German National Library
Adickesallee 1
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01 July 2019

Integrated Authority File (GND) data service: Changes in MARC 21 format for authority data from 15 October 2019 (export release 2019.03)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2019.03 of the MARC 21 format for authority data.

1. Schedule

1.1. Release planning

The release planning[1] 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 2019.03 release, the external test phase is:

| 01 July – 12 July 2019

Please send any feedback on errors and abnormalities (including examples) by 12 July 2019 to datendienste@dnb.de.

1.2. Productive use

The changes will apply from:

| 15 October 2019
(There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon during the technical changeover.)
| Delivery 42, 2019 of the GND change service[3]

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[1] https://wiki.dnb.de/x/wgcbBQ
[2] https://www.dnb.de/EN/ons
[3] https://www.dnb.de/gndchangeservice

2. Information on field content

2.1. Subfields $0 with URIs and permalinks: HTTPS protocol

The URIs for the resources in the Deutsche Nationalbibliografie (DNB), GND, German Union Catalogue of Serials (ZDB) and the ISIL and library codes directory are to change from release 2019.03. The HTTP protocol will be replaced by HTTPS. However, queries made using the HTTP protocol will be permanently redirected.

This will ensure that the data is delivered through secure connections, thus guaranteeing its authenticity. As a federal institution with legal capacity under public law, the German National Library is obliged to use TLS[4] (Transport Layer Security) protocols when communicating with other authorities, institutions and citizens. This is in line with a regulation issued by the Federal Office for Information Security[5].

URLs entered into the database itself with the protocol "http" will initially remain unchanged. This refers to the identifier in MARC field 024 (Other Standard Identifier).
The permalinks in MARC fields 260, 372 (field not currently in use), 380, 382, 500, 510, 511, 530, 550, 551, 682 and 885 will be changed at the time of the release.

In addition, the prefix has been extended from "http://d-nb.info/standards/elementset/gnd" to "https://d-nb.info/standards/elementset/gnd" in all instances where relations within the GND are expressed using URIs from the GND Ontology[6] in subfield $4 (Relationship.

2.2. MARC field 024 (Other Standard Identifier) (R): new subfield $0

In response to a proposal[7] made by the PCC Task Group on URIs in MARC, the MARC Advisory Committee decided in January 2019 that a URI that identifies the entity described in the authority data record should no longer be depicted in MARC field 024, subfield $a (Standard Number or Code) and the value "uri" in subfield $2 (Source of Number or Code), but rather in subfield $0 with the value "gnd" in subfield $2. The change was published in Update No. 28[8] of the MARC documentation.

MARC-Feld 024 (Other Standard Identifier) (R)

First Indicator: „7" – Source specified in subfield $2
                          „8" - Unspecified type of standard number or code
Second Indicator: „_" – Undefined

| $a (Standard number or code) (NR):
        o   GND identifier (without the ISIL prefix "(DE-588)"

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[4] https://en.wikipedia.org/wiki/Transport_Layer_Security

[5] https://www.bsi.bund.de/DE/Themen/StandardsKriterien/Mindeststandards_Bund/TLS-Protokoll/TLS-Protokoll_node.html (in German)

[6] https://d-nb.info/standards/elementset/gnd

[7] https://www.loc.gov/marc/mac/2019/2019-03.html

[8] https://www.loc.gov/marc/marc21_update28_online.html

> o   Other standard numbers or codes
>
> | $0 (Authority record control number or standard number) (NR):
>   URI = "http://d-nb.info/gnd/" followed by the GND number;
>   (possibly also URIs in other forms in future)
> | $2 (Source) (NR):
>   "gnd" or other codes (code from list of Standard Identifier Source Codes)[9]

The order of the subfields in 024 is $a, $0 and $2.

Example of 2.1 and 2.2 in excerpts:

LDR 01924nz a2200397nc 4500
001 000175552
003 DE-101
024 7_ $a17555-9$0http://d-nb.info/gnd/17555-9$2gnd
035 __ $a(DE-101)000175552
035 __ $a(DE-588)17555-9
040 __ \$aDE-1$cDE-1$9r:DE-1$bger$d1210
042 __ \$agnd1
043 __ \$cXA-DXDE$cXA-DE-HE
065 __ $a6.6$2sswd
075 __ bb2gndgen
075 __ $bkiz$2gndspec
079 __ agqfqsuz
110 2_ $aMathematisch-Physikalischer Verein$gMarburg
410 2_ $aPhilipps-Universität Marburg$bMathematisch-Physikalischer Verein
410 2_ $aMPh-Verein$gMarburg
410 2_ $aPhilipps-Universität Marburg$bMPh-Verein
510 2_ $0(DE-101)004624548$0(DE-588)2001630-X
        **$0https://d-nb.info/gnd/2001630-X**$aPhilipps-Universität Marburg$4adue
        $4https://d-nb.info/standards/elementset/gnd#
        hierarchicalSuperiorOfTheCorporateBody
        wriUeberordnung$eUeberordnung
550 __ $0(DE-101)040581780$0(DE-588)4058178-0
        **$0https://d-nb.info/gnd/4058178-0**$aStudentenverbindung$4obin
        **$4https://d-nb.info/standards/elementset/gnd#broaderTermInstantial**$wr
        $iOberbegriff instantiell
551 __ $0(DE-101)040374467$0(DE-588)4037446-4
        **$0https://d-nb.info/gnd/4037446-4**$aMarburg$4orta
        **$4http://d-nb.info/standards/elementset/gnd#placeOfBusiness**wriOrt$9X:1
551 __ $0(DE-101)040247295$0(DE-588)4024729-6
        **$0https://d-nb.info/gnd/4024729-6**$aHessen$4geow
        $4https://d-nb.info/standards/elementset/gnd#

3. Further information and test data

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[9] https://www.loc.gov/standards/sourcelist/standard-identifier.html

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

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 "GNDTestRelease2019_03".

4. Unconfirmed advance information about the next but one release

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

There are no planned changes in the **next release but one**, scheduled for mid-February 2020.

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

Kind regards,
on behalf of Deutsche Nationalbibliothek (German National Library)
Heike Eichenauer

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