

12 June 2017

# Integrated Authority File (GND) Data Service: Changes in the MARC 21 format for authority data from 12 September 2017 (Export Release 2017.03)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2017.03 of the MARC 21 format for authority data.

## 1. Schedule

### 1.1. Modified release planning

A new additional external test period has been introduced prior to conclusion of the release as part of the release planning review<sup>1</sup>. The field description and the test data are published at the beginning of this phase (see section 4). In the following two weeks, the external test phase then allows all data collectors to trial importing the test data and the online standard interface (ONS)<sup>2</sup> with regard to the announced format changes.

For the 2017.03 release, the external test phase is:

| 12 June – 23 June 2017

Please send any feedback on errors and abnormalities (including examples) by 23 June 2017 to [datendienste@dnb.de](mailto:datendienste@dnb.de).

### 1.2. Productive use

The changes will apply from:

| 12 September 2017  
(There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon during the technical changeover.)

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<sup>1</sup> <https://wiki.dnb.de/x/wgcbBQ>

<sup>2</sup> <http://www.dnb.de/EN/ons>

## 2. Format changes

### 2.1. MARC leader: Change of position 18 (Punctuation policy)

In the MARC leader, position 18 (new: Punctuation policy) is changed from "#" (No information provided) to "c" (Punctuation omitted).

### 2.2. MARC field 079 (Authority data codes) (NR): Discontinuation of information in subfields \$b (Type of entity) (NR), \$c (Cataloguing level) (NR) and subfield \$v (Code for entity subdivisions) (R)

The above information previously listed in MARC field 079 (Authority data codes) (NR) is no longer delivered in the fields used in the German-speaking countries, but instead in official MARC fields, the scope of which has been extended accordingly. Further information follows in this notification.

Only the following subfields will continue to be delivered in MARC field 079:

- | \$a Type of record (Authority data - GND) (NR)
- | \$q Part code (R)
- | \$u Use code (R)

### 2.3. New MARC field 042 (Authentication code) (NR), subfield \$a (Authentication code) (R)

The cataloguing level is no longer delivered in the local MARC field 079 (Authority data codes) (NR), subfield \$c (Cataloguing level) (NR) but in the new MARC field 042 (Authentication Code) (NR), subfield \$a (Authentication code). The code is in conformity with the MARC Authentication Action Code List<sup>4</sup>.

#### **MARC field 042 (Authentication code) (NR)**

First indicator:        "\_" – Undefined  
Second indicator:     "\_" – Undefined

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<sup>3</sup> <http://www.dnb.de/gndchangeservice>

<sup>4</sup> <https://www.loc.gov/standards/valuelist/marcauthen.html>

\$a Authentication code:

- | "gnd1" (GND authenticated by curation team of a library network)
- | "gnd2" (GND authenticated by a local curation team)
- | "gnd3" (GND authenticated by trained users)
- | "gnd4" (GND authenticated by untrained users)
- | "gnd5" (GND authenticated by other non-librarian users)
- | "gnd6" (GND legacy data, not authenticated)
- | "gnd7" (GND automatically generated record, not authenticated)
- | Possible further entries from the MARC Authentication Action Code List.

## 2.4. New subfields in MARC field 075 (Type of entity) (R): Subfields \$b (Type of entity code) (R) and \$2 (Source) (NR)

The entity type and the codes for entity subdivisions are also no longer delivered in the local MARC field 079 subfields \$b (Type of entity) and \$v (Codes for entity subdivisions) but in the new repeatable MARC field 075 (Type of entity) in the subfields \$b (Type of entity code) (R) and \$2 (Source) (NR).

### MARC field 075 (Type of entity) (R)

First indicator: \_        "\_ " – Undefined  
Second indicator:        "\_ " – Undefined

- | \$b (Type of entity code) (R):
  - GND entities, general type<sup>5</sup> (then \$2 "gndgen")
  - "p" = Person (individual)
  - "n" = Personal name (not individualised)
  - "b" = Corporation
  - "f" = Congresses
  - "g" = Geographic entity
  - "s" = Subject term
  - "u" = Work
  - GND entities, specific type<sup>6</sup> (then \$2 "gndspec")
- | \$2 (Source) (NR):
  - "gndgen"
  - "gndspec"

Example for sections 2.2 – 2.4 (extracts):

```
001 1127149040
042 __ $agnd1
075 __ $bu$2gndgen
075 __ $bwim$2gndspec
079 __ $ag$qm$qf$um
```

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<sup>5</sup> <http://www.dnb.de/gndgeneraltype>

<sup>6</sup> <http://www.dnb.de/gndspecificitytype>

## 2.5. New subfield in MARC fields 4XX and 5XX: new subfield \$4 (Relationship) (R); Discontinuation of the local subfield \$94: (Relationship code) (R)

Instead of the previous local subfield \$94: (Relationship code) the official, repeatable subfield \$4 (Relationship) is now delivered in MARC fields 4XX and 5XX. Subfield \$4 (Relationship) can always be used with a URI in addition to the previously encoded form.

This means that \$4 is delivered first with the four-digit relationship code<sup>7</sup> of the GND and then subsequently a second \$4 with the URI from the GND ontology<sup>8</sup>.

Example (extracts):

```
100 1_ $aMay, Theresa$d1956-
510 2_ $0(DE-101)001215221$0(DE-588)121522-X$0http://d-nb.info/gnd/121522-X
    $aBritish Conservative and Unionist Party$4affi
    $4http://d-nb.info/standards/elementset/gnd#affiliation$wr$iAffiliation$eAffiliation
548 __ $a1956-$4dati$4http://d-nb.info/standards/elementset/gnd#dateOfBirth
    $wr$iLebensdaten
550 __ $0(DE-101)041750195$0(DE-588)4175019-6$0http://d-nb.info/gnd/4175019-6
    $aPolitikerin$4berc
    $4http://d-nb.info/standards/elementset/gnd#professionOrOccupation
    $wr$iCharakteristischer Beruf
551 __ $0(DE-101)942030869$0(DE-588)4349248-4$0http://d-nb.info/gnd/4349248-4
    $aEastbourne$4ortg$4http://d-nb.info/standards/elementset/gnd#placeOfBirth
    $wr$iGeburtsort
```

## 2.6. New MARC field 672 (Title related to the entity) (R)

Information on the person's works are no longer delivered in MARC field 692 (Works of the person) but in MARC field 672 (Title related to the entity) (R) (Resolution of 8th EG Authority data<sup>9</sup> session).

### MARC field 672 (Title related to the entity) (R)

First indicator:        "\_"        – Undefined  
Second indicator:     Nonfiling characters:  
                          Number of nonfiling characters: Value "0" - "9"

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<sup>7</sup> <http://www.dnb.de/gndtools>

<sup>8</sup> <http://d-nb.info/standards/elementset/gnd> (available only in German)

<sup>9</sup> <http://www.dnb.de/SharedDocs/Downloads/DE/DNB/standardisierung/protokolle/pEgNd20160223v.pdf> (available only in German)

Subfields:

- | \$a (Title) (NR): Title (possibly also addition and year)
- | \$b (Remainder of title) (NR): Additional remark
- | \$f (Date) (NR): Year
- | \$w (Bibliographic record control number): "(ISIL)<sup>10</sup>" IDN of the bibliographic record
- | \$0 (Authority record control number or standard number): Link number to authority record or standard number (e. g. ORCID number<sup>11</sup>)

Example (extracts):

672 \_0 \$aDeutsche Esperanto-Bibliothek Aalen\$bGeschichte einer Einrichtung\$f2008  
\$w(DE-101)12345678-x

672 \_0 \$a ORCID – Offener Standard zur Vernetzung von  
Forschenden\$f2016\$0(doi)10.1002/nadc.20164042239

## 2.7. New MARC field 677 (Definition) (R)

Definitions for non-self-explanatory preferred names are no longer delivered in MARC field 679 (Definition), but in the new MARC field 677 (Definition) (R) instead. The "MARC 21 format for authority data" was adapted on the basis of a request<sup>12</sup> from the German National Library.

### MARC field 677 (Definition) (R)

First indicator: \_       "\_" – Undefined  
Second indicator:       "\_" – Undefined

Subfields:

- | \$a (Definition) (R): Text
- | \$u (Uniform Resource Identifier) (R): URI
- | \$v (Source of definition) (NR): Remarks
- | \$5 (Institution to which field applies) (R):  
ISIL<sup>13</sup>

Example (extracts):

001 968633374  
150 \_\_ \$Trophäe  
667 \_\_ \$aKein sinnvoller OB möglich  
670 \_\_ \$aB 1996  
677 \_\_ \$aAllgemein Zeichen des Erfolgs, des Sieges  
680 \_\_ \$aFür Zeichen des Sieges in einem Krieg verwende Trophäe <Siegeszeichen>

## 2.8. New MARC field 885 (Matching information) (R)

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<sup>10</sup> <http://sigel.staatsbibliothek-berlin.de/suche/>

<sup>11</sup> <https://orcid.org/>

<sup>12</sup> <http://www.loc.gov/marc/mac/2016/2016-12.html>

<sup>13</sup> <http://sigel.staatsbibliothek-berlin.de/suche/>

Matching candidates are delivered for first time in the new MARC field 885 (Matching information).

### MARC field 885 (Matching information) (R)

First indicator:        "\_" – Undefined  
Second indicator:     "\_" – Undefined

Subfields:

- | \$a (Matching information) (NR): Specification of the match-and-merge information
- | \$b (Status of matching and its checking) (NR):  
"M" Match  
"P" Possible Match  
"N" New (no match)
- | \$c (Confidence value) (NR): determined matching value "99.999" - "00.000"
- | \$x (Nonpublic note) (NR): Internal comments
- | \$z (Public note) (NR): Preferred form and further details on the possible matches
- | \$0 (Authority record control number or standard number) (R):  
GND number of the authority record: "(DE-588)" GND number,  
URI of the authority record: "http://d-nb.info/gnd/" followed by GND number,  
DNB ID of the authority record: "(DE-101)"IDN
- | \$2 (Source) (NR): "gnd"

Example:

```
885 __ $aGNDIMPTP$bP$c69.231$0(DE-588)123158621  
$0http://d-nb.info/gnd/123158621$0(DE-101)123158621$2gnd
```

## 3. Further notes

- | MARC field 678 (Biographical or Historical Data) (R): Contrary to the advance notification<sup>14</sup> from February 2017, the GND format remains unchanged. Subfield \$b (Expansion) is retained. The current content of \$a (Biographical or historical data) is automatically deleted. Subfield \$a is newly defined as a short version of \$b, and the cataloguing guidelines for the GND will be adapted accordingly.

## 4. Further information and test data

The official Library of Congress documentation of the fields described can be found at <http://www.loc.gov/marc/authority/ecadhome.html>.

The full description of authority data fields is available in PDF and Excel versions at <http://www.dnb.de/marc21>. In order to provide a brief overview of the changes made since publication of the previous concordance, all changes to the previous version are given on the first pages of the current field description in the PDF versions in each case.

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<sup>14</sup> <http://www.dnb.de/SharedDocs/Downloads/EN/DNB/service/rundschreiben20170303VorabinformMarc21Normdaten.html>

A sample file containing the notified changes and the new field can be found at <http://datendienst.dnb.de/cgi-bin/mabit.pl?userID=testdat&pass=testdat&cmd=login> under file name "GNDTestRelease2017\_03".

## 5. Unconfirmed advance information about the next but one release

Information on the release cycle can be obtained at: <https://wiki.dnb.de/x/wgcbBQ>.

Please note that this advance information on possible future changes is, by its nature, incomplete; changes may also be postponed to a later release or shelved entirely. Similarly, there may also be further major changes to the content. Which points are actually implemented can be found in the relevant release notification which will be issued in mid-October 2017.

Further information on the release cycle can be obtained from: <https://wiki.dnb.de/x/wgcbBQ>

Planned changes in the **next release but one**, scheduled for mid-January 2018, include the following:

- | There are plans to differentiate the URIs in MARC into those that identify a record, a description or a "label", and those that identify the actual entity, the "Real World Object". A corresponding submission<sup>15</sup> has been made. As a result, \$0 will then always contain the GND URI for the record, and \$1 always the GND URI for the entity itself.

If you have any questions please do not hesitate to mail us at [datendienste@dnb.de](mailto:datendienste@dnb.de) or phone us on the usual numbers.

Yours faithfully,  
on behalf of Deutsche Nationalbibliothek (German National Library)  
Heike Eichenauer

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<sup>15</sup> <http://www.loc.gov/marc/mac/2017/2017-08.html>