

16 October 2017

Data Service Changes in MARC 21 format for bibliographic data from 16 January 2018 (Export Release 2018.01)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2018.01 of the MARC 21 format for bibliographic 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 review¹. The field description and the test data are published at the beginning of this phase (see section 4). The external test phase over the following two weeks allows all data purchasers to evaluate the test data for errors or irregularities and report them.

For the 2018.01 release, the external test phase is:

| 16 – 27 October 2017

Please send any feedback (including examples) by 27 October 2017 to datendienste@dnb.de.

No further adjustments will be made to the release after the external test phase.

The test data will be available for testing the import until the release goes into productive use.

1.2. Productive use

The changes will apply from:

| 16 January 2018 (There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 during the technical changeover.)

¹ <https://wiki.dnb.de/x/wgcbBQ>

2. Format changes

2.1. MARC field 689 (RSWK string) (R), subfield \$D (Representation of MARC field number) (R): Revision of conversion of links to works

Subfield \$D (Representation of MARC field number) of MARC field 689 (RSWK string) allows the correct MARC fields in the range from 600 to 655 to be derived when importing into the database (subject added entry). Works named in field 689 which have an intellectual creator are generally given the entity type of the intellectual creator in \$D, ("b", "f" and "p"). A further new feature is that works about geographic entities are given the entity type "b". The value "u" for work is only used if there is no intellectual creator.

MARC field 689 (RSWK string) (R)

Subfield \$D (representation of MARC field number) (R):

- | "b" - Corporation
- | "f" - Congress
- | "g" - Geographic entry
- | "n" - Person (not individualised)
- | "p" - Person (individualised)
- | "s" - Subject term
- | "u" - Work (only issued if no intellectual creator available)

Examples:

689 01 \$0(DE-588)4520542-5\$0 http://d-nb.info/gnd/4520542-5
\$0(DE-101)954932587\$Dp\$aAuerbach, Erich\$d1892-1957\$tMimesis

689 00 \$0(DE-588)1058348884\$0http://d-nb.info/gnd/1058348884
\$0(DE-101)1058348884\$Db\$aDetuschland\$tInstitutsvergütungsverordnung

689 00 \$0(DE-588)4036616-9\$0http://d-nb.info/gnd/4036616-9
\$0(DE-101)040366162\$Du\$aBibel\$pLukasevangelium

2.2. MARC fields 6XX (subject access fields): Delivery of machine-generated subject headings taken from a concordance and corresponding supplement to the provenance information in the associated MARC field 883

The last export release 2017.03 introduced the delivery of machine-generated subject headings in the subject access fields together with the provenance information in MARC field 883 (Machine-generated Metadata Provenance) (R) and described in detail in the notification². GND subject headings are now being delivered which are machine-generated from a concordance. These are

² <http://www.dnb.de/SharedDocs/Downloads/EN/DNB/service/rundschreiben20170712AenderungMarc21Titeldaten.html>

subject headings which were mapped with DDC notations as part of the CrissCross³ project. The 6XX fields are filled based on the usual routine. Only MARC field 883 contains new values in subfield \$a and is used in these cases as follows:

MARC field 883 (Machine-generated Metadata Provenance) (R)

- | Indicator 1:
"1" - Partially machine-generated
- | Indicator 2:
"_" - Undefined
- Subfields:
 - \$a Generation process - "Machine-generated from concordance" (NEW)
 - \$c Confidence value - "1,000" - "0.000"
 - \$d Generation date "YYYYMMDD"
 - \$q Generation agency - "DE-101"
 - \$8 Field link and sequence number "\p" (e.g. "1\p")
 - \$8 is always the first subfield in field 883

Example (extracts):

```
650 _7 $81\p$0(DE-588)4113446-1$0 http://d-nb.info/gnd/4113446-1
      $0(DE-101)04113446X$aEntscheidungsfindung$2gnd
883 1_ $81\p$amaschinell aus Konkordanz gebildet$c1$d20170316$qDE-101
```

2.3. MARC fields 6XX (Subject Access Fields) and MARC field 689 (RSWK string) (R): Delivery of subfields \$h (Medium) (NR) and \$l (Language) (NR) with links to works

When works were given as subject headings in the bibliographic data, there was no information on the medium and the language of the expression in the delivery. This is now being added so that the details of the associated works are delivered in full. This concerns the 6XX fields (Subject Added Entry) and MARC field 689 (RSWK string). The medium corresponds to the content of MARC field 336 (Content type). The language in subfield \$l is given in expanded written form.

MARC fields 6XX and 689: new subfields

- | \$h (Medium) (NR): Content type of expression⁴
- | \$l (Language of a work): Preferred designation of language in the GND (expanded written form)

³ <http://www.dnb.de/EN/Wir/Projekte/Archiv/crisscross.html>

⁴ <https://wiki.dnb.de/x/cxNSBg>

Example (extracts):

```
001 965027287
245 00 $a<NSB>Die<NSE> neue große Garten-Enzyklopädie$büber 4500 Pflanzenarten
      von A - Z$c[Koordination und Bearb. der dt. Ausg.: Neumann & Nürnberger.
      Hrsg.: Juliet Rogers ; Kay Scarlett. Übertr. ins Dt.: Susanne Born]
264 1 $aAugsburg$bWeltbild$c2002
600 17 $0(DE-588)4764663-9$0http://d-nb.info/gnd/4764663-9$0(DE-101)969964153
      $aBrecht, Bertolt$d1898-1956$t<NSB>Der>NSE>Augsburger Kreidekreis
      $htext$IDeutsch$2gnd
```

2.4. New MARC field 348 (Format of Notated Music) (R)

From this release the GND-linked information on the format of notated music will no longer be delivered in MARC field 655 (Index Term - Genre/Form) (R) as "gnd-music" in subfield \$2 (Source), but in MARC field 348 (Format of Notated Music) (R) as defined in 2015.

MARC field 348 (Format of Notated Music) (R)

- | Indicator 1:
"_" – Undefined
- | Indicator 2:
"_" – Undefined
- | Subfields:
\$a Format of notated music term (subject term, general subdivision, affix)
\$0 - Authority record control number or standard number:
"http://d-nb.info/gnd/"IDN des Normdatensatzes"
"(DE-588)"IDN des Normdatensatzes"
"(DE-101)"IDN des Normdatensatzes"
\$2 Source of term: "gnd-music"

Example (extracts):

```
001 1122864213
003 DE-101
100 1 $0(DE-588)13443949X$0http://d-nb.info/gnd/13443949X$0(DE-101)13443949X$aLange,
Willy$eKomponist$4cmp
245 00$aMondlicht am See$bWalzer ; böhmische Blasmusik$cWilly Lange ; Arrangement:
Bernhard Knittel
264 _1 $aQueidersbach$bEwoton Musikverlag GmbH$c[2016?]
300 __ $a1 Particell (6 Seiten), 51 Stimmen
336 __ $aNoten$bntm$2rdacontent
337 __ $aohne Hilfsmittel zu benutzen$bn$2rdamedia
338 __ $aBand$bnc$2rdacarrier
348 __ $0(DE-588)1071331124$0http://d-nb.info/gnd/1071331124
      $0(DE-101)1071331124$aParticell$2gnd-music
348 __ $0(DE-588)1071380443$0http://d-nb.info/gnd/1071380443
      $0(DE-101)1071380443$aStimme, Musikalische Ausgabeform$2gnd-music
```

3. Further notes

- | Local MARC field 689 (RSWK subject heading sequence):
In practice the 2nd indicator was only delivered up to a value of "5", now it continues up to "9".
- | MARC field 084 (Other classification number) (R), no DDC-based subject categories:
The previous practice of redundant delivery of the DDC subject categories in addition to the delivery in MARC-fields 082 (Dewey Decimal Classification Number) (NR) or 083 (Additional Dewey Decimal Classification Number) (R) in MARC field 084 (Other Classification Number) (R), is now discontinued following a decision of the Cooperative Network Applications working group (Arbeitsgruppe Kooperative Verbundanwendungen, AG KVA) in April 2017. MARC field 084 will, however, still be delivered for older subject category information that is not DDC-based.

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/bibliographic/ecbdhome.html>.

The full description of bibliographic 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 description, all changes to the previous version are given on the first pages of the PDF versions in each case.

A sample file containing the notified changes can be found at <https://data.dnb.de/testdat/> under file name "TitelTestRelease2018_01".

5. 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-February 2018.

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-May2018, include the following:

Bibliographic data:

- | Delivery of machine-generated short notations with corresponding provenance information in MARC fields 082 (Dewey Decimal Classification Number) (NR) and 083 (Additional Dewey Decimal Classification Number) (R), as well as MARC field 883 for provenance information.
- | Delivery of machine-generated English subject headings⁵ of the LCSH in MARC-6XX fields and the corresponding provenance information in MARC field 883.

⁵ <http://www.loc.gov/aba/publications/FreeLCSH/freelcsh.html>

- | Delivery of two different URIs: those that identify a description (a "label"), and those that identify the actual entity, the "Real World Object". The basis for this is a "MARC request"⁶ which will be discussed and decided at the end of June by the MARC Advisory Committee. The subfields for the URIs will be adapted as follows:
 - o \$0 always contains the GND URI for the data record.
 - o \$1 always contains the GND URI for the entity.
- | Correction in the linking entry fields 76X - 78X: incorrect MARC fields are delivered in certain rare constellations. This has now been corrected.
- | Change in MARC field 650 (Subject Added Entry - Topical Term) (R): several subject headings of the GND without a corresponding link are currently separated by ",_" (comma + blank) in subfield \$a. For better separation of the individual subject headings a "_:_" (blank + semicolon + blank) is now used.

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

Yours faithfully,

Heike Eichenauer

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⁶ <http://www.loc.gov/marc/mac/2017/2017-08.html>