

## BIBFRAME 2.0 Identifier Notes

A BIBFRAME Resource may have several identifiers. An Instance may have, for example, an ISBN; a Work might have an ISTC. There are many of these types of identifiers for BIBFRAME resources: 'nbn', 'system number', 'doi', 'ismn', 'issn', 'istc', 'lccn' and more.

Along with the identifier value itself, the identifier type must be conveyed.

### Properties `bf:identifiedBy` and Class `bf:Identifier`

Property `bf:identifiedBy` is used to supply an identifier. Its object is class `bf:Identifier`, or a subclass. For the identifier type, there may or may not be a class defined. If there is a class, it might be a BIBFRAME class or an external class. So there are three cases:

- Identifier type indicated by BIBFRAME class.
- Identifier type indicated by external class.
- No class defined for identifier type.

### Type Indicated by BIBFRAME Class

If there is a BIBFRAME class for the identifier type, that class is defined to be a subclass of `bf:Identifier`, and it is used to indicate the type. In the following example the identifier is an ISBN whose value is "1455502626". Class `bf:Isbn` is a subclass of `bf:Identifier`.

#### Example 1: Identifier type indicated by BIBFRAME class

```
bf:identifiedBy    [ a          bf:Isbn  
                    rdf:value   "9783110413014" ] .
```

### Type Indicated by External Class

If there is no BIBFRAME class but there is an external class for the identifier type, that class may be used to indicate the type.

#### Example 2: Identifier type indicated by external class

In the following example the identifier has (hypothetical) type "ABC", defined in (hypothetical) vocabulary `<http://example.org/vocabulary/identifierTypes>` and thus class `<http://example.org/vocabulary/identifierTypes/ABC>` indicates the type. (Prefix "identifier:" is assumed to be bound to the namespace vocabulary `<http://example.org/vocabulary/identifierTypes>`.)

```
bf:identifiedBy [ a identifier:ABC ;  
                  rdf:value "MX3-387" ] .
```

### No class known for identifier type

For an identifier type for which there is no known class, bf:Identifier is used, and the type is indicated by property bf:source.

### Example 3: No class defined for identifier type

```
bf:identifiedBy [ a bf:Identifier ;  
                  bf:source [rdfs:label "source name here" ] ;  
                  rdf:value "1234567890" ] .
```