

27 June 2022

Integrated Authority File (GND) data service: Changes in MARC 21 format for authority data from 27 September 2022 (export release 2022.03)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2022.03 of the MARC 21 format for authority data.

1. Schedule

1.1. Release planning

The release planning¹ includes an external test phase. The field description and the test data are published at the beginning of this phase (see section 3). 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)² with regard to the announced format changes.

For the 2022.03 release, the external test phase is:

| 27 June – 8 July 2022

Please send any feedback on errors and abnormalities (including examples) by 8 July 2022 to metadatendienste@dnb.de.

¹ <https://wiki.dnb.de/x/wgcbBQ>

² <https://www.dnb.de/EN/ons>

1.2. Productive use

The changes will apply from:

- | 27 September 2022 (There maybe disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon during the technical changeover.)
- | Delivery 39, 2022 of the GND change service³

2. Information on field content

2.1. MARC field 083 (Dewey Decimal Classification Number) (R): New code in subfield \$2 (Edition number) (NR)

Since all the authority data has been updated to align with the 23rd German-language version of the DDC system, the character string "23/ger" will now invariably be delivered in MARC field 083 (Dewey Decimal Classification Number⁴ (R) subfield \$2 (Edition number) (NR) to identify the DDC edition used.

Example in outlines:

```
001 042483565
003 DE-101
005 20220215084041.0
008 910116n||azznnbabn | ana |c
083 04 $a338.1762142$d:2$9t:2007-01-01$223/ger
083 04 $a338.47637$d:2$9t:2007-01-01$223/ger
083 04 $a381.456371$d:3$9t:2022-02-15$223/ger
150 __ $aMilchhandel
450 __ $aMilch$xHandel
```

2.2. MARC field 400 (See from Tracing-Personal Name) (R), MARC field 430 (See from Tracing-Uniform Title) (R): additional information in subfield \$4 (Relationship) (R)

In the future, MARC fields 400 (See from Tracing-Personal Name) and 430 (See from Tracing-Uniform Title) will transport the new relationship code "tmzu" (Title with other title information) in subfield \$4 (Relationship)⁵, the matching URI from the GND Ontology⁶ in another subfield \$4, and the corresponding tracing phrase as a text string in subfield \$i.

³ <https://www.dnb.de/gndchangeservice>

⁴ <https://www.dnb.de/EN/ddcindnb>

⁵ <https://www.dnb.de/SharedDocs/Downloads/EN/Professionell/Metadatendienste/Rundschreiben/rundschreiben20170612AenderungMarc21Normdaten.pdf>

⁶ <https://d-nb.info/standards/elementset/gnd#>

The new relationship code is listed in the updated document "GND-Codes für Beziehungen"⁷.

Example in outlines:

```
001 1213476607
003 DE-101
380 __ $0(DE-101)04142484$0(DE-588)4142484-0$0https://d-nb.info/gnd/4142484-0$aAnimationsfilm$2gnd
430 _0 $aMaya the Bee 2$5DE-32
430 _0 $aDie Biene Maja : Die Honigspiele$9v:ISO639: ger
430 _0 $aBiene Maja 2 : Die Honigspiele$4tmzu
$4https://d-nb.info/standards/elementset/gnd#titleWithOtherTitleInformation
$wr$iTitel mit Titelzusatz$9v:ISO639: ger
430 _0 $aBleta Maja : Lojërat e mjaltit$9v:ISO639: alb
430 _0 $aMaya de Bij : De honingspelen$9v:ISO639: dut
430 _0 $aA Abelhinha Maya : O Filme$9v:ISO639: por
430 _0 $aLa abeja Maya: Los juegos de la miel$9v:ISO639: spa
430 _0 $aL'ape Maia : Le olimpiadi di miele$9v:ISO639: ita
667 __ $aWerktitel als Wissensraum$5DE-32
```

2.3. Established heading linking entry (R) in MARC fields 700 (Personal Name), 710 (Corporate Name), 711 (Meeting Name), 730 (Uniform Title), 750 (Topical Term) and 751 (Geographic Name)

Release 2022.01⁸ already contained adjustments to the established heading linking entries as part of the process of opening up the GND for interdisciplinary use within the framework of the project "GNDmul – Multilingual Cross-Concordances to the GND"⁹. More elements have been added in the current release.

2.3.1. New subfields \$4 (Relationship) (R) and \$i (Relationship Information) (R) in MARC fields 700 (Personal Name), 711 (Meeting Name), 730 (Uniform Title)

Subfields \$4 and \$i have been added to MARC fields 700, 711 and 730 in order to express and transport the types of relationship between GND entities and descriptors in various external thesauri.

MARC field 700/711/730 (Personal Name/Meeting Name/Uniform Title) (R)

New subfields:

| | |
|------------------------------------|---|
| \$4 (Relationship) (R) | Information according to ISO 25964-2 |
| \$i (Relationship information) (R) | Text form of code information according to ISO 25964-2 from MARC subfield \$4 |

⁷ <https://wiki.dnb.de/x/O5FjBQ> (expected to be updated by the end of September 2022).

⁸ <https://www.dnb.de/SharedDocs/Downloads/EN/Professionell/Metadatendienste/Rundschreiben/rundschreiben20211108AenderungMarc21Normdaten.pdf>

⁹ https://gnd.network/Webs/gnd/EN/Home/home_node.html

2.3.2. New subfield \$4 (Relationship) (R)

Subfield \$4 transports information according to ISO 25964-2¹⁰:

1. EQ
2. =EQ
3. ~EQ
4. EQ+
5. EQ|
6. BM
7. NM
8. RM

Note: in October 2021, the GND committee agreed that only the relationship codes "EQ", "=EQ" and "~EQ" would be used in the GND. Other relationships occur exclusively in the DNB-internal cross-concordance records.

2.3.3. New subfield \$i (Relationship Code) (R)

Further to \$4, the subfield \$i transports the corresponding type of relationship in text form. The subfield may contain the following:

1. Aequivalenz (if \$4 EQ)
2. exakte Aequivalenz (if \$4 =EQ)
3. inexakte Aequivalenz (if \$4 ~EQ)
4. UND-Aequivalenz (if \$4 EQ+)
5. ODER-Aequivalenz (if \$4 EQ|)
6. Oberbegriff-Relation (if \$4 BM)
7. Unterbegriff-Relation (if \$4 NM)
8. Verwandter-Begriff-Relation (if \$4 RM)

Note: in October 2021, the GND committee agreed that only the types of relationship "Aequivalenz", "exakte Aequivalenz" and "inexakte Aequivalenz" would be used in the GND. Other relationships occur exclusively in the DNB-internal cross-concordance records.

Example in outlines:

```
001 118617281
003 DE-101
035 __ $a(DE-101)118617281
035 __ $a(DE-588)118617281
035 __ $z(DE-588a)118617281$9v:zg
035 __ $z(DE-588c)4057113-0$9v:zg
100 1_ $aStein, Lorenz von$d1815-1890
400 1_ $aLorentz, Wasmer Jakob$d1815-1890$4nawi$4https://d-nb.info/standards/
    elementset/gnd#realIdentity$wr$iWirklicher Name$eWirklicher Name
400 1_ $aStein, Lorenz v.$d1815-1890
400 1_ $aVon Stein, Lorenz$d1815-1890
400 1_ $aShtein, Lorentz$d1815-1890
400 1_ $aStein, L.$d1815-1890
```

¹⁰ ISO 25964-2:2013: Information and documentation – Thesauri and interoperability with other vocabularies – Part 2: Interoperability with other vocabularies, s. <https://www.iso.org/standard/53658.html>

400 1_ \$aStein, Lorenz\$d1815-1890
 400 1_ \$aStein, Lorenz J. von\$d1815-1890
 400 1_ \$aStein, Lorenz Jacob von\$d1815-1890
 400 1_ \$aStein, Lorenzo de\$d1815-1890
 400 1_ \$aStein, Lorenz Jakob Rittter von\$d1815-1890
700 17 \$0(DE-101)970593864\$0(GESIS)10059228\$0http://lod.gesis.org/thesoz/
 concept_10059228\$aStein, Lorenz von\$d1815-1890**\$4=EQ**
\$4https://d-nb.info/standards/elementset/gnd#exactEquivalence
\$iexakte Aequivalenz\$2thesoz

2.3.4. Other content in subfield \$4 (Relationship) (R)

In addition to the adjustments to the established heading linking entries made in release 2022.01¹¹ and under section 2.3.1 by introducing subfields \$4 (Relationship) (R) and \$i (Relationship Information) (R) in MARC fields 700 (Personal Name), 710 (Corporate Name), 711 (Meeting Name), 730 (Uniform Title), 750 (Topical Term) and 751 (Geographic Name), in the future these fields will also transport a second subfield \$4 with a URI from the GND Ontology¹².

Example in outlines:

001 1206347392
 003 DE-101
 024 7_ \$a1206347392\$0http://d-nb.info/gnd/1206347392\$2gnd
 150 __ \$aCOVID-19
 450 __ \$aCoronavirus-Krankheit-2019
 450 __ \$aCorona virus disease 2019
 450 __ \$aCoronavirus disease 2019
 450 __ \$a2019-nCoV acute respiratory disease
 450 __ \$aNovel coronavirus pneumonia
 450 __ \$aWuhan pneumonia
 450 __ \$aCOVID-19-Infektion
 450 __ \$aCoronavirus-SARS-CoV-2-Infektion
 450 __ \$aSARS-CoV-2-Infektion
 550 __ \$0(DE-101)040636054\$0(DE-588)4063605-7\$0https://d-nb.info/gnd/4063605-7
 \$aViruskrankheit\$4obge
 \$4https://d-nb.info/standards/elementset/gnd#broaderTermGeneric\$wr
 \$iOberbegriff generisch
 550 __ \$0(DE-101)040366596\$0(DE-588)4036659-5
 \$0https://d-nb.info/gnd/4036659-5\$aLungenentzündung\$4obge
 \$4https://d-nb.info/standards/elementset/gnd#broaderTermGeneric\$wr
 \$iOberbegriff generisch
 550 __ \$0(DE-101)1206288906\$0(DE-588)1206288906
 \$0https://d-nb.info/gnd/1206288906\$aSARS-CoV-2\$4vbal
 \$4https://d-nb.info/standards/elementset/gnd#relatedTerm\$wr\$iVerwandter Begriff
 670 __ \$aPschyrembel (online)\$bals COVID-19-Infektion
 670 __ \$aWikipedia\$bStand: 20.03.2020\$uhttps://de.wikipedia.org/wiki/COVID-19
 677 __ \$aViruserkrankung, die durch das Coronavirus SARS-CoV-2 verursacht wird
750 _7 \$0(DE-101)1279669446\$0(DNLM)D000086382\$0http://id.nlm.nih.gov/mesh/D000086382
 \$aCOVID-19**\$4=EQ\$4https://d-nb.info/standards/elementset/gnd#**

¹¹ <https://www.dnb.de/SharedDocs/Downloads/EN/Professionell/Metadatendienste/Rundschreiben/rundschreiben20211108AenderungMarc21Normdaten.pdf>

¹² <https://d-nb.info/standards/elementset/gnd>

exactEquivalence**\$iexakte Aequivalenz**\$2mesh\$9L:eng\$9v:Ausg. 2020|2021
750 _7 \$0(DE-101)1222039931\$0(DLC)sh2020000570
 \$0http://id.loc.gov/authorities/subjects/sh2020000570\$aCOVID-19 (Disease)
\$4=EQ\$4https://d-nb.info/standards/elementset/gnd#exactEquivalence
\$iexakte Aequivalenz\$2lcsh\$9L:eng
750 _7 \$0(DE-101)1222039931\$0(FrPBN)FRBNF17874453
 \$0https://data.bnf.fr/ark:/12148/cb17874453m\$aCovid-19**\$4=EQ**
\$4https://d-nb.info/standards/elementset/gnd#
exactEquivalence**\$iexakte Aequivalenz**
 \$2ram\$9L:fre

3. Further information and test data

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

The full description of authority data fields is available in PDF and Excel versions at <https://www.dnb.de/EN/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.

A sample file containing the notified changes and the new field can be found at <https://data.dnb.de/testdat/> under file name "GNDTestRelease2022_03".

4. Unconfirmed advance information about the next but one release

Further information on the release cycle can be obtained from: <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. Please refer to the release announcement to be published in November 2022 (which will go into productive use in February 2023) for information on the specific points to be implemented. The following changes in the area of authority data are planned for this release:

- | Adjustments to the internal treatment of (non-)sorting characters "@" (at sign) and "{" (left curly bracket): in future, only the first occurrences of these symbols will be treated as (non-)sorting characters; all other occurrences will be treated like normal characters. This means that an at sign can appear as a normal text character in MARC 21 data.

If you have any questions please do not hesitate to mail us at metadatendienste@dnb.de.