DOI MULTIPLE RESOLUTION METADATA
ONIX FOR DOI FORMATS V1.1

Multiple Resolution, September 2007

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This document specifies the newly-defined <DOI Resolution> composite added to ONIX for DOI formats to specify multiple pointers (URI) to the online resources associated with the DOI to which the metadata package refers. Thus to enable a Multiple Resolution service.

The <DOI Resolution> group of elements is defined in a "per se" specification, separated from the ONIX for DOI formats to which it applies, as the newly defined composite does not modify either the structure of ONIX for DOI formats v.1.1 or the way registrants usually register Single Resolution DOIs.

Please see ONIX for DOI formats specifications for detail concerning how to register Single Resolution DOIs.

DOI resolution composite

A group of data elements which together identify and provide pointers (URI) to multiple online resources associated with the DOI, thus enabling the DOI Multiple Resolution service.

The composite is optional, but must be included whenever multiple URI are intended to be associated with the DOI to which the metadata package refers. Non-repeating.

The <DOIResolution> element may carry the *language* attribute, which enables to specify the language of any text element to be displayed whenever the multiple resolution service is activated. If the language attribute is not present, the default displayed language is English.

The allowed values for the *language* attribute are:

language="eng"

language="ita"

language="ger"

Reference name	<DOIResolution>

Target resource composite

A repeatable group of data elements which together describe each online resource associated to the DOI to which the metadata package refers.

Mandatory in any occurrence of the <DOIResolution>composite.

Multiple resources associated to the DOI must be listed as multiple occurrences of the composite.

Reference name	<TargetResource>

MR.1 Target resource sequence number

A number which specifies a single overall sequence of target resources. Optional and non-repeating.

Format	Integer
Reference name	<TargetResourceSequenceNumber>
Example	4

MR.2. Target resource provider

A code indicating if the target resource associated to the DOI is directly maintained by the publisher of the object identified with the DOI or by any other party. Optional and non-repeating

Format	Fixed-length, 2 numeric digits	
Code list	01	Publisher
	02	Other party
Reference name	<TargetResourceProvider>	
Example	01	Proprietary

MR.3 Target resource type

The type of URI for the target resource to which the DOI resolves. Mandatory in each occurrence of the <TargetResource> composite and non-repeating.

Format	Variable-length character string values defined by mEDRA
Code List	The permitted values for <TargetResourceType> are *URL*, *DOI*, *FTP, e-mail*
Reference name	<TargetResourceType>
Example	URL

MR.4 Target resource value

The URI for the target resource to which the DOI resolves. Mandatory in each occurrence of the <TargetResource> composite and non-repeating.

Format	Variable-length text, suggested maximum length 300 characters
Reference name	<TargetResourceValue>
Example	http://xyzbooks.com/0123456789.htm

MR.5 Target resource role

A controlled value that describes the nature of the relationship between the target resource to which the DOI resolves and the object to which the metadata package refers. Mandatory in each occurrence of the <TargetResource> composite and non- repeating

Format	Fixed length, two letters
Code List	Multiple Resolution code list: see separate documentation
Reference name	<TargetResourceRole>
Example	AA About the content

MR.6 Target resource label

A controlled value that describes the nature of the target resource associated to the DOI to which the metadata package refers. Mandatory in each occurrence of the <TargetResource> composite and non-repeating. Note that the allowed values for the <TargetResourceLabel> element are dependent on the ones specified in the <TargetResourceRole> element. See Multiple Resolution codelist for details.

Format	Fixed length, four characters: two letters followed by two numeric digits
Code List	Multiple Resolution code list: see separate documentation
Reference name	<TargetResourceLabel>
Example	AA01 Publisher's catalogue page

MR.7 Target resource description

Free text detailing the nature of the target resource associated to the DOI to which the metadata package refers. The element provides a free text statement of the whole of the target resource in the form in which the publisher intends it to be displayed. Mandatory in each occurrence of the <TargetResource> composite and non-repeating.

Format	Variable-length text, suggested maximum length 200 characters
Reference name	<TargetResourceDescription>
Example	*Go to the Publisher's XYZ catalogue*

End of Target resource composite

End of DOI resolution composite

Example of the use of DOI Resolution composite

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<DOI>10.1234/MRsample</DOI>
<DOIWebsiteLink>http://www.primaryURL.org</DOIWebsiteLink>
<DOIResolution language="eng">
        <TargetResource>
                <TargetResourceSequenceNumber>1</TargetResourceSequenceNumber>
                <TargetResourceProvider>01</TargetResourceProvider>        Publisher
                <TargetResourceType>URL</TargetResourceType>
                <TargetResourceValue>http://www.primaryURL.org</TargetResourceValue>
                <TargetResourceRole>AC</TargetResourceRole>        About the publisher
                <TargetResourceLabel>AC01</TargetResourceLabel>        Publisher's home page
                <TargetResourceDescription>Visit the Publisher website</TargetResourceDescription>
        </TargetResource>
        <TargetResource>
                <TargetResourceSequenceNumber>2</TargetResourceSequenceNumber>
                <TargetResourceProvider>02</TargetResourceProvider>        Publisher
                <TargetResourceType>URL</TargetResourceType>
                <TargetResourceValue>http://www.resource2.it</TargetResourceValue>
                <TargetResourceRole>AA</TargetResourceRole>        About the content
                <TargetResourceLabel>AA03</TargetResourceLabel>        Read abstract
                <TargetResourceDescription>Go to the Abstract</TargetResourceDescription>
        </TargetResource>
        <TargetResource>
                <TargetResourceSequenceNumber>3</TargetResourceSequenceNumber>
                <TargetResourceProvider>02</TargetResourceProvider>        Other party
                <TargetResourceType>URL</TargetResourceType>
                <TargetResourceValue>http://www.resource3.com</TargetResourceValue>
                <TargetResourceRole>AB</TargetResourceRole>        About the contributors
                <TargetResourceLabel>AB06</TargetResourceLabel>        Author's blog
                <TargetResourceDescription>Meet the Author</TargetResourceDescription>
        </TargetResource>
</DOIResolution>
```