German National Library
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8 March 2021

Metadata services: changes in MARC 21 format for bibliographic data from 8 June 2021 (Export Release 2021.02)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2021.02 of the MARC 21 format for bibliographic data.

1. Schedule

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, 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:

      | 08 – 19 March 2021

Please send any feedback (including examples) by 19 March 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

1.1. Productive use

The changes will apply from:

> | 8 June 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. MARC field 084 (Other classification number) (R): New subfield $0 (Authority record control number or standard number) (R)

Based on a decision made by the Arbeitsgruppe Kooperative Verbundanwendungen of the Consortium of Library Networks (AG KVA)[2], the MARC field 084 is being expanded with the subfield $0 (IDN des Normdatensatzes oder Standardnummer). In the future, URIs for information on classification systems can be recorded in Pica field 5450 $u within the German Union Catalogue of Serials (ZDB). This information is transported in MARC format to the new subfield $0 (Authority record control number or standard number).

MARC-Feld 084 (Other classification number) (R)

> | $0 (Authority record control number or standard number) (R):   Authority record control number or other Control number or Uniform Resource Identifier (URI)

Example in outlines:

001 019434146
016 7_ $2DE-101$a019434146
016 7_ $2DE-600$a1449785-2
035 __ $a(DE-599)ZDB1449785-2
040 __ $a9001$bger$cDE-101$d9001
041 __ $ager
044 __ $cXA-DE
082 74 $a700$qDE-600$222sdnb
084 __ $aZirkus$0https://nwbib.de/subjects#N808000$2nwbib
245 00 $aZirkus-Träume

2.2. MARC fields 653 and 688: Descriptors from external data

2.2.1. New MARC field 688 (Subject added entry - type of entity unspecified) (R)

Information on descriptors from external data is to be exported in a more comprehensive and differentiated form using the MARC 21 format. Based on a decision made by the AG KVA[3], the requisite format expansions will be undertaken in the cataloguing format of the German Union Catalogue of Serials (ZDB). In some cases, the content will be delivered in the existing MARC field 653 (Index Term – Uncontrolled). A new MARC field will be introduced with MARC field 688 (Subject added entry – type of entity unspecified), to which the identifier and its descriptor is transported.

MARC field 688 (Subject added entry - type of entity unspecified) (R)

	First Indicator (Undefined):	"_" – Undefined (=default)
	Second Indicator (Source of name, title, or term):	"_" – No information provided (=default)
		"7" - Source specified in subfield $2

Subfields:

	$a (Name, title, or term) (NR):	Descriptor from external data
	$0 (Authority record control numberor standard number) (R):	Control number or Uniform Resource Identifier (URI)
	$2 (Source of name, title, or term) (NR):	Name of the thesaurus

Example in outlines:

```
001 1192526589
007 cr|||||||||||||
008 190809c20199999gw z||m|o ||| 0||||1ger c
015 __ $a20,O02$2dnb
016 7_ $2DE-101$a1192526589
016 7_ $2DE-600$a2981046-2
035 __ $a(DE-599)ZDB2981046-2
082 74 $82\p$a050$qDE-101$223sdnb
083 7_ $a050$qDE-600$223sdnb
222 0_ $aLoSAM working papers
245 00 $aLoSAM working papers$cDFG Forschungsgruppe 2757, Lokale Selbstregelungen im
       Kontext schwacher Staatlichkeit in Antike und Moderne
264 31 $aWürzburg$bDFG-Forschungsgruppe 2757 (LoSAM)$c2019-
653 __ $a(GND)Europäisches Patentübereinkommen
655 _7 $0(DE-588)4179998-7$0https://d-nb.info/gnd/4179998-7
       $0(DE-101)041799984$aMonografische Reihe$2gnd-content
688 _7 $0(DE-2581)TH000002977$aTerentius Afer$2gbd
```

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[3] https://www.dnb.de/standardisationcommittees

2.2.2. MARC field 653 (Index term – uncontrolled) (R)

In addition to the changes described in Chapter 2.2.1, adaptations have been made in this context to MARC field 653. If the entity type of the descriptors can be clearly determined, the existing MARC field 653 (Index Term – Uncontrolled) is used and the respective entity types are now indicated by the corresponding information in the second indicator position.

Descriptors from external data that cannot be further determined via an identifier or entity type are delivered without this specific information in MARC field 653 as before (the second indicator then has the value blank).

MARC field 653 (Index term – uncontrolled) (R)

| First Indicator (Level of index term): | "_" - No information provided (= default)
| | "0" - No level specified
| | "1" - Primary
| | "2" - Secondary
| Second Indicator (Type of term or name): | "_" - No information provided (= default)
| | "0" - Topical term
| | "1" - Personal name
| | "2" - Corporate name
| | "3" - Meeting name
| | "4" - Chronological term
| | "5" - Geographic name
| | "6" - Genre/form term

Subfields:

| $a (Uncontrolled term) (R): | Descriptors from a thesaurus; where available, The source is placed at the front in round brackets "
| $8 (Field link and sequence number) (R): | Numerical code for the internal link "\p" (link type "Metadata provenance")

Example in outlines:

```
001 1208220780
035 __ $a(DE-599)DNB1208220780
082 04 $81\u$a940.54213155$qDE-101$223/ger
083 7_ $83\p$a940$a914.3$a943$qDE-101$223sdnb
083 0_ $82\u$a943.1550864$qDE-101$223/ger
084 __ $aD757.9.B4 M336 2019$2lcc
085 __ $81\u$b940.5421
085 __ $81\u$z2$s43155
085 __ $82\u$b943.0864
085 __ $82\u$z2$s43155
100 1_ $0(DE-588)1216342261$0https://d-nb.info/gnd/1216342261
       $0(DE-101)1216342261$aMcCormack, David$d1964-$eVerfasser$4aut$2gnd
245 10 $a<NSB>The<NSE> Battle of Berlin$cDavid McCormack
264 1_ $aStroud$bFonthill$c[2019]
650 7_ $0(DE-588)4213094-3$0https://d-nb.info/gnd/4213094-3
       $0(DE-101)042130948$aBerlin$g1945$xEroberung$9rswk-swf$2gnd
650 7_ $0(DE-588)4165713-5$0https://d-nb.info/gnd/4165713-5
```

$0(DE-101)041657136$aKriegsschauplatz$9rswk-swf$2gnd
650 7_ $0(DE-588)4120448-7$0https://d-nb.info/gnd/4120448-7
$0(DE-101)041204484$aHistorische Stätte$9rswk-swf$2gnd
653 __ $a(fast)World War (1939-1945)
653 __ $a(fast)Battle of Berlin--(Berlin, Germany : 1945)
653 _4 $a(fast)1939-1945
653 _0 $a(lcsh)Berlin, Battle of, Berlin, Germany, 1945.
653 _0 $a(lcsh)World War, 1939-1945--Battlefields--Germany--Guidebooks.
653 _0 $a(fast)Battlefields.
653 _5 $a(fast)Germany.
653 _5 $a(fast)Germany--Berlin.
653 _6 $a(fast)Guidebooks
655 _7 $0(DE-588)4155569-7$0https://d-nb.info/gnd/4155569-7
$0(DE-101)041555694$aFührer$2gnd-content

2.3. MARC field 773 (Host item entry) (R): New value for the first indicator and new subfield $g

As a rule, the metadata for articles as well as individual issues[4] of periodical online resources[5] contain 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 future, it will be possible to use the value entered for the first indicator (Note controller) to distinguish between these two fields. The MARC field 773 with the 1st indicator "0" (display footnote) contains the text information in readable format, and the MARC field 773 with the 1st indicator "1" (don't display footnote) contains the machine-evaluable tiered information in the subfield $g.

MARC field 773 (Host item entry) (R)

| First Indicator (Note controller):   "0" – Display note
                                        "1" – Do not display note

| Second Indicator
(Display constant controller)   "8" - No display constant generated

New structure of subfield $g:

| $g (Related parts) (R):   All differentiated information on the source
                             is inserted in a MARC field 773, including a subfield
                             $g with the combined, readable form of the tiering
                             information.
                             In addition a field 773 is delivered with the machine-
                             evaluable information in individual subfields $g, each
                             of which is given a label.

| For additional subfields, cf. MARC fields 773 and 770 in the field description.

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[4] As a rule, such data records are not delivered within the metadata service for the series of the Deutsche Nationalbibliografie (German National Bibliography). However, the records can be accessed via the data interfaces (data shop, SRU, OAI-PMH) and are contained in the full copies.

[5] Physically available issues generally don't contain a subfield $g; the MARC field 773 is only delivered once

Example of the future delivery of field 773:

773 **0**8 $iEnthalten in$tDialog mit Bibliotheken$dLeipzig ; Frankfurt, M. : Dt. Nationalbibliothek, 1989**-$g30, Heft 1 (2018), 19-23**$w(DE-101)015335631$w(DE-600)1000018-5 $x0936-1138
773 **1**8 $7|||s**$gvolume:30$gnumber:1$gyear:2018$gpages:19-23**

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/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_02".

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 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 the end of June 2021.

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

For the next-but-one release in the end of September 2021, the following changes are being planned:

Bibliographic data:

| In the MARC-Release 2021.01, a first attempt was made to map information on open access and licences in the bibliographic metadata in MARC 21. After gaining some initial experience, necessary amendments are now to be implemented.
| 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.
| MARC field 856 (Electronic Location and Access), (R): With update 31 to the MARC documentation, several subfields in field 856 are no longer valid ("obsolete"). The export of the bibliographic data will be adapted accordingly. More background information is available in the corresponding MARC proposal and the current format documentation of the Library of Congress.

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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