



**Danish Broadcasting Corporation**

# **DR Metadata Standard**

## **Appendix 3**

### **Formal specifications for Business-to-Business exchange**

version 2.0

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#### **Abstract**

This document contains XML schema definitions for business-to-business exchange interface defined by the DR metadata standard.

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## 1 Overview

The DR metadata standard specifies one interface for business-to-business exchange based on the Dublin Core metadata schema. The formal specification for this interface is provided in the form of an XML W3C schema presented in this document. Use appropriate XML schema tools to gain additional overview of the provided interface.

The presented schema is developed by DR based on the simple element schema published by the Dublin Core initiative. The intention with this schema is to function as an intermediate formal specification until the XML schema corresponding to the EBU Tech 3293 interface specification is published.

An overview of this schema showing the 15 Dublin Core elements plus DR / EBU refinements is listed below.

annotation	DC XML Schema, 2002-07-10 with DR refinements.	
import	loc: <a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>	ns: <a href="http://www.w3.org/XML/1998/namespace">http://www.w3.org/XML/1998/namespace</a>
element	<b>title</b>	ann:
element	<b>title.alternative</b>	ann:
element	<b>creator</b>	ann:
element	<b>creator.role</b>	ann:
element	<b>subject</b>	ann:
element	<b>description</b>	ann:
element	<b>publisher</b>	ann:
element	<b>contributor</b>	ann:
element	<b>contributor.role</b>	ann:
element	<b>date</b>	ann:
element	<b>date.created</b>	ann:
element	<b>date.issued</b>	ann:
element	<b>type</b>	ann:
element	<b>format</b>	ann:
element	<b>format.extent</b>	ann:
element	<b>format.medium</b>	ann:
element	<b>identifier</b>	ann:
element	<b>source</b>	ann:
element	<b>language</b>	ann:
element	<b>relation</b>	ann:
element	<b>relation.haspart</b>	ann:
element	<b>relation.ispartof</b>	ann:
element	<b>coverage</b>	ann:
element	<b>coverage.spatial</b>	ann:
element	<b>rights</b>	ann:
group	<b>elementsGroup</b>	ann:
complexType	<b>elementType</b>	ann:

Figure 1. Schema overview.

## 2 Dublin Core schema for Business-to-Business Exchange

```

<xs:schema targetNamespace="http://purl.org/dc/elements/1.1/" xmlns="http://purl.org/dc/elements/1.1/"
xmlns:x="http://www.w3.org/XML/1998/namespace" xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:annotation>
    <xs:documentation xml:lang="en">DC XML Schema, 2002-08-26 with DR refinements.
  </xs:documentation>
  <xs:appinfo>
    <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
xmlns:dc="http://purl.org/dc/elements/1.1/">
      <rdf:Description rdf:about="">
        <dc:title>DC XML Schema with DR refinements</dc:title>
        <dc:date>2002-08-26</dc:date>
        <dc:description>This schema defines terms for Simple Dublin Core, i.e. the 15
elements plus extensions for DR B2B exchange (EBU Tech 3293)
Default content type for all elements is xs:string with xml:lang
attribute available.
        </dc:description>
        <dc:publisher>DR (refinements)</dc:publisher>
        <dc:publisher>The Dublin Core Metadata Initiative</dc:publisher>
        <dc:creator>DR (refinements)</dc:creator>
        <dc:creator>Pete Johnston (p.johnston@ukoln.ac.uk)</dc:creator>
        <dc:creator>Carl Lagoze (lagoze@cs.cornell.edu)</dc:creator>
        <dc:creator>Andy Powell (a.powell@ukoln.ac.uk)</dc:creator>
        <dc:creator>Herbert Van de Sompel (hvdsomp@yahoo.com)</dc:creator>
        <dc:relation rdf:resource="http://purl.org/dc/elements/1.1/">
      </rdf:Description>
    </rdf:RDF>
  </xs:appinfo>
  <xs:import namespace="http://www.w3.org/XML/1998/namespace" schemaLocation="http://www.w3.org/2001/03/xml.xsd"/>
  <xs:element name="title" type="elementType"/>
  <xs:element name="title.alternative" type="elementType"/>
  <xs:element name="creator" type="elementType"/>
  <xs:element name="creator.role" type="elementType"/>
  <xs:element name="subject" type="elementType"/>
  <xs:element name="description" type="elementType"/>
  <xs:element name="publisher" type="elementType"/>
  <xs:element name="contributor" type="elementType"/>
  <xs:element name="contributor.role" type="elementType"/>
  <xs:element name="date" type="elementType"/>
  <xs:element name="date.created" type="elementType"/>
  <xs:element name="date.issued" type="elementType"/>
  <xs:element name="type" type="elementType"/>
  <xs:element name="format" type="elementType"/>
  <xs:element name="format.extent" type="elementType"/>
  <xs:element name="format.medium" type="elementType"/>
  <xs:element name="identifier" type="elementType"/>
  <xs:element name="source" type="elementType"/>
  <xs:element name="language" type="elementType"/>
  <xs:element name="relation" type="elementType"/>
  <xs:element name="relation.haspart" type="elementType"/>
  <xs:element name="relation.ispartof" type="elementType"/>
  <xs:element name="coverage" type="elementType"/>
  <xs:element name="coverage.spatial" type="elementType"/>
  <xs:element name="rights" type="elementType"/>
  <xs:group name="elementsGroup">
    <xs:sequence>
      <xs:choice minOccurs="0" maxOccurs="unbounded">
        <xs:element ref="title"/>
        <xs:element ref="title.alternative"/>
        <xs:element ref="creator"/>
        <xs:element ref="creator.role"/>
        <xs:element ref="subject"/>
        <xs:element ref="description"/>
      </xs:choice>
    </xs:sequence>
  </xs:group>

```

```
<xs:element ref="publisher"/>
<xs:element ref="contributor"/>
<xs:element ref="contributor.role"/>
<xs:element ref="date"/>
<xs:element ref="date.created"/>
<xs:element ref="date.issued"/>
<xs:element ref="type"/>
<xs:element ref="format"/>
<xs:element ref="format.extent"/>
<xs:element ref="format.medium"/>
<xs:element ref="identifier"/>
<xs:element ref="source"/>
<xs:element ref="language"/>
<xs:element ref="relation"/>
<xs:element ref="relation.haspart"/>
<xs:element ref="relation.ispartof"/>
<xs:element ref="coverage"/>
<xs:element ref="coverage.spatial"/>
<xs:element ref="rights"/>
</xs:choice>
</xs:sequence>
</xs:group>
<xs:complexType name="elementType">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute ref="x:lang" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
</xs:schema>
```