MARC to BIBFRAME Conversion Guide

Print

Summary

Guide regarding MARC to BIBFRAME conversion in relation to Vega Discover. This document is intended to be a high-level overview of MARC to BIBFRAME concepts with additional documentation to follow.

Question

Where can I find a list of MARC fields used by Vega Discover and their conversion into BIBFRAME?

Answer

Table of Contents

- Starting Resources:
- BIBFRAME Class: Work
- BIBFRAME Class: Instance
- BIBFRAME Class: Item
- BIBFRAME Concept: Agents
- BIBFRAME Concept: Concepts

Starting Resources:

MARC Bibliographic Standards (http://www.loc.gov/marc/bibliographic/)

BIBFRAME Conversion Specifications (https://www.loc.gov/bibframe/mtbf/)

BIBFRAME Class: Work

BIBFRAME concepts	MARC	Notes

type	Populated by the LDR(06) value, but possible to override based on one of the following 007 values: • Globe: 007(00) • Maps: 007(00) • Motion Picture: 007(00) • Nonprojected Graphic: 007(00) • Projected Graphic: 007(00) • Sound Recording: 007(00) For example, a LDR(06) = a creates a work.type = text. If the same record contains an 007(00) = a (Map), that will change the work.type = Cartography. See BF conversion specs for full details.	Distinguishes between a defined list of work types (text, audio, moving image, etc.).
aspectRatio	Populated from the following MARC tags: • Motion Picture: 007(04)	
classification	Populated from the following MARC tags: • 050 • 055 • 060 • 070 • 082	Classifications are assigned a type value (e.g. classificationLcc), to distinguish between the different classification schemas. See conversion specs for more details.
colorContent	Populated from the following MARC tags: • Electronic Resource: 007(03) • Globe: 007(03) • Maps: 007(03) • Microform: 007(09) • Motion Picture: 007(03) • Nonprojected Graphic: 007(03) • Projected Graphic: 007(03) • Videorecording: 007(03)	
creditsNote	Populated by the 508 $a	
dissertation	Populated by the 502 $abcdgo	
duration	Populated from the following MARC tags: • Visual Materials: 008(18-20)	

genreForm	Populated from the following MARC tags: • Books: 008(24-30) • Books: 008(33-34) • Continuing Resources: 008(24-29) • Globe: 007(01) • Maps: 007(01) • Maps: 008(28) • Maps: 008(33-34) • Motion Picture: 007(09) • Music: 008(18-19) • Music: 008(30-31) • Nonprojected Graphic: 007(01) • Visual Materials: 008(28) • Visual Materials: 008(33) • 130 • 240 • 655	
intendedAudience	Populated from the following MARC tags: • Books: 008(22) • Computer files: 008(22) • Music: 008(22) • Visual Materials: 008(22)	
language	Populated from the following MARC tags: • 008(35-37) • 041 • 546 $a	The system supports storage of all language values that exist in the incoming MARC record. The language codes pulled from 041 will have a part assigned, because each MARC subfield represents a different type of translation (e.g. summary, spoken text, table of contents, subtitles).
legalDate	Populated by uniform titles (130, 240)	
marcLeaderKey	Populated by the LDR(06)	Non-standard BF field used to track the original MARC LDR(06) value to distinguish between musical and non-musical sound recordings.
musicFormat	Populated by Music: 008(20)	
musicKey	Populated by uniform titles (130, 240)	

musicMedium	Populated by uniform titles (130, 240)	
natureOfContents	Populated by uniform titles (130, 240)	
notation	Populated from the following MARC tags: • Continuing Resources: 008(33) • 546 $b	
note		
originDate	Populated by uniform titles (130, 240)	
supplementaryContent	Populated from the following MARC tags: • Music: 008(24-29)	
summary	Summary label is a concatenation of 520 $ab with a space between subfields. The summary source is populated by the 520 $c and $u.	Summary information about the resource. For example, the book jacket description on a book.
title	Populated from the following MARC tags: • 130 • 240 • 243 • 245	Titles are assigned a type based on the MARC tag (e.g. 243= collective title). Title fields (e.g. mainTitle, subTitle, part) are populated according ot the BF specifications.
tableOfContents	Concatenation of the 505 $agrt with a space between subfields	
version	Populated by uniform titles (130, 240)	

BIBFRAME Class: Instance

BIBFRAME concepts	MARC	Notes

type	The instance type can be populated by the following MARC tags: • LDR (06-08) • Electronic Resource: 007(00) • BOOKS 008(23) = s or q There can only be one instance type, so in the event of multiple there is business logic to determine which is the "winner." See the BF conversion specifications for the tags above for more information.	Distinguishes between a defined list of instance types (print, electronic, manuscript, etc.). ONE Example - An instance would be classified as type = electronic if one of the following conditions is true: • LDR (06) = m, indicating a computer file • 007 (00) = c, indicating a computer file or electronic resource Other conditions can also impact type.
awards	Populated by 586 $a	
baseMaterial	Populated from the following MARC tags: • Globe: 007(04) • Maps: 007(04) • Microform: 007(12) • Motion Picture: 007(12) • Nonprojected Graphic: 007(04) • Projected Graphic: 007(04) • Sound Recording: 007(10)	
carrier	Populated from the following MARC tags: • Books: 008(23) • Computer files: 008(23) • Continuing Resources: 008(23) • Electronic Resource: 007(01) • Maps: 008(29) • Microform: 007(01) • Mixed Materials: 008(23) • Motion Picture: 007(01) • Music: 008(23) • Projected Graphic: 007(01) • Sound Recording: 007(01) • Visual Materials: 008(29)	

cartographicAttributes	Populated from the following MARC tags: • Maps: 008(18-21)	
classification	Populated from the following MARC tags: • 086	Classifications are assigned a type value (e.g. classificationLcc), to distinguish between the different classification schemas. See conversion specs for more details.
copyrightDate	Populated by $264 when second indicator = 4	
digitalCharacteristic	Populated from the following MARC tags: • Electronic Resource: 007(06-08)	
dimensions	Populated from the following MARC tags: • Electronic Resource: 007(04) • Projected Graphic: 007(07) • Microform: 007(04) • Motion Picture: 007(07) • Sound Recording: 007(06-07) • Videorecording: 007(07) • 300 $c	
duration	Populated by the 306 $a	
editionStatement	Populated by the 250 $ab	Provides edition information about the instance (e.g. Illustrated edition or 2nd edition)
electronicLocator	Populated by MARC 856 when second indicator is 0, 1 or 8. 856 $uyz are stored.	
emulsion	Populated from the following MARC tags: • Microform: 007(10)	
extent	Populated from the following MARC tags: • 300 $afg	
fontSize	Populated from the following MARC tags: • Books: 008(23)	

frequency	Populated from the following MARC tags: • Continuing Resources: 008(18-19) • 310 $ab • 321 $ab	
generation	Populated from the following MARC tags: • Globe: 007(05) • Maps: 007(05) • Microform: 007(11) • Motion Picture: 007(11) • Sound Recording: 007(09)	
genreForm	Populated from the following MARC tags: • Computer files: 008(26) • Computer files: 008(28) • Maps: 008(25) • Continuing Resources: 008(21) •	

hasSeries	Populated by the 490 $avx and 830 $anpvx	A series statement is created from the 490 $av. The series enumeration, identifier, uniform title and other values are populated according to the BF conversion specification.
		
		Series information from the 490 and 830 MARC tags is stored in a `hasSeries` object on the Instance. The hasSeries object is only created if there is a 490$a in the record (no series info is stored if there is only an 830).
		
		If there is only a 490 tag (no 830 tag) in the ingested MARC record, the hasSeries object contains:
		• label (490$a)
		• seriesEnumeration (490$v)
		• seriesStatement (490$a+$v)
		• identifiedBy.value (490$x) (type=issn)
		
		If a corresponding 830 is present (paired to the 490 by order in file), the hasSeries object contains:
		• label (490$a)
		• seriesEnumeration (830$v, if present, else 490$v)
		• seriesStatement (490$a+$v)
		• identifiedBy.value (830$x, if present, else 490$x) (type=issn)
		• instanceOf.title
		  ◦ type = title
		  ◦ mainTitle (830$a)
		  ◦ partName (830$p)
		  ◦ partNumber (830$n)
		  ◦ label (830$adfgklmnoprs, concatenated with spaces)
		  ◦ marcKey (entire 830 tag contents)

identifiedBy	Assigned a "type" value to help distinguish between identifiers. Populated by the following MARC tags: • 010, type = LCCN • 015 • 017 • 020, type = ISBN • 024 • 025 • 026 • 027 • 028 • 030 • 032 • 035 • 074 • 260 $d, type = publisher number	Assigns a type to each identifier so they are distinguishable (e.g. 020 = type isbn). See conversion specs for more details.
illustrativeContent	Populated from the following MARC tags: • Books: 008(18-21)	
intendedAudience	Populated by the 521 tag. The intendedAudience.label is populated by the $a. The intendedAudience.source is populated by the $b. And the intendedAudience.note is populated based on the first indicator value, which indicates reading grade level, interest age level or interest grade level.	
issuance	Populated by the following MARC tags: • LDR (07) • Maps: 008(25)	
materialType	Populated by 998 $d	ILS assigned material type
media	Populated from the following MARC tags: • Electronic Resource: 007(00) • Microform: 007(00)	

mount	Populated from the following MARC tags: • Nonprojected Graphic: 007(05) • Projected Graphic: 007(08)	
note	Assigned a "type" value to help distinguish between notes. Populated by the following MARC tags: • Continuing Resources: 008(22), type = form of original item • Motion Picture: 007(16-22) • Visual Materials: 008(34), type = technique • 254 $a, type = musical presentation • 256 $a, type = computer file characteristics • 300 $b, type = physical details • 300 $e, type = accompanying materials • 500 $a, type = note (general) • 501 $a, type = with	The system supports storage of all note tags listed. Repeatable tags will result in multiple notes (e.g. one note for each XXX tag).
polarity	Populated from the following MARC tags: • Maps: 007(07) • Microform: 007(03) • Motion Picture: 007(10)	
productionMethod	Populated from the following MARC tags: • Maps: 007(06)	
projection	Populated from the following MARC tags: • Maps: 008(22-23)	
projectionCharacteristic	Populated from the following MARC tags: • Motion Picture: 007(04)	

provisionActivity	Populated by both the 008 publication date, as well as the 257, 260, 261, 262, 264 tags. The 008(06) indicates the type of date provided and dicates the provisionActivity.type value. For example, an 008(06) = s creates a type = publication. An 008(06) = p creates a type = distribution. The 008(07-10) and 008(11-14) are used to populate the provisionActivity.date value. And the 008 (15-17) is used to populate the provisionActivity.place. See the BF conversion specs for the full details. The 257 $a populates a provisionActivity.place value. The 260 $abc will populate a type = publication, with a provisionActivity.place, provisionActivity.agent and provisionActivity.date respectively. The 260 $efg will populate a type = manufacture with a provisionActivity.place, provisionActivity.agent and provisionActivity.date respectively. The 261 $abdf will populate a type = publication, with a provisionActivity.agent (ab), provisionActivity.date (d) and provisionActivity.place (f). The 261 $e will populate a type = manufacture with a provisionActivity.agent. The 262 $abc will populate a type = publication, with a provisionActivity.agent (b), provisionActivity.date (c) and provisionActivity.place (a).	Provides publication, manufacture and distribution details. The system supports storage of all provision activity data included in the record. When it comes to publication date information displayed in Vega Discovery, priority is given to dates populated by the 008 fixed fields.

	The 264 $abc will populate a provisionActivity.place (a), provisionActivity.agent (b) and provisionActivity.date (c). The type of provisionActivity is dictated by the second indicator in the MARC tag (see BF specs).	
provisionActivityStatement	Concatenation of the following MARC tags and subfields, separated by a space: • 260 $abc • 261 $fabd • 262 $abc • 264 $abc Semicolons may be added between subfields if no punctuation exists in the MARC data.	Provides publication details.
recordID	Populated by 907 $a	ILS bibliographic record ID
reductionRatio	Populated from the following MARC tags: • Microform: 007(06-08)	
responsibilityStatement	Populated by 245 $c	
soundCharacteristic	Populated from the following MARC tags: • Motion Picture: 007(06) • Motion Picture: 007(08) • Projected Graphic: 007(06) • Sound Recording: 007(03-05) • Sound Recording: 007(08) • Sound Recording: 007(11-12) • Videorecording: 007(06) • Videorecording: 007(08)	
soundContent	Populated from the following MARC tags: • Electronic Resource: 007(05) • Motion Picture: 007(05) • Projected Graphic: 007(05) • Videorecording: 007(05)	

supplementaryContent	Populated from the following MARC tags: • Books: 008(31) • Maps: 008(31) • 856 $uyz when second indicator = 2	
tableOfContents	Concatenation of the 505 $agrt with a space between subfields	
title	Populated from the following MARC tags: • 210 • 222 • 242 • 245 • 246 • 247	Titles are assigned a type based on the MARC tag (e.g. 222= key title). Title fields (e.g. mainTitle, subTitle, part) are populated according ot the BF specifications.
usageAndAccessPolicy	Populated from the following MARC tags: • Concatenation of the 506 $abcdef, with a space between subfields. Also populated by the 506 $u. • 540 $a or $u. 540 $c used to populate the source.	
videoCharacteristic	Populated from the following MARC tags: • Videorecording: 007(04)	

BIBFRAME Class: Item

BIBFRAME concepts	MARC	Notes
recordID	852 $d	ILS item record ID
dueDate	852 $w	ILS item due date (when applicable)
identifiedBy	852 $mn = shelfMark (call number) 852 $g = barcode	ILS item call number and barcode
enumerationAndChronology	852 $h	ILS item volume information
physicalLocation	852 $c	ILS location code
status	852 $e	ILS circulation status

BIBFRAME Concept: Agents

BIBFRAME concepts	MARC	Notes
type	Determined by the MARC tag and first indicator • Person = 100, 600, 700 • Organization = 110, 610, 710 • Meeting = 111, 611, 711 • Family Name = 100, 600, 700 (when first indicator = 3) • Jurisdiction = 110, 610, 710 (when first indicator = 1	
identifiedBy	Populated by the presence of a $0 or $1 in the agent heading tag (only the tags listed above are considered).	Identifier for the concept string. Assigned a type to indicate the type of identifier stored. For example, type = lccn, value = n88607390
label	Concatenation of the following subfields, separated by a space as outlined in the BF conversion specifications. • X00 $abcdjq • X10 $abcdng • X11 $acdengq The relationship of an agent to a work is defined using the role information in the following subfields: • X00 $4 or $e • X10 $4 or $e • X11 $4 or $j	The authority heading string that displays to the patrons in Vega. For relationships, priority is currently given to the $4 (relator code), so the UI can better support translation of the relationships string. 505 tags also checked for matches to existing agents.
source	Determined by the $2 in the MARC heading tag. In the case of a 6XX agent, the second indicator is also considered (same as concepts).	The source of the authority heading string.

BIBFRAME Concept: Concepts

BIBFRAME concepts	MARC	Notes

type	Determined by the MARC tag and first indicator • Topic = 650, 656 • Temporal = 648 • Place = 651, 662 • Title = 630 653 subject tags are assigned a type based on the second indicator. See BF conversion specs.	Describes the type of concept being referenced.
identifiedBy	Populated by the presence of a $0 or $1 in the subject heading tag (only the tags listed above are considered).	Identifier for the concept string. Assigned a type to indicate the type of identifier stored. For example, type = lccn, value = sh85021262
label	Concatenation of the following subfields, separated by a space or "–" as outlined in the BF conversion specifications. • 648 $avxyz • 650 $abcdvxyz • 651 $abvxyz • 653 $a • 656 $akvxyz • 662 $abcdfgh • 630 $adnpvxyz	The authority heading string that displays to the patrons in Vega.
source	Determined by the second indicator in the MARC subject tag or the $2. Per MARC standard, the $2 is checked when the second indicator says to do so.	The source of the authority heading string.

Solution Properties

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Taxonomy

› Solutions > Discovery

Collections

› Vega

Views
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