German National Library
Adickesallee 1
60322 Frankfurt am Main

12 June 2017

Data Service: Changes in MARC 21 format for bibliographic data from 12 September 2017 (Export Release 2017.03)

Dear Sir or Madam

We would like to draw your attention to the Export Release 2017.03 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 review[1]. 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 2017.03 release, the external test phase is:

| 12 June − 23 June 2017

Please send any feedback on errors and abnormalities (including examples) by 23 June 2017 to datendienste@dnb.de.

1.2. Productive use

The changes will apply from:

| 12 September 2017
(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

---

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

2.1. MARC field 246 (Varying form of title) (R), new second indicator "1"

Parallel title: in addition to delivery in MARC field 245 (Title statement) subfield $b or $c, in each case preceded by "=", this information is now also given in MARC field 246 (Varying form of title) by the new second indicator "1" (parallel title).

MARC field 246 (Varying Form of Title)

	Indicator 1:	"0" — Note, no added entry
		"1" — Note, added entry
		"3" — No note, added entry
	Indicator 2:	"_" — No type specified
		"0" — Portion of title
		"1" — Parallel title
		"3" — Other title
		"9" — Preferred title

Example:
245 00 $aDistrict heating$b= Fernwärme = Chauffage urbain : international$cArbeitsgemeinschaft
        Fernwärme e.V. bei der VDEW
246 11 $aFernwärme
246 11 $aChauffage urbain

2.2. General revision of the field links and delivery for first time of the new code "u" (General linking, type unspecified)

In introducing the new code "u" (General linking, type unspecified) published in Update 23[3] of the "Format change list", the use of subfield $8 has been fundamentally revised and adapted. There is a continuous numbering system for all types of linking, i.e. "\x", "\p" or "\u". $8 is always the first subfield.
The following MARC fields are affected: 082/083/085 (DDC classes), 336/337/338 (Content type, Media type, Carrier type), 363 (Normalized date and sequential designation), 883 (Machine-generated Metadata Provenance) and the new fields 6XX (Subject access fields, cf. 2.3).

The code "u" (General linking, type unspecified) for the type of linking is delivered for the first time. Code "x" is only used now in MARC field 363.

---

[3] http://www.loc.gov/marc/up23bibliographic/bdapndxg.html

2.3. MARC fields 6XX (Subject access fields): first-time delivery of machine-generated subject headings and note on existing provenance information in the linked MARC field 883 (R)

Machine-generated subject headings are also being delivered for the first time in the MARC fields 6XX for subject access fields[4]. Depending on the entity of the associated GND subject heading, the 6XX fields are used as follows:

| Tp (Person) or Tn (Personal name, not individualised): 600 (Subject added entry - Personal name)
| Tb (Corporation): 610 (Subject added entry - Corporate name)
| Tf (Conference): 611 (Subject added entry - Conference name)
| Tu (Work): 630 (Subject added entry - Uniform title)
| Ts (Subject term): 650 (Subject added entry - Topical term)
| Tg (Geographic entry): 610, if territorial authority, otherwise 651 (Subject added entry - Geographic name)

Notes on available provenance information in the linked MARC field 883 (Machine-generated metadata provenance) are provided in subfield $8. Subfield $8 (Field link and sequence number) contains a sequence number for the internal link, e.g. "1\p" (link type "metadata provenance"). A continuous numbering system is used for all types of link, i.e. "\x", "\p" or "\u". $8 is always the first subfield.

Use in **MARC field 883** (Machine-generated Metadata Provenance) (R):

| Indicator 1:
"0" - Fully machine-generated
| Indicator 2:
"_" — Undefined
| Subfields:
$a Generation process (NR) - "machine-generated"
$c Confidence value (NR)- "1,000" - "0.000"
$d Generation date (NR) - "YYYYMMDD"
$q Generation agency (NR) - "DE-101"
$8 Field link and sequence number (R) - "\p" (e.g. "1\p")

---

[4] http://www.dnb.de/EN/Erwerbung/Inhaltserschliessung/grundzuege InhaltserschliessungMai2017.html

Example:
001 1126556734
650 _7 $81\p$0(DE-588)4221575-4$0http://d-nb.info/gnd/4221575-4
        $0(DE-101)042215757$aPlasmopara viticola$2gnd
650 _7 $82\p$0(DE-588)4076388-2$0http://d-nb.info/gnd/4076388-2
        $0(DE-101)040763889$aProteine$2gnd
650 _7 $83\p$0(DE-588)4314783-5$0http://d-nb.info/gnd/4314783-5
        $0(DE-101)043147836$aFalscher Mehltau$2gnd
883 0_ $81\p$amaschinell gebildet$c0,054$d20170301$qDE-101
883 0_ $82\p$amaschinell gebildet$c0,009$d20170301$qDE-101
883 0_ $83\p$amaschinell gebildet$c0,007$d20170301$qDE-101

2.4. Further notes

| Voice recordings: Revision of MARC field 007 (position 00 = "s", sound recording), position 01 will also be issued with the value "d" = for voice recording discs in the future. This is already being issued for musical recording discs.

3. 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
http://datendienst.dnb.de/cgi-bin/mabit.pl?userID=testdat&pass=testdat&cmd=login under file name "TitelTestRelease03_2017".

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

Planned changes in the **next release but one**, scheduled for mid-January 2018, include the following:

Bibliographic data:

| Local MARC field 689 (RSWK subject heading sequence):

  o Adaptation of the logic for subfield $D (Representation of MARC field number) for links to works
  o In practice the 2nd indicator was only delivered up to a maximum value of "5", now it continues up to "9".

| Delivery of machine-generated short notations with corresponding provenance information in the 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 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 Proposal"[5] 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.

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

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

--

Heike Eichenauer
Deutsche Nationalbibliothek
Digitale Dienste
Adickesallee 1
D-60322 Frankfurt
Telephone: +49-69-1525-1074
Telefax: +49-69-1525-1636
mailto:h.eichenauer@dnb.de
http://www.dnb.de

---

[5] http://www.loc.gov/marc/mac/2017/2017-08.html