Representation of DDC in MARC 21: An Update

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New fields in the MARC 21 Bibliographic format that support retrieval by DDC

- **083 Additional Dewey Decimal Classification Number**
  - To be used for Dewey numbers, including internal and external table numbers, added for subject access

- **085 Synthesized Classification Number Components**
  - To show how a built Dewey number has been built and to specify the component elements
MARC Proposal No. 2008-01


Representation of the Dewey Decimal Classification (DDC) System in MARC 21 formats

Submitted jointly by the Dewey editorial team, Deutsche Nationalbibliothek (DNB), Library of Congress, and OCLC

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Indicators:

First - Type of edition

0 - Full edition
1 - Abridged edition

Second - Source of classification number

# - No information provided
0 - Assigned by LC
4 - Assigned by agency other than LC
Subfield codes (selected):

$a - Classification number (R)

$2 - Edition number (NR)

$8 - Field link and sequence number (R)
Indicators:

First - Type of edition

0 - Full edition
1 - Abridged edition

Second - Undefined

# - Undefined
Subfield codes (selected):

$a - Classification number (R)
$c - Classification number--Ending number of span (R)
$y - Table number--internal subarrangement or add table (R)
$z - Table identification (R)
$2 - Edition number (NR)
$8 - Field link and sequence number (R)
Magda Heiner-Freiling argued that where number-building is not permitted because a topic does not approximate the whole of a class, the missing elements should be assigned separately.
Example of 083 field: Table 2 notation

082 04 $a 725.17 $2 22
083 0# $z 2 $a 753 $2 22

- Embassy Residences in Washington, D.C.
- LCSH: Embassy buildings—Washington (D.C.)
- 725.17 Official residences has the note “Including embassy, legation, consulate buildings”
- T2—753 Washington, D.C.
Magda Heiner-Freiling discussed several reasons why institutions might prefer to assign relevant pieces of DDC notation to a work without putting the pieces together to form standard built DDC numbers.
Example of 083 field: Parts of a built number (1)

082 00 $a 338.4761510973 $2 22
083 0# $a 338.47 $2 22
083 0# $a 615.1 $2 22
083 0# $z 2 $a 73 $2 22

- *Pharmaceutical economics and policy*
- LCSH: Pharmaceutical industry—United States
Example of 083 field: Parts of a built number (2)

082 00 $a 338.4761510973 $2 22
083 0# $a 338.47 $2 22
083 0# $a 615.1 $2 22
083 0# $z 2 $a 73 $2 22

- 338.47 Economics of services and specific products
- 615.1 Pharmaceutical drugs
- T2—73 United States
“1. The rule of three leads to a rather general position of the topic in the DDC scheme (in the 400s or 800s), and important specific information in the document has to be neglected. . . . ”
Example of 083 field: Specific topics (1)

082 04 $a 809.1 $2 21
083 0# $a 841.009 $2 21
083 0# $a 892.71009 $2 21
083 0# $a 895.11009 $2 21

• *Neither a Borrower: Forging Traditions in French, Chinese and Arabic Poetry*
Example of 083 field: Specific topics (2)

- *Neither a Borrower: Forging Traditions in French, Chinese and Arabic Poetry*

- LCSH:
  - French poetry—History and criticism
  - Chinese poetry—History and criticism
  - Arabic poetry—History and criticism
082 04 $a 809.1 $2 21
083 0# $a 841.009 $2 21
083 0# $a 892.71009 $2 21
083 0# $a 895.11009 $2 21

- 809.1 History, description, critical appraisal of poetry from more than two literatures
- 841.009 French poetry—history and criticism
- 892.71009 Arabic poetry—history and criticism
- 895.11009 Chinese poetry—history and criticism
“2. A document covers two different topics with nearly equivalent importance and space in the text.”
Example of 083 field: Second topic (1)

082 00 $a 382.096051 $2 22
083 0# $a 382.096054 $2 22

- *Africa's Silk Road: China and India's New Economic Frontier*

- LCSH:
  - Africa—Commerce—China
  - China—Commerce—Africa
  - Africa—Commerce—India
  - India—Commerce—Africa
Example of 083 field: Second topic (2)

082 00 $a 382.096051 $2 22
083 0# $a 382.096054 $2 22

- *Africa's Silk Road: China and India's New Economic Frontier*
- In the primary number (082 field), the first notation from Table 2 added to base number 382.09 is 6 for Africa: 382.096
- Then, for commerce between two continents, countries, localities, a zero is added plus notation from Table 2 for the second area, in this case 51 China: 382.096051
Example of 083 field: Second topic

082 00 $a 382.096051 $2 22
083 0# $a 382.096054 $2 22

• *Africa's Silk Road: China and India's New Economic Frontier*

• In the 083 field, the number is the same as in the 082 field except that Table 2 notation 54 for India is added at the end: 382.096054

• By the Dewey first-of-two rule, the preferred number is 382.096051, not 382.096054; however, both topics are of equal importance in the work
“ONE, TWO, THREE DEWEY NUMBERS PER TITLE?” (3)

“3. Dewey rules and practice classify a topic in a class where European tradition would not place it or European (in this case German) users would not expect it.”
Example of 083 field: Alternate placement of topic (1)

082 00 $a 940.542132142 $2 22
083 0# $a 943.21420864 $2 22

- *Firestorm: Allied Airpower and the Destruction of Dresden*
- LCSH: Dresden (Germany)—History—Bombardment, 1945
For specific battles or military actions of a war, use the number for the war, not the number for the place where the action occurred.
Example of 083 field: Alternate placement of topic (2)

082 00 $a 940.542132142 $2 22
083 0# $a 943.21420864 $2 22

- 940.542132142 Military history of the bombing of Dresden in World War II
- 943.21420864 History of Dresden in the period of World War II, 1939-1945
Magda Heiner-Freiling wrote, “The partners in the project DDC German . . . want to offer access to all elements in built numbers from the beginning.”
Indicators: both # undefined

Subfield Codes:

$a - Number where instructions are found--single number or beginning number of span (R)

$b - Base number (R)

$c - Classification number--Ending number of span (R)

$f - Facet designator (R)

$r - Root number (R)
$r$ - Root number (R)

$s$ - Digits added from classification number in schedule or external table (R)

$t$ - Digits added from internal subarrangement or add table (R)

$u$ - Number being analyzed (R)

$v$ - Number in internal subarrangement or add table where instructions are found (R)
$w - Table identification--internal subarrangement or add table (R)

$y - Table number--internal subarrangement or add table (R)

$z - Table identification (R)

$6 - Linkage (NR)

$8 - Field link and sequence number (R)
Example of 085 field: Number built in three steps (1)

082 00 $8 1 $a 338.4761510973 $2 22
085 ## $8 1.1 $b 338.47 $a 338.47001 $c 338.47999 $s 6151
085 ## $8 1.2 $b 338.476151 $z 1 $s 09
085 ## $8 1.3 $b 338.47615109 $z 1 $a 093 $c 099 $z 2 $s 73

- Pharmaceutical economics and policy
- LCSH: Pharmaceutical industry—United States
Example of 085 field: Number built in three steps (2)

082 00 $8 1 $a 338.4761510973 $2 22

085 ## $8 1.1 $b 338.47 $a 338.47001 $c 338.47999
$s 6151

- The first step was to add 6151 (Pharmaceutical drugs) to base number 338.47 (Economics of services and specific products), following instructions at 338.47001-338.47999 (Subdivisions for products and services)
Example of 085 field: Number built in three steps (3)

082 00 $8 1 $a 338.4761510973 $2 22

085 ## $8 1.2 $b 338.476151 $z 1 $s 09

- The second step was to add notation 09 (Geographic treatment) from Table 1 to the new base number built in the first step, 338.476151
Example of 085 field: Number built in three steps (4)

082 00 $8 1 $a 338.4761510973 $2 22
085 ## $8 1.3 $b 338.47615109 $z 1 $a 093 $c 099 $z 2 $s 73

- The third step was to add notation 73 (United States) from Table 2 to the base number produced in the second step, 338.47615109, following the instructions at 093-099 in Table 1

- The result is the number in the 082 field: 338.4761510973
Example of 085 field: Number built with add table notation (1)

082 00 $8 1 $a 616.120231 $2 22

085 ## $8 1.1 $b 616.12 $a 616.1 $c 616.9 $w 616.1 $c 616.9 $y 1 $t 0231

- *Oxford Handbook of Cardiac Nursing*
- LCSH: Heart—Diseases—Nursing—Handbooks, manuals, etc.
The number in the 082 field was built by adding to base number 616.12 (heart disease) notation 0231 (nursing) from the first ($y 1) (and only) add table under the span 616.1-616.9 Specific diseases, following instructions under 616.1-616.9
The new fields in the MARC 21 Bibliographic format will help libraries to make full use of the DDC for retrieval:

- 083 Additional Dewey Decimal Classification Number field and
- 085 Synthesized Classification Number Components field