DEUTSCHE NATIONAL BIBLIOTHEK

German National Library
Adickesallee 1
60322 Frankfurt am Main

11 July 2017

Data Service: Changes in the RDF format from 12 September 2017 (Export Release 03/2017)

1. Release schedule

Dear Sir or Madam

As part of the scheduled export format release planning[1] of the German National Library (DNB), the next changes in the conversion and the data modelling will take place on 12 September 2017. (There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 noon on the day of the technical changeover.)

2. Linked Data Service - General

Mirroring the schedule of the export releases, updated full copies of the Integrated Authority File (GND[2]) and the bibliographic data of the DNB will be made available for downloading in the RDF/XML, Turtle and JSON-LD serialisation forms in February, June and October[3]. The full copies of the bibliographic data of the German Union Catalogue of Serials (ZDB) are updated each March and September.

3. GND conversion changes

| Correction: Obsolete GND URIs are given as a literal with the property "dnbt:deprecatedUri[4]". In the previous implementation this resulted in duplicate entries and in some cases incorrect information (e.g. URIs which never existed). This issue has been resolved.

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[1] https://wiki.dnb.de/x/wgcbBQ
[2] http://www.dnb.de/EN/gnd
[3] https://data.dnb.de/opendata/
[4] http://d-nb.info/standards/elementset/dnb#deprecatedUri

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Examples in the test data:
http://d-nb.info/gnd/1059428296
http://d-nb.info/gnd/1260548538
http://d-nb.info/gnd/1260547868

| Revision: The Scopus Author Identifier[5] is used for persons to make an owl:sameAs reference to a URI of type https://www.scopus.com/authid/detail.uri?authorId=<ID> which leads to the Scopus author profile. There are Scopus author identifiers in approximately 250 GND entities at present.
(Examples in the test data: http://d-nb.info/gnd/1011760711, http://d-nb.info/gnd/132472163)

| Revision: GND entities that are pseudonyms can refer to parallel GND entities that represent the real person behind the pseudonym. This relationship is now represented using the property "gndo:realIdentity[6]".
(Examples in the test data: http://d-nb.info/gnd/101835574, http://d-nb.info/gnd/104634057)

4. Changes in the conversion of the bibliographic data of the German National Library and the German Union Catalogue of Serials

| Revision: Alternative forms of the title of a publication, which can serve as additional search possibilities or were created during the cataloguing, are issued using the property "dcterms:alternative[7]".
Examples in the test data:
http://d-nb.info/20025393X
http://d-nb.info/200291521
http://d-nb.info/209106174
http://d-nb.info/202626539
http://ld.zdb-services.de/resource/19-x
http://ld.zdb-services.de/resource/60-7
http://ld.zdb-services.de/resource/242-2

| Revision: the property "rdau:P60470[8]" (has note on resource) provides the following additional information in literal form (free text):
  o Recording note (in the future for music publications; use of information from the original; information in German.)
     (Example in the test file: http://d-nb.info/202784878)
  o German translation of the title of the publication [translation added as part of the cataloguing by the expert staff. Often introduced by "transl.:". This mainly applies to bibliographic data from the German Union Catalogue of Serials (ZDB).]
     (Example in the test file: http://ld.zdb-services.de/resource/775-4)

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[5] https://www.scopus.com/
[6] http://d-nb.info/standards/elementset/gnd#realIdentity
[7] http://purl.org/dc/terms/alternative
[8] http://rdaregistry.info/Elements/u/P60470

- General comments (concerns the note "German content")
  (Examples in the test data: http://d-nb.info/200110969
  http://d-nb.info/204326273, http://ld.zdb-services.de/resource/128043-0)

| Revision: For audiovisual material, the length of the recording is given using the property "ebucore:duration[9]". The information is usually given in minutes, and includes the unit "min", e.g. "163 min"
(Example in the test file: http://d-nb.info/1076644546)

| Revision: The physical dimensions of a resource are given using the property "rdau:P60539[10]" (has dimensions) as literal (datatype xsd:string)
(Examples in the test data: http://d-nb.info/1076630901,
http://ld.zdb-services.de/resource/459-5)

| Revision: The free text content information is provided in the property "dcterms:description[11]" (e.g. for track lists on sound recordings)
(Examples in the test data: http://d-nb.info/1030353263,
http://d-nb.info/1069090484)

| Revision: The editorial responsibility information issued as on the item (literal) is given using the property "rdau:P60327[12]". This information is provided in addition to the links to GND entities with "dcterms:creator" and shows the name as it appears in the publication.
(Examples in the test data:http://d-nb.info/1076630901,
http://d-nb.info/200001124, http://ld.zdb-services.de/resource/7-3)

| Revision: The owl:sameAs references for ZDB resources previously allocated to the parallel resources of the linked open data offerings of the Hochschulbibliothekszentrum of NRW[13](hbz) are no longer issued. This has been decided in consultation with the hbz, which has chosen to discontinue issuing its own URIs with integrated ZDB ID in preference of the URIs minted by the issuing institution, ZDB, itself.
(Examples in the test data: http://ld.zdb-services.de/resource/345926-3,
http://ld.zdb-services.de/resource/7013-0)

| Revision: The following new properties have been introduced to represent further relations between and within DNB and ZDB resources:
- Description of   rdau:P60190
- Analysis of   rdau:P60239
- Commentary on   rdau:P60298
- Critique of   rdau:P60292
- Evaluation of   rdau:P60255
- Review of   rdau:P60288
- Described in   rdau:P60215
- Analysed in   rdau:P60219
- Commentary in   rdau:P60213

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[9] http://www.ebu.ch/metadata/ontologies/ebucore/ebucore#duration
[10] http://rdaregistry.info/Elements/u/P60539
[11] http://purl.org/dc/terms/description
[12] http://rdaregistry.info/Elements/u/P60327
[13] http://lobid.org/resource/

- Critiqued in   rdau:P60212
- Evaluated in   rdau:P60218
- Reviewed in   rdau:P60211

(Examples in the test data: http://d-nb.info/1123652996, http://ld.zdb-services.de/resource/208155-6)

| Revision: The edition of a publication is transported using the property "bibo:edition[14]". If the edition note also includes a responsibility statement, both pieces of information are additionally issued using the property "rdau:P60329[15]" ("has edition statement") (format: edition/responsibility note).
(Examples in the test data: http://d-nb.info/200000047, http://d-nb.info/200157116, http://ld.zdb-services.de/resource/401302-5, http://ld.zdb-services.de/resource/2838054-X)

| Revision: The DDC subject classes[16] of the Deutsche Nationalbibliografie are issued as literals of data type "dnbt:ddc-subject-category[17]" using the property "dc:subject[18]". Here only intellectually assigned subject classes are initially being considered and there is no differentiation between primary and secondary classes.
The Linked Data Service suspended the issue of subject classes in the past, as it was intended to integrate them in "dewey.info". This proposal has since been abandoned, which is why the literal of the subject class(es) is now given instead.
(Examples in the test data: http://d-nb.info/361103255, http://d-nb.info/361103255, http://d-nb.info/457047534, http://d-nb.info/457047534,http://d-nb.info/200656465, http://ld.zdb-services.de/resource/919161-6)

| Improvement: As a temporary flaw it was possible that no year was issued in the statements of publication, production or distribution information (rdau:P60330, rdau:P60331, rdau:P60333). This has been corrected and all years are now being issued. The standard format of a release date therefore corresponds to the ISBD[19] tradition: Place_: _ Publisher, _year in template form.
(Examples in the test data: http://d-nb.info/1076924786, http://d-nb.info/1070397903, http://d-nb.info/1060397994, http://d-nb.info/200002708, http://d-nb.info/1079428836)

5. Changes in the conversion of address data[20]

| Revision: The property "schema:openingHoursSpecification[21]" provides information on opening times. This is done in a "schema.org-compliant" manner within a blank node of type "schema:OpeningHoursSpecifications[22]". This includes the actual opening

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[14] http://purl.org/ontology/bibo/edition
[15] http://rdaregistry.info/Elements/u/P60329
[16] http://www.dnb.de/nationalbibliografiestructure
[17] http://d-nb.info/standards/elementset/dnb#ddc-subject-category
[18] http://purl.org/dc/elements/1.1/subject
[19] https://www.ifla.org/publications/international-standard-bibliographic-description
[20] http://sigel.staatsbibliothek-berlin.de/suche/linked-data-service/
[21] http://schema.org/openingHoursSpecification
[22] http://schema.org/OpeningHoursSpecification

times (free text, property "rdfs:comment[23]") and, where applicable, a note (free text, property "schema:description[24]")
(Examples in the test data:
http://ld.zdb-services.de/resource/organisations/DE-2112,
http://ld.zdb-services.de/resource/organisations/DE-2328,
http://ld.zdb-services.de/resource/organisations/DE-523)

6. Sample files and other information

The following sample files, including the announced changes, can be retrieved in the serialisation forms RDF/XML, Turtle and JSON from https://data.dnb.de/opendata/:

| "GNDTestRelease03_2017..." for GND authority data
| "DNBTitelTestRelease03_2017..." for DNB bibliographic data
| "ZDBTitelTestRelease03_2017..." for ZDB bibliographic data
| "BIBTestRelease03_2017..." for the address file

Please bear in mind that the RDF resources in these files originate from records catalogued according to RDA, from records containing RDA elements (mixed records) as well as from pure legacy data without RDA elements in order to document specific circumstances clearly.

Information on the Linked-Data-Service of the German National Library can be obtained on our website[25].

Please do not hesitate to contact us should you have any questions.

Yours faithfully,
on behalf of Deutsche Nationalbibliothek (German National Library)

Heike Eichenauer (Digital Services)
and Jana Hentschke (Information Infrastructure)

Tel: +49-69-1525-1074
Fax: +49-69-1525-1636
e-mail: h.eichenauer@dnb.de
http://www.dnb.de

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[23] http://www.w3.org/2000/01/rdf-schema#comment
[24] http://schema.org/description
[25] http://www.dnb.de/EN/lds