

09 November 2020

Metadata services: changes in MARC 21 format for bibliographic data from 9 February 2021 (Export Release 2021.01)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2021.01 of the MARC 21 format for bibliographic data.

1. Schedule

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 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 2021.01 release, the external test phase is:

| 09 – 20 November 2020²

Please send any feedback (including examples) by 20 November 2020 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.

¹ <https://wiki.dnb.de/x/wgcbBQ>

² Due to delays in the provision of the test data, the external test phase can only be perceived for a shorter period of time.

1.1. Productive use

The changes will apply from:

- | 09 February 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. New MARC fields 506, 510, 540 and 542: information about open access, licenses and rights

The open access and other license information has been revised in the MARC Bibliographic and MARC Holdings formats. A corresponding proposal was accepted by the MARC Advisory Committee with minor amendments, and the additions to the MARC format documentation were published as update no. 28³.

The corresponding content for online resources will be transported to 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). At the same time, the holdings data will be modified and MARC field 506 (Restrictions on Access Note) introduced.

2.1.1. MARC field 506 (Restrictions on Access Note) (R)

The new MARC field 506 (Restrictions on Access Note) (R) will be delivered from February 2021. Information about open access or any access restrictions will be provided in the corresponding fields. If present, an availability date will also be provided in subfield \$g (Availability date). The subfields \$f (Standardized terminology for access restriction), \$g (Availability date) and \$u (Uniform Resource Identifier) are "repeatable" in the MARC Bibliographic format but are treated as "non-repeatable" in the DNB.

MARC field 506 (Restrictions on Access Note) (R)

- | First Indicator (Restriction):
 - "_" - No information provided (= default)
 - "0" - No restrictions, open access
 - "1" - Restrictions apply, no open access
- | Second Indicator (Undefined):
 - "_" - Undefined (= default)

Subfields:

- | \$a (Terms governing access) (NR):
 - "Open Access" (first indicator = "0")
 - "Kein Open access" (first indicator = "1")
 - "Open Access unbekannt" (first indicator = "_")
- | \$f (Standardized terminology for access restriction) (R):
 - "Unrestricted online access" (first indicator = "0")

³ <http://www.loc.gov/marc/mac/2019/2019-01.html>

	- "Online access with authorization" (first indicator = "1")
	- "Restrictions unspecified" (first indicator = "_")
\$g (Availability date) (R):	Date structure yyymmdd
\$q (Supplying agency) (NR):	e.g. "DE-101d"
\$u (Uniform Resource Identifier) (R):	- "http://purl.org/coar/access_right/c_abf2" (if first indicator = "0") - http://purl.org/coar/access_right/c_16ec (if second indicator = "1")
\$2 (Source of term) (NR):	"star" (\$2 at end of field) (other values may also be added in the future)

2.1.2. MARC field 510 (Citation/References Note) (R)

MARC field 510 (Citation/References Note) (R) will be delivered for the first time starting in February 2021. The codes specified in ROAD⁴ (Directory of Open Access Scholarly Resources) are entered in this field when delivering data for periodicals. The "ROAD code" is assigned by the national ISSN centres in the international ISSN network⁵ for the purpose of classifying OA publications.

MARC field 510 (Citation/References Note) (R)

First Indicator (Coverage/location in source):	"4" - Location in source given (= default)
Second Indicator (Undefined)	"_" - Undefined (= default)

Subfields:

\$a (Name of source) (NR):	"ROAD"
\$c (Location within source) (NR):	- "OA-J" - Journals - "OA-R" - Academic repositories of articles - "OA-C" - Conference proceedings - "OA-M" - Monographic series - "OA-B" - Scientific blogs

Example for MARC fields 506 and 510 in outlines:

```
001 1018661840
022 __ $a2193-8091
022 __ $a2193-8091$26
110 _2 $0(DE-588)2007467-0$0https://d-nb.info/gnd/2007467-0$0(DE-101)004673832
      $aDeutsche Gesellschaft für Plastische und Wiederherstellungschirurgie$eVerfasser
      $4aut$2gnd
222 _0 $aGMS. Interdisciplinary plastic and reconstructive surgery DGPW
245 10 $aGMS interdisciplinary plastic and reconstructive surgery DGPW$cDeutsche Gesellschaft
      für Plastische und Wiederherstellungschirurgie
264 31 $aDüsseldorf$bgms$c2012-
```

⁴ <https://road.issn.org/>

⁵ <https://www.issn.org/>

300 __ \$aOnline-Ressource

506 0_ \$aOpen Access\$fUnrestricted online accesss

\$uhttp://purl.org/coar/access_right/c_abf2\$2star

510 4_ \$aROAD\$cOA-J

856 4_ \$uhttp://www.egms.de/dynamic/de/journals/iprs/index.htm\$xVerlag\$zkostenfrei

856 4_ \$uhttp://www.bibliothek.uni-regensburg.de/ezeit/?2645026\$xEZB

2.1.3. MARC field 540 (Terms Governing Use and Reproduction Note) (R)

MARC field 540 (Terms Governing Use and Reproduction Note) (R) is the third new MARC field in this context. It provides information on the corresponding rights, partly in text and partly in code. The information can be presented in text, code, or a combination of these.

MARC field 540 (Terms Governing Use and Reproduction Note) (R)

First Indicator (Undefined):	"_" - Undefined (= default)
Second Indicator (Undefined)	"_" - Undefined (= default)

Subfields:

\$a (Terms governing use and reproduction) (NR):	Specification of rights in textual form
\$f (Use and reproduction rights) (R):	Specification of rights in coded form
\$g (Availability date) (R):	Preferred structure for the date is yyyyymmdd
\$q (Supplying agency) (NR):	e.g. "DE-101d"
\$u (Uniform Resource Identifier) (R):	URL on license terms
\$2 (Source of term) (NR):	- "cc" (Creative Commons) - "rs" (RightsStatements)

Example in outlines:

001 1200110072

024 7_ \$2urn\$aurn:nbn:de:0168-ssoar-63540-3

024 8_ \$aoai: gesis.izsoz.de: document/63540

100 1_ \$aLierl, Malte\$eVerfasser\$4aut

245 10 \$aPromoting Good Governance in Africa - Three Popular Misconceptions

246 3_ \$aGood Governance in Afrika - drei falsche Vorstellungen

264 _1 \$aHamburg\$c2019

300 __ \$aOnline-Ressource, 12 S.

506 0_ \$aOpen Access\$fUnrestricted online access
 \$uhttp://purl.org/coar/access_right/c_abf2
 \$2star
 540 __ \$aCreative commons – Namensnennung, Keine Bearbeitung 3.0
 \$uhttp://creativecommons.org/licenses/by-nd/3.0\$2cc
 856 40 \$uhttps://nbn-resolving.org/urn:nbn:de:0168-ssoar-63540-3\$xResolving-System
 856 _0 \$uhttps://d-nb.info/1200110072/34\$xLangzeitarchivierung Nationalbibliothek
 856 4_ \$qapplication/pdf\$s550656 bytes\$uhttps://www.ssoar.info/ssoar/handle/document/63540

2.1.4. MARC field 542 (Information Relating to Copyright Status) (R)

MARC field 542 will also be introduced in this context. This field is currently used in the DNB to deliver information as part of the licensing service for out-of-commerce works⁶ (VW-LiS). There will be a transitional period in which the text in subfield \$n will also be delivered in MARC field 500 (General Note).

MARC field 542 (Information Relating to Copyright Status) (R)

	First Indicator (Privacy):	"1" - Not private (= default)
	Second Indicator (Undefined)	"_" - Undefined (= default)

Subfields:

	\$d (Copyright holder) (R):	holder of copyright (is currently not yet used)
	\$n (Note) (R):	"Wahrnehmung der Rechte durch die VG Wort (§51 VGG)"

Example in outlines:

```
001 1181361451
024 7_ $urn$aurn:nbn:de:101:1-2019050519535811166901
100 1_ $0(DE-588)118570188$0https://d-nb.info/gnd/118570188$0(DE-101)118570188
$aLaun, Rudolf$d1882-1975$eVerfasser$4aut$eMitwirkender$4ctb$2gnd
245 10 $a<NSB>Die<NSE> Haager Landkriegsordnung. Abkommen betreffend die Gesetze und
Gebräuche des Landkriegs$b[Vom 18. Oktober 1907]. [Das Übereinkommen über d.
Gesetze u. Gebräuche des Landkriegs]$cTextausgabe mit e. Einführung von Rudolf Laun
264 _1 $aLeipzig$aFrankfurt am Main$bDeutsche Nationalbibliothek$c2019
300 __ $a1 Online-Ressource (97 S.)
500 __ $aWahrnehmung der Rechte durch die VG WORT (§ 51 VGG)
500 __ $aReproduktion von: 4. Aufl.
542 1_ $nWahrnehmung der Rechte durch die VG WORT (§ 51 VGG)
583 1_ $aArchivierung/Langzeitarchivierung gewährleistet$5DE-101$2pdager
776 08 $iElektronische Reproduktion von$aLaun, Rudolf, 1882-1975$t<NSB>Die<NSE> Haager
Landkriegsordnung. Abkommen betreffend die Gesetze und Gebräuche des
Landkriegs$dWolfenbüttel ; Hannover : Wolfenbütteler Verlagsanst., 1948
$h97 S.$w(DE-101)452726522$b 4. Aufl.
856 40 $uhttps://nbn-resolving.org/urn:nbn:de:101:1-2019050519535811166901
$xResolving-System
856 _0 $uhttps://d-nb.info/1181361451/34$xLangzeitarchivierung Nationalbibliothek
```

⁶ <https://www.dnb.de/EN/vwllis>

2.2. MARC field 090 (User Level: Other Codes) (NR): new subfield \$v "Legacy materials"

The various types of material held by the German National Library's German Exile Archive 1933–1945 are to be described using MARC 21. Section 22 of the RNA and section B.1.1 of the new RNAB⁷ will be used as the framework. The Exile Archive delivers its data to Archivportal-D⁸. Using MARC 21 to describe each type of material will improve the further processing of the metadata in the archive portal.

For this, the new subfield \$v (Legacy materials) (R) will be added to MARC field 090 (Other Codes) (R), which was confirmed in 2016 by the Expert Group on Data Formats⁹:

MARC field 090 (Other Codes) (NR)

Indicators:

	First Indicator:	"_" - Undefined
	Second Indicator:	"_" - Undefined

New subfield:

	\$v (Legacy materials) (R):	"b" - Correspondence
		"c" - Personal documents / fact files
		"d" - Bequest
		"e" - Collection
		"f" - Work manuscript

Example in outlines:

```
001 1152846299
090 __ $vf$vb
100 1_ $0(DE-588)141915595$0https://d-nb.info/gnd/141915595$0(DE-101)141915595
$aEirich, Frederick R.$d1905-2005$eVerfasser$4aut$2gnd
245 10 $a"Thoughts"
264 _0 $aohne Ortsangabe$c2001-2004
300 __ $a320 Blatt handschriftlich und anderes
490_ 1 $aNachlass Frederick R. Eirich
830 _0 $aNachlass Frederick R. Eirich$w(DE-101)1005070903$9A.02.0011$7tc
```

Note: The above-mentioned records for collections of this type are not usually part of the "Deutsche Nationalbibliografie" data service; however, they are included in the full copies of the German National Library's bibliographic data.

2.3. MARC fields 600 – 655 Subject Added Entry (RWSK Subject Headings) (R): new subfields \$9 (NR)

In the future, subject headings from fields 600 – 655 which are also provided in MARC field 689 as parts of a subject heading sequence will be marked as redundant to field 689 contents. This will

⁷ Resource Cataloguing with Authority Data in Archives and Libraries (RNAB) for personal, family and corporate archives and collections: guideline and rules (2019),
cf. <http://d-nb.info/1186104252>

⁸ <https://www.archivportal-d.de/?lang=en>

⁹ <https://www.dnb.de/EN/standardisierungsausschuss>

help to prevent them from being imported twice. Subfield \$9 with the content "rswk-swf" will be added to fields 600 – 655 in these cases. The Expert Group on Data Formats decided in favour of this solution in June 2020.

600-655 Subject Added Entry (RSWK Subject Headings) (NR)

New subfield:

| \$9 (Tag for RSWK subject heading sequence)(NR): "rswk-swf"

Subfield \$9 will be positioned immediately in front of subfield \$2 (Source of heading or term).

Example in outlines:

```
001 1200380975
245 10 $aMünchner Loipen$bGarmisch, Oberland, Chiemgau, Tirol - die schönsten Langlaufgebiete
      : 72 Loipen zwischen München und Kitzbühel, Tutzing und Traunstein, Lermoos und
      Winklmoos$cGerhard Hirtreiter, Christian Rauch
650 _7 $0(DE-588)4055233-0$0https://d-nb.info/gnd/4055233-0
      $0(DE-101)040552330$aSkilanglauf$9rswk-swf$2gnd
651 _7 $0(DE-588)4042884-9$0https://d-nb.info/gnd/4042884-9
      $0(DE-101)040428842$aRegierungsbezirk Oberbayern$9rswk-swf$2gnd
651 _7 $0(DE-588)4060207-2$0https://d-nb.info/gnd/4060207-2
      $0(DE-101)040602079$aTirol$9rswk-swf$2gnd
655 _7 $0(DE-588)4155569-7$0https://d-nb.info/gnd/4155569-7
      $0(DE-101)041555694$aFührer$2gnd-content
689 00 $0(DE-588)4042884-9$0https://d-nb.info/gnd/4042884-9
      $0(DE-101)040428842$Dg$aRegierungsbezirk Oberbayern
689 01 $0(DE-588)4060207-2$0https://d-nb.info/gnd/4060207-2
      $0(DE-101)040602079$Dg$aTirol
689 02 $0(DE-588)4055233-0$0https://d-nb.info/gnd/4055233-0
      $0(DE-101)040552330$Ds$aSkilanglauf
689 0_ $5DE-101$5DE-101
```

3. Other information

Bibliographic data:

| MARC field 084 (Other Classification Number) (R): Information on other classification numbers from external data was previously only delivered for ZDB records. This restriction doesn't apply any longer. These numbers are also exported as appropriate if the source field in DNB data is present.

Example in outlines:

```
001 1199295795
084 __ $aBF175.5.P75$2lcc
084 __ $a155.9/3$2ddc 23
100 1_ $0(DE-588)120746689$0https://d-nb.info/gnd/120746689
      $0(DE-101)120746689$aWeiß, Heinz$d1955-$eVerfasser$4aut$2gnd
240 10 $aTrauma, Schuldgefühl und Wiedergutmachung
245 10 $aTrauma, guilt and reparation$bthe path from impasse to development
      $cHeinz Weiss ; translated by Dr Ursula Haug
```

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.

A sample file containing the notified changes can be found at

<https://data.dnb.de/testdat/> under file name "TitelTestRelease2021_01" from mid-November.

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 mid-March 2021.

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

For the next-but-one release in mid-June 2021, the following changes are being planned:

Bibliographic data:

- | According to a resolution passed by the Cooperative Network Applications Working Group (AG KVA)¹⁰, MARC field 653 (Index Term – Uncontrolled) will be supplemented by field 688 for use in the ZETA format employed by the German Union Catalogue of Serials (ZDB). In the future, a distinction will be made here between MARC field 653 and MARC field 688 (Subject Added Entry – Type of Entity Unspecified), which was added in 2019, as the target field during conversion. Field 688 will be introduced for this purpose.
- | Information on the place of creation and the place of addresses of resources are to be depicted in MARC in order to improve the exchange of the metadata of the German Exile Archive 1933–1945. The entry of information in MARC fields 751 (Added Entry – Geographic Name) (R) or in fields 370 (Associated Place) (R) is currently under consideration.
- | Identical subject headings from areas 600-655 can be components of multiple subject heading sequences. It is currently being determined whether these multiple occurrences could be reduced to just one. This will not affect the conversion of field 689.
- | As a rule, the metadata for articles contains two occurrences of MARC field 773 (Host Item Entry), firstly with text information on the host items, and secondly with machine-evaluable tiered information for classifying the articles in the context of the host items. In the future, it will be possible to use the value entered for the first indicator (Note controller) to distinguish between these two fields. A subfield \$g (Related parts) will also be used to improve the readability of the machine data, while a subfield \$7 will be used to specify the type of host item.

¹⁰ <https://www.dnb.de/standardisationcommittees>

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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