abstract work IDs
  - Collections are abstract objects that represent collections of other items

# A Case for Manifestation

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FIAF (International Federation of Film Archives) uses a 4-level metadata structure in keeping with CEN (European Committee for Standardisation) European standards for the description of Cinematographic works (EN15907):

- Work – EIDR Abstraction
- Variant – EIDR Edit
- Manifestation – EIDR Manifestation
- Item – Physical Product (not tracked in EIDR)

# EIDR Documentation Practices

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- We drop all references (text and diagrams) to Level 1 (L1), Level 2 (L2), Level 3 (L3), Title Level, and the Structural Types.
- In their place, we talk about the hierarchy of [Collection,] Abstraction, Edit, and Manifestation.
- **NOTES:**
  - Certain contexts may ignore Collection and just focus on Abstraction, Edit, and Manifestation

# Compilations & Manifestations

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- They may be used differently based on their contents
  - Compilations can contain Abstractions, Edits, or Manifestations
  - Manifestations can contain Digital or Physical Tracks and Track Containers
  - The business rules that apply may vary depending on these contents
- This is an issue for “empty” or “generic” records
  - A “Has Other Inclusions” Compilation with no Entry inventory
  - A “Generic” Manifestation with no Track or Track Container details
- Add a new required “Type” in the respective Extra Object Metadata
  - Compilation Type: Abstraction, Edit, Manifestation (which must match any Entries)
  - Manifestation Type: Digital or Physical (which must match any Tracks/Containers)



# Record Type Default Values

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- Record Type is set by the Registry (ignored if supplied by the user) :
  - Edit for records with EditInfo or ClipInfo
  - Manifestation for records with ManifestationInfo
  - Collection for records with SeriesInfo, SeasonInfo, or CompilationInfo
  - Abstraction for all other records
- For 2.x data conversion, process in order:
  - IF EditInfo exists OR ClipInfo exists THEN Record Type = Edit
  - ELSE IF Referent Type is Series/Season/Compilation THEN Record Type = Container
  - ELSE IF ManifestationInfo exists Record Type = Manifestation and Manifestation Type = Digital
  - ELSE Record Type = Abstraction

# DOI Kernel Resolution

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- EDIR Record Type converts to DOI Structural Type as:
  - Abstraction = Abstraction
  - Container = Abstraction
  - Edit = Performance
  - Manifestation = Manifestation Type (Digital / Physical)

# Additional Registry Validation Rules

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- Record Type is schema-optional; but required by business rules
- Record with EditInfo, Parent's Record Type = Abstraction or Edit
- Record with ClipInfo, Parent's Record Type = Edit
- Record with ManifestationInfo, Parent's Record Type = Edit, Manifestation; or Parent's Compilation Class = Edit/Manifestation
- Compilation Entries' Record Type = Compilation's Compilation Type
- Composite Elements' Record Type = Abstraction or Edit



# Feedback from Industry Partners

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- We reviewed the potential impact of the proposed changes on:
  - EMA Avails (1.7.2 XLS, 2.2 XML)
  - Common Metadata (EMA/DEG MEC and MMC)
  - IMF
  - DPP
- In summary, these groups are accepting of our proposals short of changing “Manifestation”