

## BIBFRAME 2.0

# Items

DRAFT

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Library of Congress

*This is one of a set of draft specifications for BIBFRAME 2.0. It was developed by the Library of Congress in consultation with invited experts. Comments welcome.*

## 1.0 Approach

BIBFRAME 1.0 defines class `bf:HeldItem`, subclass of `bf:HeldMaterial`, which is a subclass of `bf:Annotation`. Thus a `bf:HeldItem` or `bf:HeldMaterial` is treated as an annotation of a BIBFRAME Instance, by which a holding of that Instance is declared.

## Proposal for 2.0

- `bf:HeldItem` and `bf:HeldMaterial` are replaced by a single class, `bf:Item`.
- `bf:Item` is a core class. (It is not a subclass of `bf:Annotation`.) Thus there will be three core classes: `Work`, `Instance`, and `Item`.
- A `bf:Item` is referred to informally as a *simple item* or a *compound item*. A compound item consists of multiple `Items`, each of which is itself an `Item`. We refer informally to each part of a compound items as a *component*.
- The components of a compound item may be simple or compound.
- Thus, a compound `Item` functionally serves the purpose of what was previously `HeldMaterial`; that is, a compound `Item` may be thought of, informally, as a summary description of several `Items`.
- Properties `bf:hasComponent` and `bf:componentOf` are defined. `bf:hasComponent` is a property of a compound item. It points to the item's components. Property `bf:componentOf` is a property of an item which is a component of a compound item and it points to that compound item.
- Shelfmarks and other `Item` identifiers become subclasses of `bf:Identifier`.

Classes	
Class	SubClass Of
<code>bf:Item</code>	<code>rdf:Resource</code>
<code>bf:UsageAndAccessCondition</code>	<code>rdf:Resource</code>
<code>bf:ShelfMark</code>	<code>bf:Identifier</code>
<code>bf:ShelfMarkDdc</code>	<code>bf:ShelfMark</code>
<code>bf:ShelfMarkLcc</code>	<code>bf:ShelfMark</code>
<code>bf:ShelfMarkNlm</code>	<code>bf:ShelfMark</code>
<code>bf:ShelfMarkUdc</code>	<code>bf:ShelfMark</code>
<code>bf:Barcode</code>	<code>bf:Identifier</code>

Properties		
<i>Property Of</i>	<b>Property</b>	<i>Expected Value</i>
bf:Item	<b>bf:componentOf</b>	bf:Item (see note 1)
bf:Item	<b>bf:hasComponent</b>	bf:Item (see note 2)
bf:Item	<b>bf:hasNote</b>	bf:Note
bf:Item	<b>bf:usageAndAccess</b>	bf:UsageAndAccessCondition (see note 3)
bf:Item	<b>bf:enumerationAndChronology</b>	Literal
bf:Item	<b>bf:electronicLocator</b>	Literal
bf:Item	<b>bf:subLocation</b>	Literal
bf:Item	<b>bf:heldBy</b>	bf:Organization
bf:Item	<b>bf:itemOf</b>	bf:Instance

Notes:

1. The object of bf:componentOf should always be a compound item. Its subject may be a simple or compound item.
2. The object of bf:hasComponent may be a simple or compound item. Its subject should always be a compound item.
3. Class bf: UsageAndAccessCondition covers access conditions, as well as policies including those for lending, reproduction, and retention. Subclasses may be defined for these and other individual types, but none is yet defined.

## Examples

In the following examples, Item 1 is a compound item which is a summary description of its components, simple items 2, 3, and 4. Item 5 is a simple item, not a component; it is an item of an instance which is a digital version corresponding to item 4.

### Item 1 – Compound Item

```
<http://bibframe.example.org/item/item1>
  a                bf:Item ;
  bf:hasComponent  <http://bibframe.example.org/item/item2> ;
  bf:hasComponent  <http://bibframe.example.org/item/item3> ;
  bf:hasComponent  <http://bibframe.example.org/item/item4> ;
  bf:subLocation   "Prints and Photographs Division Washington, D.C. 20540 USA" ;
  bf:hasNote       [a          bf: Note ;
                    rdf:value  "Daguerreotypes collection 1840-1860" ] ;
  bf:usageAndAccess <http://bibframe.example.com/condition/conditionX> ;
  bf:heldBy        <http://id.loc.gov/vocabulary/organizations/dlc> ;
  bf:itemOf        <http://bibframe.example.org/instance/instance0> .
```

**# Item 1 continued**

```
<http://bibframe.example.com/condition/conditionX>
  a          bf:UsageAndAccessCondition ;
  rdfs:label "Copyright and Other Restrictions apply" .
<http://id.loc.gov/vocabulary/organizations/dlc>
  a          bf:Organization ;
  rdfs:label "dlc" .
```

**Item 2 – Simple Item (a component)**

```
<http://bibframe.example.org/item/item2>
  a          bf:Item ;
  bf:identifiedBy [
    a          bf:ShelfMark ;
    rdf:value  "DAG no. 1410" ] ;
  bf:componentOf <http://bibframe.example.org/item/item1> ;
  bf:itemOf    <http://bibframe.example.org/instance/instance1> .
```

**Item 3 – Simple Item (a component)**

```
<http://bibframe.example.org/item/item3>
  a          bf:Item ;
  bf:identifiedBy [
    a          bf:ShelfMark ;
    rdf:value  "DAG no. 1411" ] ;
  bf:componentOf <http://bibframe.example.org/item/item1> ;
  bf:itemOf    <http://bibframe.example.org/instance/instance2> .
```

**Item 4 – Simple Item (a component)**

```
<http://bibframe.example.org/item/item4>
  a          bf:Item ;
  bf:identifiedBy [
    a          bf:ShelfMark ;
    rdf:value  "DAG no. 1412" ] ;
  bf:componentOf <http://bibframe.example.org/item/item1> ;
  bf:itemOf    <http://bibframe.example.org/instance/instance3> .
```

**Item 5 – Simple Item (NOT a component)**

```
<http://bibframe.example.org/item/item5>
  a          bf:Item ;
  bf:electronicLocator "http://hdl.loc.gov/loc.pnp/cph.3g11323" ;
  bf:itemOf    <http://bibframe.example.org/instance/instance4> .
```