BIBFRAME Profiles

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Library of Congress

DCMI 2017
BIBFRAME Profiles

BIBFRAME Profiles: Introduction and Specification
(https://www.loc.gov/bibframe/docs/bibframe-profiles.html)

Profiles contain:
• Resources templates
• Property templates w/ Value Constraints
• stored as JSON
BIBFRAME Profiles

- Different catalogers have different needs
  - Cartographic catalogers always create a new work
  - Rare book catalogers need more specific item-level information
  - Music catalogers are focused on relationships between existing works
- BIBFRAME Profiles are used to customize the editor form
LC BIBFRAME Pilot

- 40 catalogers from BIBFRAME 1.0 pilot continued participation, and 20 new catalogers and technicians joined the BIBFRAME 2.0 pilot
- Training for new and continuing participants from May-July
- Catalogers started to enter metadata in the BIBFRAME editor in June
- Ongoing meetings with catalogers to improve editor profiles
Resource Types

Profiles by:
- formats
- carriers
- other (Rare Books)

Developed in BF 1.0, migrated to 2.0

RDA Instructions
### BIBFRAME Work (RDA Work Elements)

<table>
<thead>
<tr>
<th>Monograph Work</th>
<th>Work Title</th>
<th>Work Title Variation</th>
<th>Transcribed Title</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Form of Work</th>
<th>Date of Work (RDA 6.4)</th>
<th>Place Associated with a Resource</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Nature of Content (RDA 7.2)</th>
<th>(Geographic) Coverage of the Content (RDA 7.3)</th>
<th>(Time) Coverage of the Content (RDA 7.3)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Intended Audience</th>
<th>Other Agent Associated with Work (RDA 19.3)</th>
<th>Subject of the Work (RDA Chapter 23)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Notes about the Work</th>
<th>Note</th>
</tr>
</thead>
</table>


Cartographic Work

Changes:
- Work Title Variation removed
- Transcribed Title removed
- Date of Work removed
- Place of Origin of Work removed
- Nature of Content removed
- Coordinates of Cartographic Content included
Notated Music Work
## Monograph Item

### Standard Profile

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
<th>Add/Remove Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding for</td>
<td>Holding for</td>
<td>+</td>
</tr>
<tr>
<td>Held by</td>
<td>Held by</td>
<td>+</td>
</tr>
<tr>
<td>Electronic location</td>
<td>Electronic location</td>
<td>+</td>
</tr>
<tr>
<td>Held in sublocation</td>
<td>Held in sublocation</td>
<td>+</td>
</tr>
<tr>
<td>Barcode</td>
<td>Barcode</td>
<td></td>
</tr>
<tr>
<td>Circulation status</td>
<td>Circulation status</td>
<td>+</td>
</tr>
<tr>
<td>Notes about the item</td>
<td>Note</td>
<td></td>
</tr>
<tr>
<td>Shelf Location</td>
<td>Shelf Location</td>
<td>+</td>
</tr>
<tr>
<td>Lending, Reproduction, and Retention Policies</td>
<td>Usage and Access Policy</td>
<td>+</td>
</tr>
<tr>
<td>LCC call number</td>
<td>LCC call number</td>
<td>+</td>
</tr>
<tr>
<td>DDC call number</td>
<td>DDC call number</td>
<td>+</td>
</tr>
</tbody>
</table>
Rare Materials
Item Profile

Includes field to add agents at the item level (donor, owner, others)
## Bibframe Editor Workspace

### Entries

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>title</th>
<th>comment</th>
<th>modified</th>
<th>edit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1385</td>
<td>58a932b-355e-4511-bb09-b69a4bf5b59</td>
<td>Token of the heart</td>
<td></td>
<td>10-24-2017 5:43p</td>
<td>Edit</td>
</tr>
<tr>
<td>1366</td>
<td>5e50c0f1-d666-40c6-a976-2d88be675d3d8</td>
<td>Ästhetische Erfahrung</td>
<td>m.collins</td>
<td>10-24-2017 5:51p</td>
<td>Edit</td>
</tr>
<tr>
<td>1387</td>
<td>09c737d4-b143-4667-9e23-be53015a7259</td>
<td>25 Jahre Individualpädagogik</td>
<td>m.collins</td>
<td>10-24-2017 6:00p</td>
<td>Edit</td>
</tr>
<tr>
<td>1368</td>
<td>acf766a0-6d5a-4002-b20e-e5c16c2c5c89</td>
<td>Ethical Pluralism</td>
<td>m.collins</td>
<td>10-24-2017 6:10p</td>
<td>Edit</td>
</tr>
<tr>
<td>1369</td>
<td>243d4467-8054-4eb8-8a65-08f9b66465dd</td>
<td>זע קרוי בירחי</td>
<td>rkoht</td>
<td>10-25-2017 1:32p</td>
<td>Edit</td>
</tr>
<tr>
<td>1391</td>
<td>35ae02bc-4f6c-4d7f-9875-9506415b824</td>
<td>On the rocks</td>
<td></td>
<td>10-25-2017 4:11p</td>
<td>Edit</td>
</tr>
<tr>
<td>1392</td>
<td>2b9a74f-6182-4c57-b1a1-4420d8fd1d6</td>
<td>Waterfalls of the Mississippi</td>
<td></td>
<td>10-25-2017 5:12p</td>
<td>Edit</td>
</tr>
<tr>
<td>1393</td>
<td>a0419514-d27e-4c37-9c38-4d444e65a67</td>
<td>Dismal River</td>
<td></td>
<td>10-25-2017 6:31p</td>
<td>Edit</td>
</tr>
<tr>
<td>1396</td>
<td>81614c2d-8a46-4ed9-9552-0944db8c3902</td>
<td>Was Sherlock Holmes real?</td>
<td>trod</td>
<td>10-26-2017 11:34a</td>
<td>Edit</td>
</tr>
</tbody>
</table>

Showing 1,361 to 1,370 of 1,375 entries

### Other

- **Previous**: 1
- **Next**: 138
Editing BF 2.0 cont.
Contribution in BF 2.0

Role Association Expressed as a Contribution

Property bf:contribution and Class bf:Contribution
The property bf:contribution has expected value a bf:Contribution, which pairs an agent with a specific role.

Example: Role is illustrator, and the association is expressed as a Contribution.

```xml
  <http://bibframe.example.org/resource>  bf:contribution [  
a  bf:Contribution ;  
bf:role <http://id.loc.gov/vocabulary/relators/ill> ;  
bf:role [rdfs:label "illustrator"] ;  
```
Profile Editor - Contribution
Contribution -> Agent

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Guiding statement for the use of this resource</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mandatory</td>
<td>False</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatable</td>
<td>True</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Contribution -> Role

<table>
<thead>
<tr>
<th>Property URI</th>
<th><a href="http://id.loc.gov/ontologies/bibframe/rc">http://id.loc.gov/ontologies/bibframe/rc</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>resource</td>
</tr>
<tr>
<td>Mandatory</td>
<td>False</td>
</tr>
<tr>
<td>Repeatable</td>
<td>True</td>
</tr>
</tbody>
</table>

### Value Constraint

<table>
<thead>
<tr>
<th>Value Language</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Label</td>
<td></td>
</tr>
<tr>
<td>Editable</td>
<td></td>
</tr>
<tr>
<td>Default URI</td>
<td></td>
</tr>
</tbody>
</table>

### Value Data Type

<table>
<thead>
<tr>
<th>URI</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Label Hint</td>
<td></td>
</tr>
<tr>
<td>Remark</td>
<td></td>
</tr>
</tbody>
</table>

### Templates

- profile:bf2:Agent:Role

### Values

- Add Value

### Resources
Editor - Contribution
## Person

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search LCNAF</td>
<td>Search LCNAF</td>
</tr>
<tr>
<td>Preferred Name for Person (RDA 9.2.2)</td>
<td>Preferred Name for Person (RDA 9.2.2)</td>
</tr>
<tr>
<td>Fuller Form of Name (RDA 9.5)</td>
<td>Fuller Form of Name (RDA 9.5)</td>
</tr>
<tr>
<td>Other Identifying Attributes (RDA 9.6.9.11)</td>
<td>Other Identifying Attributes</td>
</tr>
<tr>
<td>Address of Person (RDA 9.12)</td>
<td>Addresses, Addresses, Extended</td>
</tr>
<tr>
<td>Biographical Information (RDA 9.17)</td>
<td>Note</td>
</tr>
<tr>
<td>Identifier for the Person (RDA 9.13)</td>
<td>Identifier</td>
</tr>
<tr>
<td>Variant Access Point Representing a Person (RDA 9.19.2)</td>
<td>Variant Access Points Representing Agents</td>
</tr>
<tr>
<td>Related Agents (RDA Chapter 30)</td>
<td>Related Agents</td>
</tr>
<tr>
<td>Source Consulted (RDA 8.12)</td>
<td>Sources Consulted and Cataloger's Notes</td>
</tr>
</tbody>
</table>
Editor - Role

Role

Search MARC relator code

Input RDA relationship designator (if it does not appear above)

Cancel  Save changes
Editor - Contribution

Contribution

Contribution

Agent

Confronco

Role

Illustrator

Cancel  Save changes

<http://id.loc.gov/resources/works/e161177565771122803844659492511247087988> a bf:Work;
  bf:contribution _:b0_b0.
_:b0_b0 a bf:Contribution;
  bf:agent <http://id.loc.gov/authorities/names/n94064763>;
  bf:role <http://id.loc.gov/vocabulary/relators/ill>.
Profile - JSON

{
  "Profile": {
    "id": "profile:bf2:AgentsContribution",
    "title": "BIBFRAME 2.0 Agents Contribution",
    "date": "2017-05-13",
    "description": "Creators and Contributors",
    "contact": "NDMSO",
    "resourceTemplates": [
      {
        "resourceURI": "http://id.loc.gov/ontologies/bibframe/Contribution",
        "id": "profile:bf2:Agents:Contribution",
        "resourceLabel": "Contribution",
        "propertyTemplates": [
          {
            "propertyLabel": "Agent",
            "valueConstraint": {
              "repeatable": "true",
              "useValuesFrom": [],
              "valueTemplateRefs": [
                "profile:bf2:Agent:Person",
                "profile:bf2:Agent:Family",
                "profile:bf2:Agent:CorporateBody",
                "profile:bf2:Agent:Jurisdiction",
                "profile:bf2:Agent:Conference"
              ]
            }
          }
        ]
      }
    ]
  }
}
Profile - JSON

```
{
    "Profile": {
        "id": "profile:bf2:AgentsContribution",
        "title": "BIBFRAME 2.0 Agents Contribution",
        "date": "2017-05-13",
        "description": "Creators and Contributors",
        "contact": "NDMSO",
        "resourceTemplates": [
            {
                "resourceURI": "http://id.loc.gov/ontologies/bibframe/Contribution",
                "id": "profile:bf2:Agents:Contribution",
                "resourceLabel": "Contribution",
                "propertyTemplates": [
                    {
                        "propertyLabel": "Agent",
                        "valueConstraint": {
                            "repeatable": "true",
                            "useValuesFrom": []
                        },
                        "valueTemplateRefs": ["profile:bf2:Agent:Person",
                                              "profile:bf2:Agent:Family",
                                              "profile:bf2:Agent:CorporateBody",
                                              "profile:bf2:Agent:Jurisdiction",
                                              "profile:bf2:Agent:Conference"
                        ]
                    }
                ]
            }
        ]
    }
}
```
{  
"resourceURI": "http://id.loc.gov/ontologies/bibframe/Contribution",
"id": "profile:bf2:Agents:Contribution",
"resourceLabel": "Contribution",
"propertyTemplates": [
  
  {   
    "propertyLabel": "Agent",
    "valueConstraint": {
      "repeatable": "true",
      "useValuesFrom": [],
      "valueTemplateRefs": [
        "profile:bf2:Agent:Person",
        "profile:bf2:Agent:Family",
        "profile:bf2:Agent:CorporateBody",
        "profile:bf2:Agent:Jurisdiction",
        "profile:bf2:Agent:Conference"
      ]
    },
    "propertyURI": "http://id.loc.gov/ontologies/bibframe/agent",
    "type": "resource",
    "mandatory": "false",
    "repeatable": "true",
    "resourceTemplates": []
  }
],
}
Profile - JSON (Cont.)

```json
{
    "resourceURI": "http://id.loc.gov/ontologies/bibframe/Contribution",
    "id": "profile:bf2:Agents:Contribution",
    "resourceLabel": "Contribution",
    "propertyTemplates": [
        {
            "propertyLabel": "Agent",
            "valueConstraint": {
                "repeatable": "true",
                "useValuesFrom": [],
                "valueTemplateRefs": [
                    "profile:bf2:Agent:Person",
                    "profile:bf2:Agent:Family",
                    "profile:bf2:Agent:CorporateBody",
                    "profile:bf2:Agent:Jurisdiction",
                    "profile:bf2:Agent:Conference"
                ]
            },
            "propertyURI": "http://id.loc.gov/ontologies/bibframe/agent",
            "type": "resource",
            "mandatory": "false",
            "repeatable": "true",
            "resourceTemplates": []
        }
    ]
}
```

ResourceId maps to a URI resource

valueTemplateRefs refer to other templates

Property URI

A type (resource, literal or lookup)
Profile - Use Values From

"resourceURI": "http://www.loc.gov/mads/rdf/v1#PersonalName",
"id": "profile:bf2:Agent:Person",
"resourceLabel": "Person",
"propertyTemplates": [
  {
    "propertyLabel": "Search LCNAF",
    "valueConstraint": {
      "repeatable": "false",
      "useValuesFrom": [
        "http://id.loc.gov/authorities/names"
      ],
      "valueTemplateRefs": [],
      "valueDataType": {
        "dataTypeURI": "",
        "valueLanguage": ""
      },
      "propertyURI": "http://www.loc.gov/mads/rdf/v1#PersonalName"
    },
    "type": "lookup",
    "mandatory": "false",
    "repeatable": "true",
    "resourceTemplates": []
  }
],
"useValuesFrom": Enables lookups
Profile - Use Values From

```
"resourceURI": "http://www.loc.gov/mads/rdf/v1#PersonalName",
"id": "profile:bf2:Agent:Person",
"resourceLabel": "Person",
"propertyTemplates": [
{
   "propertyLabel": "Search LCNAF",
   "valueConstraint": {
      "repeatable": "false",
      "useValuesFrom": ["http://id.loc.gov/authorities/names"],
      "valueTemplateRefs": [],
      "valueDataType": {
         "dataTypeURI": "",
      },
      "valueLanguage": ""
   },
   "propertyURI": "http://www.loc.gov/mads/rdf/v1#PersonalName",
   "type": "lookup",
   "mandatory": "false",
   "repeatable": "true",
   "resourceTemplates": []
}
],
```

useValuesFrom Enables lookups
Profile - valueDataType

{ "propertyLabel": "Intended Audience (RDA 7.7)", "propertyURI": "http://id.loc.gov/ontologies/bibframe/intendedAudience", "resourceTemplates": [], "type": "resource", "valueConstraint": { "valueTemplateRefs": [], "useValuesFrom": [ "http://id.loc.gov/vocabulary/maudience" ], "valueDataType": { "dataTypeURI": "http://id.loc.gov/ontologies/bibframe/IntendedAudience" } }, "remark": "http://access.rdatoolkit.org/7.7.html", "mandatory": "false", "repeatable": "true" },

<http://id.loc.gov/resources/works/e27174306197114017442796848108335042193> bf:intendedAudience <http://id.loc.gov/vocabulary/maudience/juv>;
  a bf:Work.

<http://id.loc.gov/vocabulary/maudience/juv> a bf:IntendedAudience;
  rdfs:label "Juvenile"@en.
Profile - RDA Instructions

```
{
    "propertyLabel": "Intended Audience (RDA 7.7)",
    "propertyURI": "http://id.loc.gov/ontologies/bibframe/intendedAudience",
    "resourceTemplates": [],
    "type": "resource",
    "valueConstraint": {
        "valueTemplateRefs": [],
        "useValuesFrom": [
            "http://id.loc.gov/vocabulary/maudience"
        ],
        "valueDataType": {
            "dataTypeURI": "http://id.loc.gov/ontologies/bibframe/IntendedAudience"
        }
    },
    "remark": "http://access.rdatoolkit.org/7.7.html",
    "mandatory": "false",
    "repeatable": "true"
}
```

Label indicates RDA
Remark points to RDA toolkit

[Intended Audience (RDA 7.7)](http://id.loc.gov/resources/works/e271743061971140174442796848108335042193)

`<http://id.loc.gov/resources/works/e271743061971140174442796848108335042193>
bf:intendedAudience <http://id.loc.gov/vocabulary/maudience/juv>;
  a bf:Work.
<http://id.loc.gov/vocabulary/maudience/juv> a bf:IntendedAudience;
  rdfs:label "Juvenile"@en.`
Next steps

Add more Resource Types
Pilot/Cataloger Feedback
LD4P Feedback (VitroLib/Biblioteko)
Ontology Changes?
RDF Solution (Shapes)
Thank You!

LC BIBFRAME website
   http://www.loc.gov/bibframe/

BIBFRAME 2.0 Vocabulary
   http://id.loc.gov/ontologies/bibframe

MARC to BIBFRAME 2.0 Conversion Specifications
   http://www.loc.gov/bibframe/mtbf/

MARC to BIBFRAME 2.0 comparison viewer
   http://id.loc.gov/tools/bibframe/compare

Code Repository:
   https://github.com/lcnetdev/

Conversion Issues:
   https://github.com/lcnetdev/marc2bibframe2//issues

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