

# Representation of DDC in MARC 21: An Update

**Julianne Beall**

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Heiner-Freiling**

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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*



Library of Congress, Network Development and MARC Standards Office. *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

Approved with some amendments February 14, 2008

<http://www.loc.gov/marc/marbi/2008/2008-01.html>

# Heiner-Freiling, Magda. "DDC German—The Project, the Aims, the Methods"



Heiner-Freiling, Magda. "DDC German—The Project, the Aims, the Methods: New Ideas for a Well-Established Traditional Classification System," *Cataloging & Classification Quarterly* 42, no. 3/4 (2006): 147-162. Co-published in *Moving Beyond the Presentation Layer: Content and Context in the Dewey Decimal Classification (DDC) System*, ed. Joan S. Mitchell and Diane Vizine-Goetz (New York: Haworth Information Press, 2006).

# 082 Dewey Decimal Classification Number (1)



## 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

# 082 Dewey Decimal Classification Number (2)



Subfield codes (selected):

\$a - Classification number (R)

\$2 - Edition number (NR)

\$8 - Field link and sequence number (R)

# 083 Additional Dewey Decimal Classification Number (1)



## Indicators:

First - Type of edition

0 - Full edition

1 - Abridged edition

Second - Undefined

# - Undefined

# 083 Additional Dewey Decimal Classification Number (2)



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)



# “APPROXIMATELY THE WHOLE AND STANDING ROOM”



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.

# “UNCONVENTIONAL WAYS OF USING DEWEY NUMBERS WITHOUT NOTATIONAL SYNTHESIS”



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

# "ONE, TWO, THREE DEWEY NUMBERS PER TITLE?" (1)



"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



# Example of 083 field: Specific topics (3)



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

# “ONE, TWO, THREE DEWEY NUMBERS PER TITLE?” (2)



“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 (3)



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

# From Manual at 930-990



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)

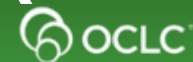


082 00 \$a 940.542132142 \$2 22

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

# “BUILT NUMBERS—A CHALLENGE FOR RETRIEVAL”



Magda Heiner-Freiling wrote, “The partners in the project DDC German . . . want to offer access to all elements in built numbers from the beginning.”

# 085 Synthesized Classification Number Components (1)



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)

# 085 Synthesized Classification Number Components (2)



\$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)

# 085 Synthesized Classification Number Components (3)



\$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.

# Example of 085 field: Number built with add table notation (2)



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

- 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**