

15 June 2016

Data Service: Changes in the RDF format from 13 September 2016 (Export Release 03/2016)

1. Release schedule

Dear Sir or Madam

As part of the scheduled export format release planning¹ of the German National Library (DNB), the next changes in the conversion and the data modelling will take place on 13 September 2016. (There may be disruptions to the interfaces and the Data Shop between 08:00 and 12:00 a. m. 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) 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 October².

A significant improvement over the deliveries provided to date is that validation during generation of the RDF data now prevents triples from being delivered with invalid URIs in the object position. This occurred occasionally in RDF data in the past.

3. GND conversion changes

- | Improvement: "gndo:MeansOfTransportWithIndividualName"³ will be used in the future instead of the class "gndo:MeansOfTransportWithIndividual_name"⁴. This sees the introduction of a change to the GND Ontology from Release 02/2015 in the RDF data (see the relevant notification⁵).

¹ <https://wiki.dnb.de/x/wgcbBO>

² <http://datendienst.dnb.de/cgi-bin/mabit.pl?userID=opendata&pass=opendata&cmd=login>

³ <http://d-nb.info/standards/elementset/gnd#MeansOfTransportWithIndividualName>

⁴ http://d-nb.info/standards/elementset/gnd#MeansOfTransportWithIndividual_name

⁵ http://www.dnb.de/SharedDocs/Downloads/EN/DNB/service/rundschreiben20150520_AenderungenFormatRdfxml.pdf

Examples in the test file:

<http://d-nb.info/gnd/4121777-9/about/rdf>,

<http://d-nb.info/gnd/4063049-3/about/rdf>,

<http://d-nb.info/gnd/4104347-9/about/rdf>,

<http://d-nb.info/gnd/4156626-9/about/rdf>

- | Improvement: The property "gndo:nameAddition"⁶ will be used in the future instead of the properties "gndo:addition"⁷ and "gndo:epithetGenericNameTitleOrTerritory"⁸ for entities of the class "gndo:NameOfThePerson".

Examples in the test file:

<http://d-nb.info/gnd/128936274>, <http://d-nb.info/gnd/136723934>,

<http://d-nb.info/gnd/100005985>, <http://d-nb.info/gnd/100079695>

- | Correction: The previous practice of issuing the class "gndo:Pseudonym"⁹ for person-related records is being discontinued for the time being. It is currently not possible to distinguish in all data whether the information only refers to one name form or the whole entity. The aim is to use the class again in the future once the data basis has been clarified.

Examples in the test file:

<http://d-nb.info/gnd/100007694>, <http://d-nb.info/gnd/103144994>,

<http://d-nb.info/gnd/104530138>, <http://d-nb.info/gnd/104130881>

4. Bibliographic data conversion changes

- | Correction: The "owl:sameAs" relationship to the corresponding DNB resource (see relevant change notification¹⁰) has been generated for ZDB resources since 12 January 2016. Erroneously, this has so far been applied to all ZDB resources. In future, this statement will only be generated for titles which are part of the DNB holdings.

Examples in the test file with relationship:

<http://d-nb.info/367997878>, <http://d-nb.info/369321065>

Examples in the test file without relationship:

<http://d-nb.info/1080305726> , <http://d-nb.info/1081388994>,

<http://d-nb.info/1011252457>

- | Correction: The OCLC numbers conveyed using the property "dc:identifier" were previously erroneously introduced by the code "OColc". As of this release, the MARC Organization Code¹¹ for OCLC is used in the correct upper and lowercase letters: "OCOLC".

⁶ <http://d-nb.info/standards/elementset/gnd#nameAddition>

⁷ <http://d-nb.info/standards/elementset/gnd#nameAddition>

⁸ <http://d-nb.info/standards/elementset/gnd#epithetGenericNameTitleOrTerritory>

⁹ <http://d-nb.info/standards/elementset/gnd#Pseudonym>

¹⁰ http://www.dnb.de/SharedDocs/Downloads/EN/DNB/service/rundschreiben20151014_AenderungenMarc21TiteldatenExportRelease20161EN.pdf

¹¹ <https://www.loc.gov/marc/organizations/>

Examples:

<http://ld.zdb-services.de/resource/7-3>

dc:identifier "(DE-101)01000002X", "(DE-600)7-3", "(OCoLC)224540449"

<http://d-nb.info/200003208>

dc:identifier "(DE-101)200003208", "(OCoLC)717551822"

Examples in the test file:

<http://d-nb.info/200003208>, <http://d-nb.info/480315191>,

<http://ld.zdb-services.de/resource/7-3>, <http://ld.zdb-services.de/resource/1103210-8>

5. 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 <http://datendienst.dnb.de/cgi-bin/mabit.pl?userID=testdat&pass=testdat&cmd=login>:

"GNDTitelTestRelease03_2016..." for GND authority data

"DNBTitelTestRelease03_2016..." for DNB bibliographic data

"ZDBTitelTestRelease03_2016..." for ZDB bibliographic data

Information on the Linked Data Service of the German National Library can be found on our website at <http://www.dnb.de/EN/lds>.

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

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