German National Library
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28 June 2021

Metadata services: changes in MARC 21 format for bibliographic data from 28 September 2021 (Export Release 2021.03)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2021.03 of the MARC 21 format for bibliographic data.

1. Schedule

1.1. External test phase

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 4, Further information and test data). In the subsequent two weeks all data purchasers can evaluate the test data for errors or irregularities and report them.

For the 2021.02 release, the external test phase is:

| 28 June – 9 July 2021

Please send any feedback (including examples) by 9 July 2021 to metadatendienste@dnb.de.

No further adjustments will be made to the scheduled release once the external test phase has ended. If we receive feedback at a later date, we will examine whether any corrections can be made; such corrections will not be issued any earlier than the following release.
After the end of the external test phase, the test data will be available for testing the import until the release goes into productive use.

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[1] https://wiki.dnb.de/x/wgcbBQ

1.2. Productive use

The changes will apply from:

| 28 September 2021 (There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon during the technical changeover.)

2. Format Changes

2.1. Information about open access, licenses and rights: MARC fields 506, 510, 540 and 542

The transportation of the open access and license information using MARC fields 506 (Restrictions on Access Note), 510 (Citation/References Note), 540 (Terms Governing Use and Reproduction Note) and 542 (Information Relating to Copyright Status) began with export release 2021.01. Since then, only the first source field has been evaluated in each case. However, starting with release 2021.03, all the available source fields and the corresponding information will be exported to these MARC fields, each of which is designated "repeatable".

Example in outlines:

001 1279652799
016 7_ $2DE-101$a1279652799
016 7_ $2DE-600$a3071322-5
245 00 $aLeipziger Adreß-, Post- und Reise-Kalender$bauf das Jahr Christi …, in welchem die bey dem Churfürstl. Sächsischen Gouvernement, sämmtlichen Collegiis und Expeditionen, Universität, Stadtmagistrat, geistl. Ministerio, der Kaufmannschaft, Innungen etc. stehende Personen, nebst mehreren Nachrichten befindlich sind
247 00 $aLeipziger Adreß-, Post- und Reise-Calender$fHauptsacht. 1753 - 1800
264 31 $aLeipzig$bNeubert$c1753-1814
264 21 $aLeipzig$bLöper$cfrüher
506 0_ $aOpen Access$fUnrestricted online access$qDE-14 $uhttp://purl.org/coar/access_right/c_abf2$2star
506 0_ $aOpen Access$fUnrestricted online access$qDE-1 $uhttp://purl.org/coar/access_right/c_abf2$2star
530 __ $a Online-Ausgabe: Dresden : Sächsische Landesbibliothek - Staats- u. Universitätsbibliothek, 2012. (Digitale Sammlungen / Sächsische Landesbibliothek - Staats- und Universitätsbibliothek Dresden : Saxonica) . - Online-Ausgabe # Berlin : Staatsbibliothek, 2008-2013
540 __ $aPublic Domain MARC 1.0$fPDM 1.0$qDE-14 $uhttps://creativecommons.org/publicdomain/mark/1.0/$2cc
540 __ $aPublic Domain MARC 1.0$fPDM 1.0$qDE-1 $uhttps://creativecommons.org/publicdomain/mark/1.0/$2cc
583 1 $aArchivierung/Langzeitarchivierung gewährleistet$5DE-14$2pdager

Please note: The example selected is a simulation and does not actually exist in this form. The same applies to some of the examples in the test files provided.

2.2. MARC field 583 (Action note, information about processing, reference, and preservation actions) (R)

2.2.1. New text in $a (Action, Standardized terminology descriptive of the action) (NR)

The text "Archivierung prüfen" generated from the code "eb"[2] newly introduced to the German Union Catalogue of Serials (ZDB) will be delivered in subfield $a with effect from this release. This is based on a resolution passed on 19 February 2021 by the Cooperative Network Applications Working Group (AG KVA)[3] for the purpose of documenting new information about processing and preservation actions. The full list of action codes used in German-speaking countries has already been amended accordingly and is available on the website[4] of the German National Library (DNB).

Example of new information in MARC field 583:

583 1_ **$aArchivierung prüfen**$c20200919$fDE-640$z1$2pdager

2.2.2. New subfield $u (Uniform Resource Identifier) (R)

On 19 March 2021, the AG KVA also passed a resolution regarding the delivery of additional information about processing and preservation actions, e.g. links to product agreements or methods of deacidification. In future, these links will be transported in subfield $u (Uniform Resource Identifier).

Example in outlines:

001 989726878
016 7_ $2DE-101$a989726878
016 7_ $2DE-600$a2439723-4
245 00 $aLeibesübungen in Bayern
264 31 $aMünchen$bSchrön$c1937-1939
515 __ $aPeriodizität: wöchentl.
583 1_ $375.1937-77.1939$aMassenentsäuert$c201705$iMETE
      **$uwww.ub.rwth-aachen.de/cms/~Ents/2017.xhtml**$zChargen-Nr. 345
      $5DE-82$2pdager

2.3. MARC field 751 (Added entry – Geographic name) (R): New subfield $e (Relator term) (R) and new values in subfield $4 (Relationship) (R)

Subfield $e (Relationship) in MARC field 751 can be used to provide more precise details about the respective geographical entity, particularly about its role in the context of the bibliographic data

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[2] The code "eb" will not be recorded in the German Union Catalogue of Serials until a later date.

[3] https://www.dnb.de/standardisationcommittees, see Cooperative Network Applications Working Group

[4] https://www.dnb.de/actionnotetermsgerman

record. For now, this option will be used specifically for the German Exile Archive's data. However, it may in general be provided in data records of the DNB and ZDB.

Additional codes will therefore be delivered in subfield $4 (Relationship) in the future.

MARC field 751 (Added Entry – Geographic Name) (R)

Subfields:

	$a (Geographic name) (NR):	geographic attribute (place of distribution etc.)
	$e (Relator term) (R):	designation of the relationship in text form
	$g (Miscellaneous information) (R):	additional part of the place name
	$0 (Authority record control number standard number (R)	„https://d-nb.info/gnd/" Identifier of the authority record
		„(DE-588)" Identifier of the authority record
		„(DE-101)" Identifier of the authority record
	$2 (Source of heading or term) (NR)	„gnd" ($2 is the last subfield)
	$4 (Relationship) (R)	designation of the relationship in coded form
		„dbp" - Distribution place
		„pad" - Place of address (since April 2021 listed in the MARC Code List for Relators)
		„mfp" - Manufacture place
		„prp" - Production place
		„pup" - Publication place
		Additional values are possible; please refer to https://www.loc.gov/marc/relators/

Examples in outlines:

001 1221324268
008 201112m19671967xxu||||| |||| 00||||ger
016 7_ $2DE-101$a1221324268
035 __ $a(DE-599)DNB1221324268
090 __ $vb
100 1_ $0(DE-588)1175907960$0https://d-nb.info/gnd/1175907960

   $0(DE-101)1175907960$aGabba, David$d18XX-19XX$eVerfasser$4aut$2gnd
245 10 $aBrief
264 _0 $aNew York (vermutlich)$c1967-1967
300 __ $a1 Blatt maschinenschriftlich mit Unterschrift
336 __ $aText$btxt$2rdacontent
337 __ $aohne Hilfsmittel zu benutzenbn2rdamedia
338 __ $aBlatt$bnb$2rdacarrier
490 1_ $aTeilnachlass Elsa Gabba
546 __ $aSchrift, Sprache: Deutsch
700 1_ $0(DE-588)1175905003$0https://d-nb.info/gnd/1175905003
   $0(DE-101)1175905003$aLieber, Elsa Tamara$d1927-$eAdressat$4rcp$2gnd
751 __ $0(DE-588)4042011-5$0https://d-nb.info/gnd/4042011-5
   $0(DE-101)040420116$aNew York, NY**$eEntstehungsort$4prp**$2gnd
751__ $0(DE-588)4119545-0$0https://d-nb.info/gnd/4119545-0
   $0(DE-101)041195450$aTel Aviv**$eAdressort$4pad**$2gnd
830 _0 $aTeilnachlass Elsa Gabba$w(DE-101)1173461167$9B.01.03.0237$7tc

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001 1231838108
003 DE-101
008 210420c20219999gw q||p| ||| 0||||1ger c
016 7_ $2DE-101$a1231838108
016 7_ $2DE-600$a3061075-8
035 __ $a(DE-599)ZDB3061075-8
082 74 $a070$a793$a796$a360$qDE-600$223sdnb
110 2_ $0(DE-588)1042696659$0https://d-nb.info/gnd/1042696659
        $0(DE-101)1042696659$aVerein für Leibesübungen Eintracht Hannover von
        Achtzehnhundertachtundvierzig$eVerfasserIn$4aut$2gnd
245 10 $aVereinsleben$bdas Magazin über den VfL Eintracht Hannover$cVfL Eintracht Hannover
        von 1848 e. V.
751 __ $0(DE-588)4023349-2$0https://d-nb.info/gnd/4023349-2
$0(DE-101)040233499$aHannover$eVerbreitungsort$4dbp$2gnd
```

2.4. MARC field 856 (Electronic location and access), (R): Removal of subfields which are no longer valid

Since update 31 to the MARC documentation, several subfields in field 856 are no longer valid ("obsolete"). The export of the bibliographic data will be adjusted accordingly. More information is available in the corresponding MARC proposal[5] and the current format documentation[6] of the Library of Congress.

The following subfields in MARC field 856 will be removed from exports of bibliographic data and holdings data[7]:

| $b Access number (R)
| $h Processor of request (NR)
| $i Instruction (R)
| $j Bits per second (NR)
| $k Password (NR)
| $l Logon (NR)
| $n Name of location of host (NR)
| $r Settings (NR)
| $t Terminal emulation (R)

3. Further notes

| MARC field 850 (Holding institution) (NR): Until now, the DNB has delivered the ISIL "DE-101c" in subfield $a (Holding institution) (R) for the holdings of the German Music Archive (DMA). Following a restructuring of the database scheduled for the 4th quarter of 2021, these data records will instead be delivered with the ISIL "DE-101a" (German National Library Leipzig).

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[5] https://www.loc.gov/marc/mac/2020/2020-03.html

[6] https://www.loc.gov/marc/bibliographic/bd856.html (here in particular the "Content Designator History") and
    https://www.loc.gov/marc/bibliographic/bdapndxg.html

[7] the respective fields in the example data have not yet been actively used.

4. Further information and test data

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

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

Sample files containing the notified changes can be found at:

| https://data.dnb.de/testdat/TitelTestRelease2021_03.mrc (MARC 21)
| https://data.dnb.de/testdat/TitelTestRelease2021_03.mrc.xml (MARC21-xml)

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 omitted entirely. Similarly, there may also be further major changes to the content. Which of the points are in fact implemented can be found in the corresponding release announcement which will be issued in November 2021.

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

For the next but one release in February 2022, the following changes are being planned:

Bibliographic data:

| No changes are currently being planned for the next but one release in mid-February 2022.

If you have any questions please do not hesitate to mail us at metadatendienste@dnb.de or phone us on +49 69 1525-1630.

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

*** Reading. Hearing. Understanding. German National Library ***

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