



## Demystifying MARC in Sierra

*A tale in 5 questions*

Martha Rice Sanders

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### Who am I?

- Librarian with 40 years experience
- 24 years working in an Innovative system
- 7 years working for Innovative
  - currently as Customer Success Manager
- IUG Crystal Award winner in 2015

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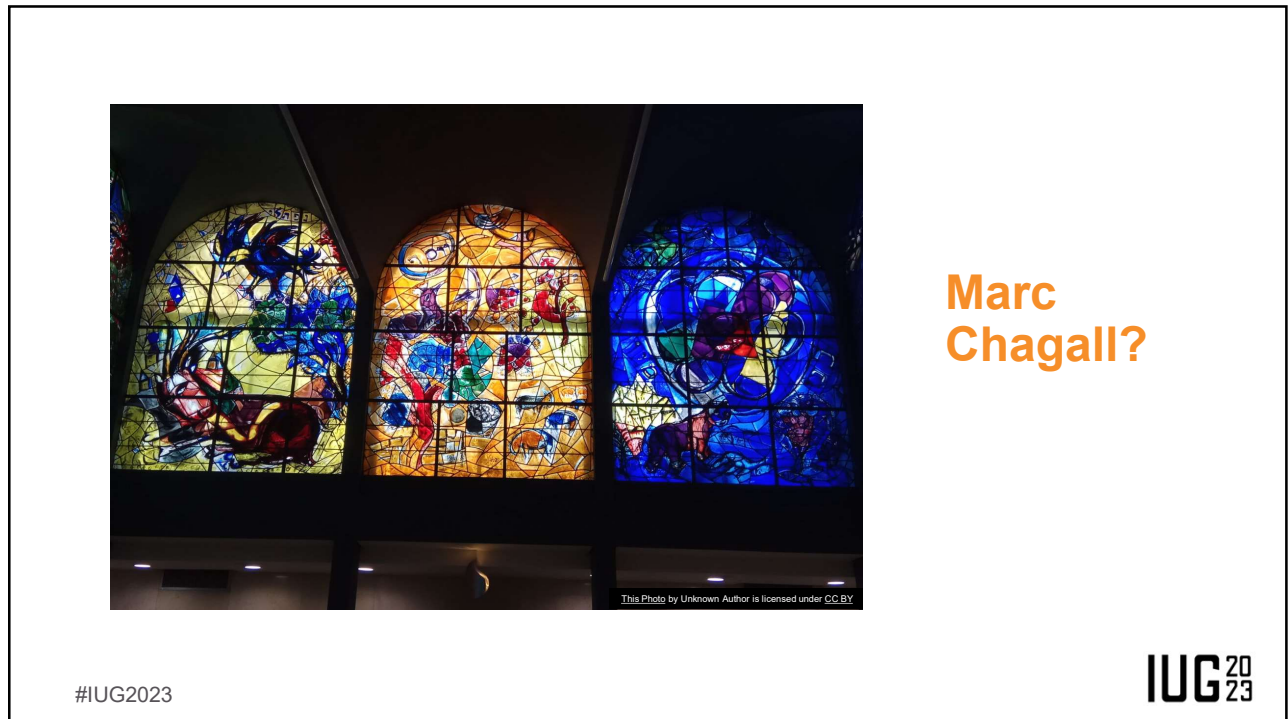


# Question 1

What (who) is MARC?

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Marc Chagall?

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## MACHINE-READABLE Cataloging = MARC

- Created in the 1960's by the Library of Congress



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## MAchine-Readable Cataloging = MARC

- Computer-to-computer communication of bibliographic metadata



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## MAchine-Readable Cataloging = MARC

- Updated twice a year
- Current edition MARC 21
- Current update no. 35 (December 2022)

4500001000700000003000  
60000009004200010400  
012001550800014007708  
4000900091100002300100  
240024500123300003003  
685200700038152002320  
112965000280136100003  
2013007000030014007000  
033014517000029008477  
3000000000000000000000

**MARC  
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## MARC formats for records

- Bibliographic
- Authority
- Holdings
- Classification
- Community



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## MARC record elements

- Field tags
- Indicators
- Subfield tags

100	1		Schuh, Mari C.,  d 1975-  e author.
245	1	0	Siamese cats /  c by Mari Schuh.
264		1	Mankato, MN :  b Amicus High Interest,  c [2017]
300			pages cm.
505	0		Beautiful cats -- History -- Short fur -- Kittens -- Grooming -- Long and thin -- Blue-eyed cats -- Smart and curious -- Loud but loving -- How do you know it's a Siamese?.
520			"A photo-illustrated book for early readers about Siamese cats. Describes the Siamese's unique features, history as good show cats, social behaviors, and how they act as pets".
650		0	Siamese cat  v Juvenile literature.
650		0	Cat breeds  v Juvenile literature.
650		7	Cat breeds.  2 fast  0 (OCoLC)fst00848496
650		1	Siamese cat.
650		1	Cat breeds.

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## MARC code lists

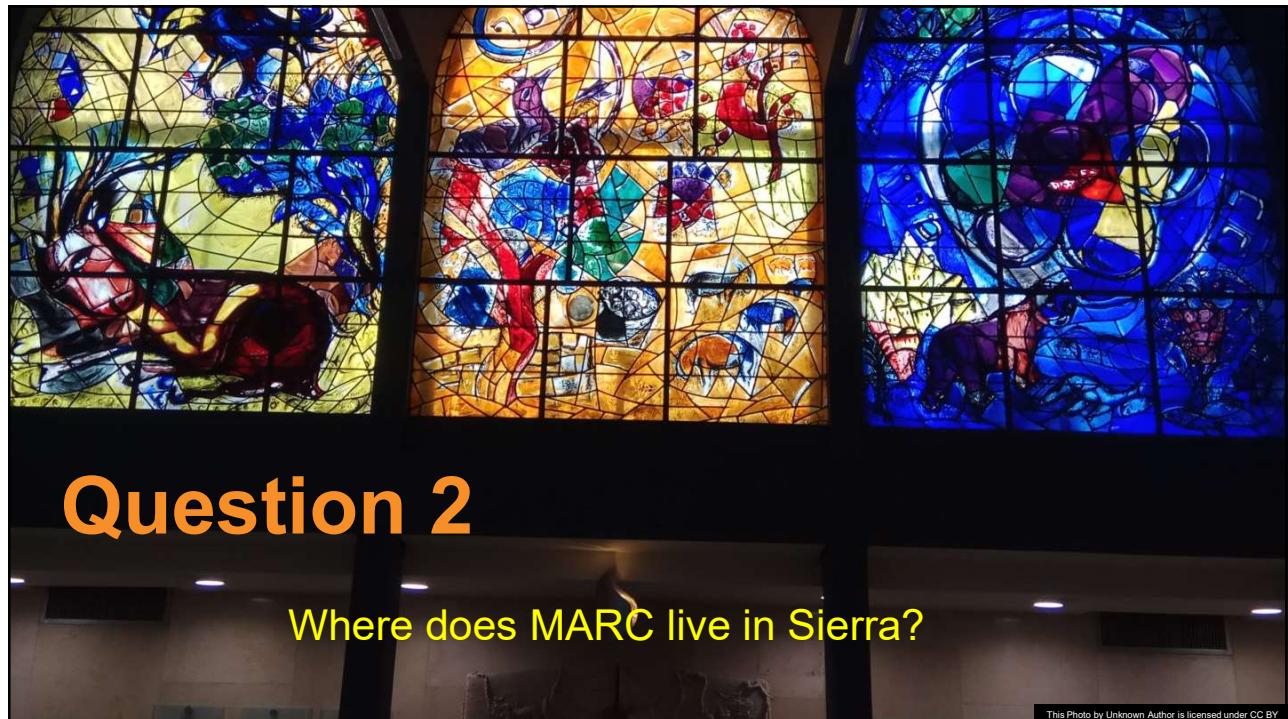
- Countries
- Languages
- Organizations
- Geographic area codes
- Relators



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## In bibliographic and authority records

- Defines the elements that may be encoded in records

Language	eng English	Cat. Date	04-08-2004	Suppression/Projects	- WILL DISPLAY
Skip	0	Bib Level	m MONOGRAPH	Country	xx United States
Location	multi	Material Type	a PRINTED BKJNL		
MARC Leader	#### n a m 2 2 #### a 4 5 0 0				
LOCATIONS	eb_ju				
Bib Utility No.	001	0905252012			
Misc.	008	Date Ent	940308	Dat Type	s
		Date Two		Country	enk
		Illustr2		Illustr3	
		Audience		Formitem	
		Content2		Content3	
		Govt Pub		Conf Pub	0
		Index	0	Undefine	
		Blig	c	Language	eng
		Cat Srce		Modified	
LCCN	010	81177505			

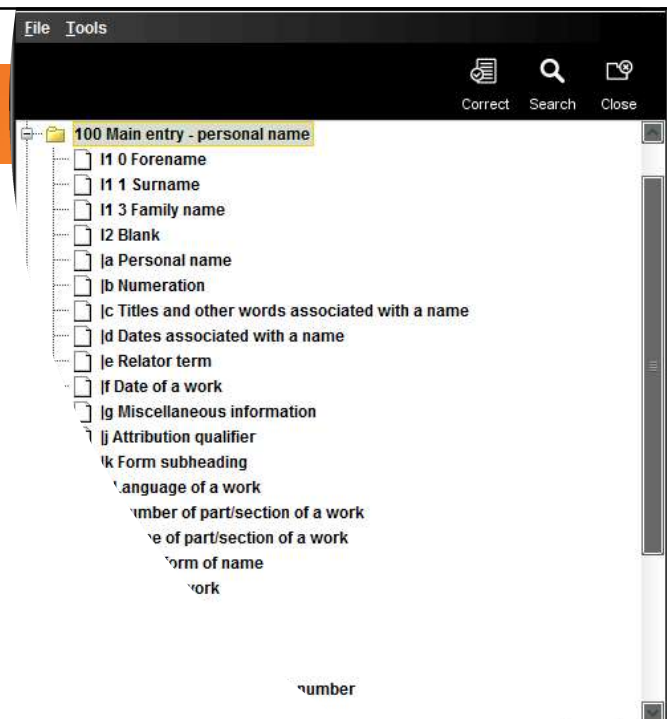
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## How do I see MARC tags?

- Tools | MARC Tag Info



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## How do I see MARC Language codes?

- Double-click on Language fixed field

The screenshot shows a MARC record editor window titled 'b10360499'. The 'Language' field is set to 'ukr Ukrainian'. A 'Select' dialog box is open, displaying a list of language codes and their corresponding names, such as 'abk Abkhaz', 'ach Acoli', 'ady Adygei', etc. The 'OK' button is highlighted.

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## And MARC Country codes?

- Double-click on Country fixed field

The screenshot shows the same MARC record editor window. The 'Country' field is set to 'xx United States'. A 'Select' dialog box is open, displaying a list of country codes and names, such as 'aa No country', 'abc Alberta', 'ae Algeria', etc. The 'OK' button is highlighted.

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## How do I see the MARC version in my system?

- Admin Corner
- System Options
- Database Maintenance Options
- 01 > MARC format validity tables

```


MARC 21 Bibliographic format
#Statement of currency:
#http://www.loc.gov/marc/bibliographic/ -- Update No. 33, Nov. 2021
#@0XX CONTROL FIELDS; NUMBER & CODE FIELDS; CALL# & CLASSIFICATION FIELDS
#@1XX MAIN ENTRY FIELDS
#@2XX TITLE & RELATED FIELDS; EDITION, IMPRINT, ETC. FIELDS
#@3XX PHYSICAL DESCRIPTION FIELDS
#@4XX SERIES STATEMENT FIELDS
#@5XX NOTE FIELDS
#@6XX SUBJECT ACCESS FIELDS
#@7XX ADDED ENTRY FIELDS; LINKING ENTRY FIELDS
#@8XX SERIES ADDED ENTRY FIELDS; HOLDINGS, LOCATIONS, ALTERNATE GRAPHICS, ETC.
#@9XX LOCAL USE FIELDS
001 Control number
003 NUC symbol
005 Date and time of latest transaction
006 Fixed-length data elements (additional materials)
007 Physical description fixed field
008 Fixed-length data elements
010 Library of Congress control number

```

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## Question 3

- Who creates and manages MARC?

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## Managed by the MARC Steering Group

- 4 national libraries



Library and Archives Canada



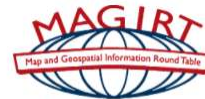
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## Advised by the MARC Advisory Committee

Library and Archives Canada



A ROUND TABLE OF THE AMERICAN LIBRARY ASSOCIATION

- National libraries
- Library associations
- Library system vendors and networks

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## MARC change process

- Proposals made to the Advisory Committee
- Voted on at ALA Midwinter and ALA Annual



- Updates to MARC21 are published twice a year

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## How to I stay current with the changes?

Most recent changes:

- <https://www.loc.gov/marc/bibliographic/bdapndxg.html>

[Library of Congress](#) >> [MARC](#) >> [Bibliographic](#) >> [Appendix G](#)

### Appendix G - Format Changes

#### MARC 21 Bibliographic

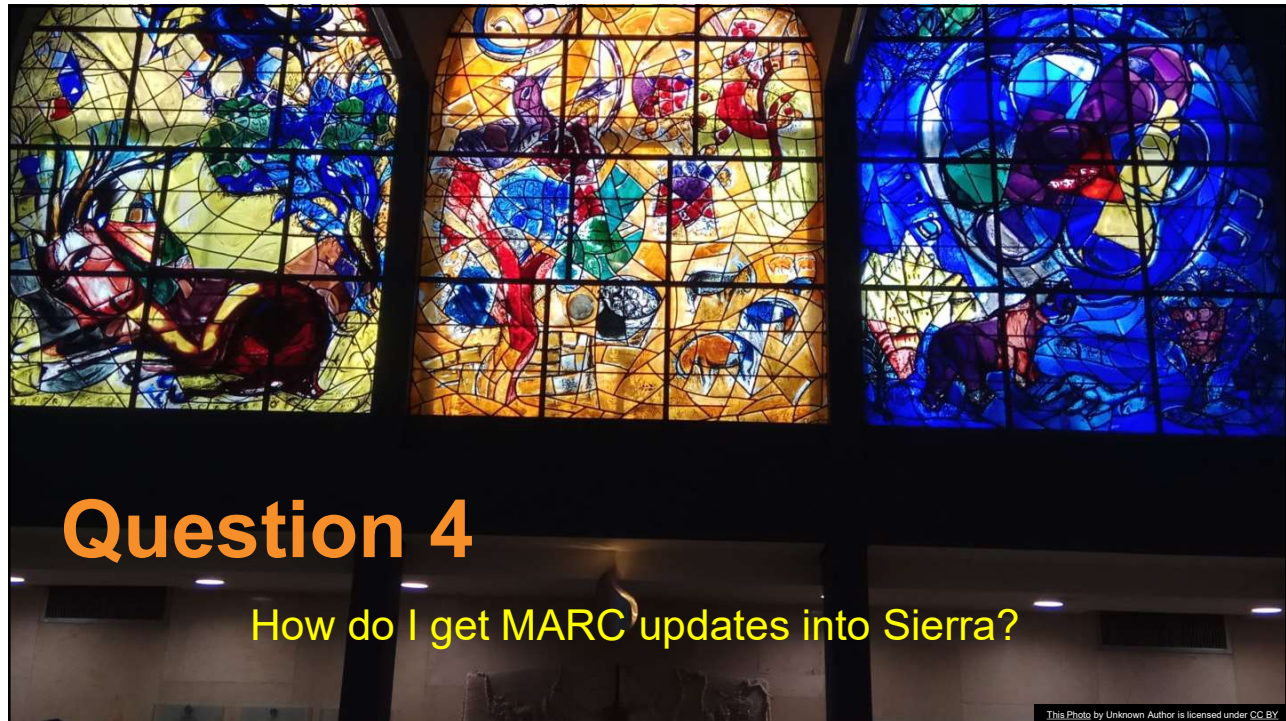
This section is provided for the lists of format changes that accompany each update to the *MARC 21 Format for Bibliographic Data*.

- MARC format overview back to Feb. 1999:
- <https://www.loc.gov/marc/status.html>

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## Staying current

- MARC updated twice a year
- Watch for 'red' when viewing records:

Misc.	002	0	3	131.52	220	
Authors	100	1	0	Mitchell, Margaret, d 1900-1949.		
TITLE	245	1	0	One with the wind / c Margaret Mitchell ; with a new preface by Pat Conroy and an introduction by James A. Michener.		
TITLE	246	0	0	Gone with		

- Red = invalid = not in your MARC validity table

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## I want to manage it myself

- MARC formats:
  - In Admin Corner
  - System Options
  - Database Maintenance Options
  - 01 > MARC format validity tables
  - Select table to edit
- Read Sierra documentation on **MARC format validity tables**

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```

MARC 21 Bibliographic format
#Statement of currency:
#http://www.loc.gov/marc/bibliographic/ -- Update No. 33, Nov. 2021
#@0XX CONTROL FIELDS; NUMBER & CODE FIELDS; CALL# & CLASSIFICATION FIELDS
#@1XX MAIN ENTRY FIELDS
#@2XX TITLE & RELATED FIELDS; EDITION, IMPRINT, ETC. FIELDS
#@3XX PHYSICAL DESCRIPTION FIELDS
#@4XX SERIES STATEMENT FIELDS
#@5XX NOTE FIELDS
#@6XX SUBJECT ACCESS FIELDS
#@7XX ADDED ENTRY FIELDS; LINKING ENTRY FIELDS
#@8XX SERIES ADDED ENTRY FIELDS; HOLDINGS, LOCATIONS, ALTERNATE GRAPHICS, ETC.
#@9XX LOCAL USE FIELDS
001 Control number
003 NUC symbol
005 Date and time of latest transaction
006 Fixed-length data elements (additional materials)
007 Physical description fixed field
008 Fixed-length data elements
010 Library of Congress control number
I1 Blank
I2 Blank
a LC control number
b NUCMC control number
z Canceled/invalid LC control number
8 Field link and sequence number
013 Patent control number
I1 Blank
I2 Blank
a Number
b Country
c Type of number
d Date
e Status information
f Party to document

```

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## I want to manage it myself

- Admin | Parameters | General
  - **Country Codes**
  - **Language Codes**

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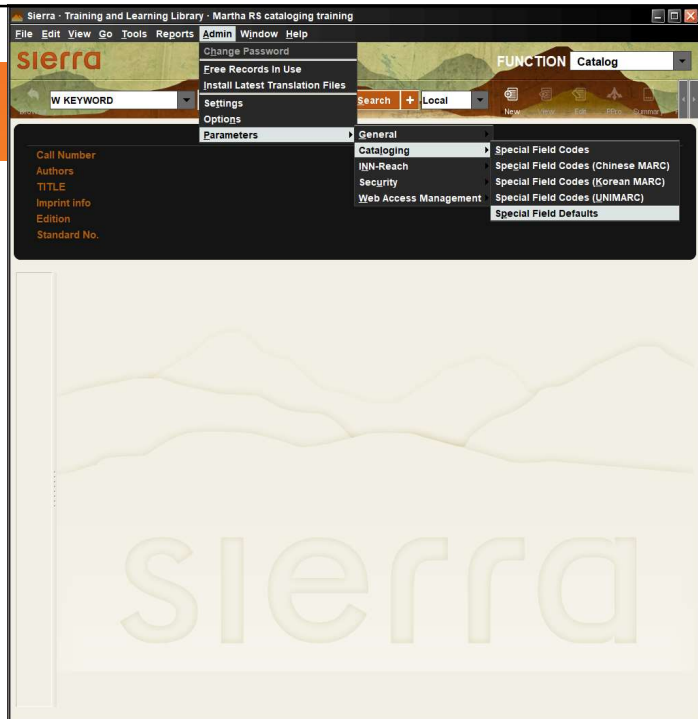
The screenshot shows the Sierra cataloging software interface. The title bar reads "Sierra - Training and Learning Library - Martha RS cataloging training". The menu bar includes "File", "Edit", "View", "Go", "Tools", "Reports", "Admin", and "Window Help". The "Admin" menu is open, showing options like "Change Password", "Free Records In Use", "Install Latest Translation Files", "Settings", "Options", and "Parameters". The "Parameters" menu is further expanded to show "General", "Agency", "Cataloging", "INN-Reach", "Security", and "Web Access Management". The "General" sub-menu is selected, displaying a list of parameters including "Branches", "Country Codes", "Fixed-length Codes", "Fixed-length Field Names", "Holdings Affiliation List", "Index Labels", "Item Status Codes", "Item Types", "Language Codes", "License Authentication Method List", "License Authorized Users List", "License Terms of use (Patron) List", "License Terms of use (Staff) List", "License Terms of use notes (Patron) List", "License Terms of use notes (Staff) List", "Material Type Icons", "Material Types", "Patron Blocks", "Patron Type", "Pcode 3", "Pcode 4", "Resource Affiliation List", "Resource Resource Format List", "Resource Resource Subject List", "Resource Resource Type List", and "Variable-length Field Names". The background of the interface features a large, faint "sierra" logo.

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## I want to manage it myself

- Codes for 006/007/008 fields
- Admin | Parameters | Cataloging
  - Special Field Defaults

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## I want Innovative to update it for me



- In Supportal, search for Solution 190822160401952
- Complete the Service Commitment
  - field tags, indicators, and subfield codes in bibliographic, authority, and MARC holdings records
  - special field codes
    - fixed fields, leader, 006, 007, and 008 fields
  - language codes
  - country codes

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**THANK YOU!**  
**Questions?**

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