Avails and Title List Defaults

CONTENTS

REVISION HISTORY

Version	Date	Description
1.0		Original Version

1 INTRODUCTION

Avails and Title List Defaults defines default values for Avails and Title List (AKA "EMA Avails"). The function of Defaults is to allow an encoding of default values that exist in agreements other than the Avail or Title List, particularly a contract. This is an essential component to fully automating the licensing process. For example, if an agreement specifies the default allowed languages for a given territory, Avails and Title List Defaults can capture that information.

Use of this specification allows partners to avoid relying on manual entry of date from agreements, with the associated interpretation and mistyping implications.

Avails and Title List Defaults builds upon Avails, Media Entertainment Core (MEC) Metadata, and Common Metadata. These and other related documents can be found at www.movielabs.com/md.

Defaults are a simple rule-based system that work as follows: IF an Avail or Title List entry matches *Scope*, THEN apply *Defaults* to fields where values have not been specified. *Scope* can include attributes such as territory, license type, license rights description, format profile and other terms. Defaults can include Allowed and delivered languages (including subs and dubs), and various terms (e.g., pricing).

1.1 Document Organization

This document is organized as follows:

1. Introduction—Provides background, scope and conventions
2. Avails Defaults—The definition of Avails and Title List default data.

1.2 Document Notation and Conventions

1.2.1 XML Conventions

XML is used extensively in this document to describe data. It does not necessarily imply that actual data exchanged will be in XML. For example, JSON may be used equivalently.

This document uses tables to define XML structure. These tables may combine multiple elements and attributes in a single table. Although this does not align with schema structure, it is much more readable and hence easier to review and to implement.

Although the tables are less exact than XSD, the tables should not conflict with the schema. Such contradictions should be noted as errors and corrected.

1.2.1.1 Naming Conventions

This section describes naming conventions for Common Metadata XML attributes, element and other named entities. The conventions are as follows:

- Names use initial caps, as in InitialCaps.

- Elements begin with a capital letter, as in InitialCapitalElement.
- Attributes begin with a lowercase letter, as in initiaLowercaseAttribute.
- XML structures are formatted as Courier New, such as `md:rightstoken`
- Names of both simple and complex types are followed with "-type"

1.2.1.2 Structure of Element Table

Each section begins with an information introduction. For example, "The Bin Element describes the unique case information assigned to the notice."

This is followed by a table with the following structure.

The headings are

- Element—the name of the element or type
- Attribute—the name of the attribute
- Definition—a descriptive definition. The definition may define conditions of usage or other constraints
- Value—the format of the attribute or element. Value may be an XML type (e.g., "string") or a reference to another element description (e.g., "See Bar Element"). Annotations for limits or enumerations may be included (e.g.," int [0..100]" to indicate an XML xs:int type with an accepted range from 1 to 100 inclusively).
- Card—cardinality of the element. If blank, then it is 1. Other typical values are 0..1 (optional), 1..n and 0..n.

The first row of the table after the header is the element being defined. This is immediately followed by attributes of this element, if any. Subsequent rows are child elements and their attributes. All child elements (i.e., those that are direct descendents) are included in the table. Simple child elements may be fully defined here (e.g., "Title", " ", "Title of work", "xs:string"), or described fully elsewhere ("POC", " ", "Person to contact in case there is a problem", "md:ContactInfo-type"). In this example, if POC was to be defined by a complex type defined as md:ContactInfo-type. Attributes immediately follow the containing element.

Accompanying the table is as much normative explanation as appropriate to fully define the element, and potentially examples for clarity. Examples and other informative descriptive text may follow. XML examples are included toward the end of the document and the referenced web sites.

1.2.2 General Notes

All required elements and attributes must be included.

When enumerations are provided in the form 'enumeration', the quotation marks ('') should not be included.

1.3 Normative References

[Avails] TR-META-CM Avails and Title List, version 2.4, http://www.movielabs.com/md/avails

[CM] TR-META-CM MovieLabs Common Metadata, version 2.7, http://www.movielabs.com/md/md

[CR] TR-META-CM, MovieLabs Common Metadata Ratings, most current version, http://www.movielabs.com/md/ratings

[Manifest] TR-META-MMM, MovieLabs Common Media Manifest Metadata, version 1.8. http://www.movielabs.com/md/manifest

[MEC] Media Entertainment Core Metadata, version 2.7, http://www.movielabs.com/md/mec

[XML] "XML Schema Part 1: Structures", Henry S. Thompson, David Beech, Murray Maloney, Noah Mendelsohn, W3C Recommendation 28 October 2004, http://www.w3.org/TR/xmlschema-1/ and "XML Schema Part 2: Datatypes", Paul Biron and Ashok Malhotra, W3C Recommendation 28 October 2004, http://www.w3.org/TR/xmlschema-2/

1.4 Informative References

[BP-Identifiers] Best Practice for Constructing Identifiers, http://www.movielabs.com/md/practices/#id

1.5 XML Namespaces

This document refers to the following XML namespaces:

- md: Common Metadata corresponding with Common Metadata.
- mdmec: Media Entertainment Core Metadata. Note that mdmec: references md: schemas
- avails: includes Avails data. Note that avails: references md: and mdmec: schemas
- availsd: Avails and TitleList Defaults

1.6 Identifiers

Identifiers must be universally unique. Recommended identifier schemes may be found in Common Metadata [CM] and in Best Practice for Constructing Identifiers [BP-Identifiers].

1.7 Status

This specification is completed and ready for pilot implementation. Although tested, we anticipate that additional implementation experience will yield recommendation for changes. Implementers should anticipate one or more revisions. Reasonable measures will be taken to ensure changes are backwards compatible.

2 AVAILS DEFAULTS

The AvailDefault element defines default values for selected fields in EMA Avails and Title List. The term "Avails" applies to both Avails and (SVOD) Title Lists.

Data is organized by territory. Within a territory, the Scope defines to which Avails the defaults should be applied. Scope is a set of fields within the Avail. The process is to match these fields, then apply the default values. For example, if Scope defines a LicenseType of "Episode" then the values in DefaultValues (e.g., languages) are applied to all Episode Avails within the territory.

Each entry in Scope and Default Values corresponds with a field in EMA Avails, but XML and Excel values. Names correspond with XML Avails, but mapping can be found in the Data Dictionary of Excel Avails.

2.1 AvailsDefaults-type

AvailDefaults-type is the definition of the AvailsDefault element.

Element	Attribute	Definition	Value	Card.
AvailDefaults-type				
	udpateNum, workflow, updateDeliveryType, versionDescription	Common set of workflow attributes (defined in Common Metadata)	md:Workflow-attr	
Compatibility		Spec compatibility	manifest:Compatibility-type	
Source		Source of this Avail Defaults object	delivery:DeliverySource-type	
Retailer		Retailer for whom the defaults apply	md:OrgName-type	0..1
TerritoryDefaults		Avail Defaults for one or more territories	delivery:AvailsDefaultTerritory-type	1..n
Instructions		Handling instructions. Includes exception flag.	delivery:Instructions-type	0..1

2.2 AvailDefaultTerritory-type

AvailDefaultTerritory-type defines one or more territories and the defaults that apply to that/those territory/territories.

Element	Attribute	Definition	Value	Card.
AvailDefaultTerritory-type				
	AvailDefaultID	Identifier for this set of defaults	xs:string	0..1
Region		Region and Excluded Region define the territories where rules apply. They are encoded in accordance with Media Manifest [Manifest] Region and ExcludedRegion. If absent, rules apply to all territories not covered by other TerritoryDefault instances.	md:Region-type	(choice) 1..n
ExcludedRegion			md:Region-type	
Scope		Beyond territory, which fields are matched to define the scope of the rules	delivery:AvailDefaultScope-type	0..n
DefaultValues		Default Values to be applied	delivery:AvailDefaultRules-type	1..n
Terms		Additional terms that apply to these defaults	delivery:DeliveryTerms-type	0..n

2.2.1 AvailScope-type

Scope consists of terms to match to determine which Avails are candidates for default values. Each value corresponds with a field in [Avails]. If all fields in Scope match an Avail, the defaults (DefaultValues) apply.

Element	Attribute	Definition	Value	Card.
AvailDefaultScope-type				
ContractID		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
LicenseType		In accordance with definition in Section **Error! Reference source not found.**	xs:string	1..n

LicenseRightsDescription		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..n
FormatProfile		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..n
	HDR	In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
	WCG	In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
	HFR	In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
	NGAudio	In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
ExperienceCondition		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
Term		In accordance with definition in Section **Error! Reference source not found.**	delivery:DeliveryTerms-type	0..n

2.2.2 AvailDefaultValues-type

Default values are values to be applied to specific Avail fields when no values are provided in the Avail.

Element	Attribute	Definition	Value	Card.
AvailDefaultScope-type				
AllowedLangauge		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..n

AssetLanguage		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..n
Term		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..n
ExperienceCondition		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1
OtherInstructions		In accordance with definition in Section **Error! Reference source not found.**	xs:string	0..1