



NISO/EDItEUR Joint Working Party

ONIX for Serials

Serials Online Holdings (SOH) format overview

Version 1.1

Version 1.1: June, 2007 (last updated October, 2007)

Changes made to this document in October, 2007

- Editorial corrections of no significance to the content
- The first two lines of the tables have been corrected so that both messages now indicate version="1.1"

The ONIX Serials Online Holdings (SOH) format defines a family of XML messages (two in Versions 1.0 and 1.1, but likely to be extended in the near future). SOH messages are used for communicating information about the holdings or coverage of online serial resources from a party that holds or supplies the resources to a party that needs this information in its systems. The messages include details of serial versions, formats available, hosted collections in which the serial versions are found, and coverage information for each serial version. SOH coverage information includes the extent of coverage of each resource (date ranges or volume/issue ranges or both) along with details of any applicable embargo.

For example:

1. A link-resolver vendor, AtoZ-list vendor or subscription agent may send a list of a library's online subscriptions to the library for loading into its electronic resources management system (ERMS), its link resolver or its public catalog. This information may ultimately be displayed to end users.
2. A library may send a list of its online holdings to a shared cataloging service or a consortium, for inclusion in a shared catalog.

The format is designed so that resources may be grouped either in a flat "AtoZ" list or hierarchically by hosted collection.

In the flat AtoZ list, each resource is listed separately with the hosted collection identified individually against each entry. To avoid repetition, details of all the hosted collections referred to in the message are sent at the beginning of the message, so that only a name and/or identifier is carried against each resource.

In the hierarchical list, each hosted collection is identified once only, followed by details of the resources available in that collection.

Version 1.0 was the first version published for general use following the completion of a series of pilots based on Version 0.9. We intend that, for the foreseeable future, subsequent versions will maintain backwards compatibility with Version 1.0.

We invite comments on this specification and the associated XML schema, and suggestions for improvement. Please send email to [EDItEUR](mailto:edit@edit-eur.org).

Introduction to Version 1.1

Version 1.1 includes the ONIX for Serials Coverage Statement within <PackageDetail>. <Coverage> is an XML structure capable of carrying simple or complex statements of holdings of serial resources. The Coverage statement is explained in detail at http://www.editeur.org/onixserials/ONIX_Coverage09.html.

<Coverage> replaces the functionality of <OnlinePackage><PackageDetail><JournalIssue> and <OnlinePackage><Embargo>.

SOH version 1.1 allows the expression of holdings through the use of either the <JournalIssue> and/or <Embargo> composites or the new <Coverage> composite within any given <OnlinePackage> composite. Therefore, if the <Coverage> composite is used, then neither <OnlinePackage><PackageDetail><JournalIssue> nor <OnlinePackage><Embargo> should appear. Conversely, if either <OnlinePackage><PackageDetail><JournalIssue> or <OnlinePackage><Embargo> appears, then <Coverage> should not appear.

In SOH version 1.1, the old-style <JournalIssue> and <Embargo> composites are deprecated; that is, their use is discouraged, because in future versions of the SOH format, they may eventually be deleted.

Users who have implemented Version 1.0 are assured that all existing elements will continue to be supported in their present form for the foreseeable future, and versions will continue to be numbered 1.n to indicate that full backwards compatibility is maintained.

When the new Coverage elements have been thoroughly proven and accepted, it is possible that existing JournalIssue and Embargo elements may be phased out as part of a Version 2.0, but this step will only be taken after due consultation with users. New users, however, are encouraged if possible to use the Coverage elements.

Future developments

There are two areas of the format where significant extensions are under consideration. Any extensions will provide alternative and additional functionality.

1. *Print resources*

The principles of the SOH format can be extended for use in communicating print holdings as well as online holdings. It is expected that a future version will support messages carrying print and/or electronic holdings.

2. *Overall holdings of a content hosting system*

In addition to expressing the holdings of a particular organization, the SOH format can be extended to communicate the overall coverage of serial versions found in specific content hosting systems. For example, a content hosting system could send its overall coverage information to a link-resolver vendor or an AtoZ list vendor, for inclusion in the latter's knowledge base.

Related documentation

Some words or phrases are used throughout ONIX for Serials with a very specific meaning. These are defined in the [ONIX for Serials glossary](#).

The formal definition of the SOH format is given in [ONIX SOH: XML schema](#).

Version numbering

Please note that within an SOH version each form of message supported in the SOH Schema has its own separate version number (currently "1.1" in each case). This is because it is quite possible that in a future release one message may change while another remains the same. Separate version numbers allow precise version control on both levels.

Overview of the ONIX Serials Online Holdings format

The tables on this and subsequent pages give an overview of the ONIX Serials Online Holdings format, and show how elements are nested. The first section, colour-coded yellow, shows the message header. The second section, colour-coded light brown, shows the broad content of the detail section of the message. The third section, colour-coded green, shows an expansion of the <OnlinePackage> composite from the previous page.

| | | |
|---|--|---|
| 1 | <ONIXSerialsOnlineHoldingsAtoZ version="1.1"> | A "flat" list of online holdings for serial versions |
| 2 | <ONIXSerialsOnlineHoldingsByHost version="1.1"> | A list of online holdings arranged by reference to the hosted collection of which they are part |

| | | | |
|----|------------------------------|------------------------------------|---|
| 3 | <Header> | | Message header |
| 4 | <Sender> | | The sender of the message (coded identifier or name or both) |
| 5 | | <SenderIdentifier> | A coded identifier of the message sender, eg a SAN or GLN |
| 6 | | <SenderIDType> | A code indicating the scheme from which the identifier is taken |
| 7 | | <IDTypeName> | The name of a proprietary scheme, if applicable |
| 8 | | <IDValue> | The identifier value |
| 9 | | <SenderName> | The name of the sender organisation |
| 10 | | <SenderContact> | The name of a contact person in the sender organisation |
| 11 | | <SenderEmail> | An email address for the sender |
| 12 | <Addressee> | | The addressee of the message (omitted in "broadcast" notifications) |
| 13 | | <AddresseeIdentifier> | A coded identifier of the message addressee |
| 14 | | <AddresseeIDType> | A code indicating the scheme from which the identifier is taken |
| 15 | | <IDTypeName> | The name of a proprietary scheme, if applicable |
| 16 | | <IDValue> | The identifier value |
| 17 | | <AddresseeName> | The name of the addressee organisation |
| 18 | | <AddresseeContact> | The name of a contact person in the addressee organisation |
| 19 | | <AddresseeEmail> | An email address for the addressee |
| 20 | <MessageNumber> | | Message sequence number |
| 21 | <MessageRepeat> | | A number which distinguishes any repeat transmissions of a message |
| 22 | <SentDateTime> | | The date, and optionally the time, when a message was sent |
| 23 | <MessageNote> | | A free-text note about the contents of the message |

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|----|-----------------|------------------------|--------------------|--|
| 24 | <Subscriber> | | | The organization whose holdings are listed in the message |
| 25 | | <SubscriberIdentifier> | | A coded identifier of the subscriber |
| 26 | | | <SubscriberIDType> | A code indicating the scheme from which the identifier is taken |
| 27 | | | <IDTypeName> | The name of a proprietary scheme, if applicable |
| 28 | | | <IDValue> | The identifier value |
| 29 | | <SubscriberName> | | The name of the subscriber |
| 30 | <CompleteFile/> | | | One or other of these empty elements is mandatory, to indicate whether the message is a complete replacement file or an incremental update |
| 31 | <DeltaFile/> | | | |

| | | | | |
|----|-----------------|---------------------------|-----------------------|---|
| 32 | <HoldingsList> | | | One occurrence only in an <ONIXSerialsOnlineHoldingsAtoZ> message |
| | | | | Repeatable for each hosted collection covered in an <ONIXSerialsOnlineHoldingsByHost> message, with a further repeat for serial versions listed in the message that are available independently of a hosted collection |
| 33 | <OnlineService> | | | The hosted collection from which the serial versions are supplied. Repeatable in an <ONIXSerialsOnlineHoldingsAtoZ> message, to list and describe the hosted collections that are referred to by name and/or identifier in subsequent Holdings Records. |
| | | | | One occurrence only in each repeat of <HoldingsList> in an <ONIXSerialsOnlineHoldingsByHost> message |
| 34 | | <OnlineServiceIdentifier> | | A coded identifier of a hosted collection: either <OnlineServiceIdentifier> or <OnlineServiceName> or both must be present |
| 35 | | | <OnlineServiceIDType> | A code indicating the scheme from which the identifier is taken |
| 36 | | | <IDTypeName> | The name of a proprietary scheme, if applicable |
| 37 | | | <IDValue> | The identifier value |
| 38 | | <OnlineServiceName> | | The name of an online hosted collection |
| 39 | | <Publisher> | | The vendor of an online hosted collection, identified by code and/or name |
| 40 | | | <PublishingRole> | A code indicating a publishing role, in this context as the vendor of a hosted collection |
| 41 | | | <PublisherIdentifier> | Composite: a coded identifier of the vendor of a hosted collection |
| 42 | | | <PublisherName> | The name of the vendor of a hosted collection |
| 43 | | <Website> | | Details of the website(s) on which the online hosted collection may be accessed |
| 44 | | | <WebsiteRole> | A code indicating the role of a website |
| 45 | | | <WebsiteDescription> | A free-text description of the nature or function of a website |
| 46 | | | <WebsiteLink> | The URL for a website |
| 47 | | | <MirrorSite> | Composite: details of any mirror site(s) |

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|----|--------------------|--------------------|---------------------------|--|--|
| 48 | <NoOnlineService/> | | | Used only in an <ONIXSerialsOnlineHoldingsByHost> message, for titles that are not part of a named hosted collection | |
| 49 | <HoldingsRecord> | | | Details of the online coverage of a specified serial version. One occurrence for each distinct serial version within a <HoldingsList>. | |
| 50 | | <NotificationType> | | A code indicating whether the holdings record is new, updated etc | |
| 51 | | <SerialVersion> | | | Details for a specified serial version |
| 52 | | | <SerialVersionIdentifier> | | Composite: a coded identifier for the serial version, eg ISSN |
| 53 | | | <Title> | | Composite: the title of the serial version |
| 54 | | | <Publisher> | | Composite: the publisher of the serial version |
| 55 | | | <OnlinePackage> | | Composite: details of the location, coverage and completeness of a serial version accessible online either as part of a hosted collection or independently at a site specific to the serial. Repeatable if a serial version is available online from two or more sources. See expanded view below. |
| 56 | | | <PrintAvailable> | | A code indicating whether print copies of the online title are also held |

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|----|---------------------------|-----------------------|----------------------|--|
| 1 | <OnlinePackage> | | | Details of the location, coverage and completeness of a serial version accessible online either as part of a hosted collection or independently at a site specific to the serial. Repeatable in an <ONIXSerialsOnlineHoldingsAtoZ> message if a serial version is available online from two or more sources. Non-repeating in an <ONIXSerialsOnlineHoldingsByHost> message. If an <OnlinePackage> composite contains a <Coverage> composite within <OnlineDetail>, then it should not contain <JournalIssue> or <Embargo>. Conversely, if it either <JournalIssue> or <Embargo> appear, then <Coverage> should not appear. |
| 2 | <OnlineServiceIdentifier> | | | Used only in an <ONIXSerialsOnlineHoldingsAtoZ> message to identify the hosted collection through which the serial version is available: either <OnlineServiceIdentifier> or <OnlineServiceName> or both should be present for a title that is available through a hosted collection. Details of the online service may be found at the beginning of the holdings list. |
| 3 | | <OnlineServiceIDType> | | |
| 4 | | <IDTypeName> | | |
| 5 | | <IDValue> | | |
| 6 | <OnlineServiceName> | | | |
| 7 | <NoOnlineService/> | | | In an <ONIXSerialsOnlineHoldingsAtoZ> message, use <NoOnlineService/> for a serial version that is available independently of a hosted collection. Do not use if <OnlineServiceIdentifier> or <OnlineServiceName> or both are present. |
| 8 | <Website> | | | If the specified serial version has its own direct URL(s), these should be included here. If it is accessed via a generic URL for the hosted collection, which has been declared at the beginning of the holdings list, the generic URL should not be repeated at title level. |
| 9 | | <WebsiteRole> | | A code indicating the role of a website |
| 10 | | <WebsiteDescription> | | A free-text description of the nature or function of a website |
| 11 | | <WebsiteLink> | | The URL for a website |
| 12 | | <MirrorSite> | | Composite: details of any mirror site(s). Repeatable for each mirror site. |
| 13 | | | <WebsiteDescription> | |
| 14 | | | <WebsiteLink> | |
| 15 | <CoverageNote> | | | New in v. 1.1. A free text note clarifying any coverage information found in <PackageDetail> |
| 16 | <PackageDetail> | | | Details of a range and completeness of content for a serial version within an online package. Repeatable if the package includes ranges with different levels of completeness and/or online formats. |
| 17 | | <Coverage> | | New in v. 1.1. An ONIX for Serials coverage statement, documented separately as <i>ONIX for Serials: Coverage Statement</i> . |
| 18 | | <JournalIssue> | | A range of content expressed in terms of the enumeration and chronology of the start and (where applicable) end issues. To express both beginning and end of a range, repeat this element. If <Coverage> is found within <PackageDetail>, the <JournalIssue> should not appear. |

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|----|----------------------------|---------------------------|---|
| 19 | | <JournalIssueRole> | A code indicating the role of a journal issue in this context, e.g. start of range, end of range |
| 20 | | <JournalVolumeNumber> | Journal issue enumeration. In Version 1.0, structured enumeration is limited to volume and issue numbers. The <JournalIssueDesignation> element allows more complex enumeration to be carried in free form. Version 1.1 incorporates the more complete <Coverage> composite for describing coverage in terms of structured enumeration. |
| 21 | | <JournalIssueNumber> | |
| 22 | | <JournalIssueDesignation> | |
| 23 | | <JournalIssueDate> | |
| 24 | | <IssueCompleteness> | A code indicating whether all articles from each issue are available online |
| 25 | | <ArticleCompleteness> | A code indicating whether articles are held as full text, abstracts etc |
| 26 | | <OriginalContent> | A code indicating whether the online holdings include original content not found in the print version |
| 27 | | <ContentDescription> | A free text description of the content available online |
| 28 | | <EpubFormat> | A code indicating the file format(s) in which the online content is held; eg HTML, PDF |
| 29 | <NoPackageDetail/> | | Empty element indicating that content detail is not available for this online package |
| 30 | <Embargo> | | Specifies a period after publication in print during which content is not available online. If <Coverage> is found within <PackageDetail> above, then <Embargo> should not appear here. |
| 31 | | <EmbargoType> | Issues, days, weeks, months, years |
| 32 | | <EmbargoValue> | Length of embargo in units specified as <EmbargoType> |
| 33 | <LicenseTerms Description> | | A free-text statement of key license terms: effectively a placeholder for future inclusion of structured license terms information, or links to the applicable license |