

Interface Specification

FBS-14789

Cicero Supplier Integration Specification

Interface Specification

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1 Introduction

This document describes Cicero supplier integrations.

1.1 Document references

Document reference	Alias	Description
http://www.editeur.org/files/EDItX%20library%20book/EDItX_Library_ShipNotice_V1.0(corr2).pdf	[EDItX-shipnotice-spec]	International EDItX shipnotice specification
http://www.editeur.org/files/EDItX%20library%20book/EDItX_Library_Order_V1.2(corr).pdf	[EDItX-libraryorder-spec]	International EDItX libraryorder specification
http://www.kulturstyrelsen.dk/fileadmin/publikationer/publikationer_engelske/danzig/guidelines_edix/Guidelines_for_use_of_EDItX_documents_in_Denmark_V2_0_working_document_July2011.pdf	[EDItX-danZIG-guideline]	Danish guideline for working with EDItX
http://www.bs.dk/publikationer/andre/danzig/02/pdf/Guidelines_for_use_of_EDItX_documents_in.pdf	[EDItX-danZIG-lib-guideline]	Guidelines for working with EDItX documents in Danish libraries

2 Cicero Interfaces

This section describes how suppliers calls Cicero services.

2.1 EDItX Library Order Proposal

Library order proposals can be delivered to Cicero via webservice or by sending the order attached to an email to an email address specified by the library.

2.1.1 Standards

The library order webservice lives up to the following specifications and standards:

- WSDL: [https://\[cicero-server-url\]/ProcessLibraryOrderProposal?wsdl](https://[cicero-server-url]/ProcessLibraryOrderProposal?wsdl)

(Contact Systematic to obtain the exact [cicero-server-url])

When sending via webservice the library order proposal should be valid according to the following XSD:

http://bibstandard.dk/acq/serviceman/EDItX_LibraryOrder_V1.2_d01.xsd

When sending via email the library order proposal should be valid according to the following XSD:

http://www.editeur.org/files/EDItX%20library%20book/EDItX_LibraryOrder_V1.2.zip

Whether send via webservice or email the EDItX document should be valid according to following standards:

- [EDItX-libraryorder-spec]
- [EDItX-danZIG-guideline]
- [EDItX-danZIG-lib-guideline]

2.1.2 Endpoint

The endpoint address is as follows:

[https://\[cicero-server-url\]/ProcessLibraryOrderProposal?wsdl](https://[cicero-server-url]/ProcessLibraryOrderProposal?wsdl)

Contact Systematic to obtain the exact [cicero-server-url].

2.1.3 Parameter usage for material selection list proposals

Header

Element name	Cicero guideline
OrderNumber	Must be unique within Agency

BuyerParty

Element name	Cicero guideline
AdditionalPartyID	PartyIDType must be 'BuyerAssignedID' Identifier is the AgencyId

Element name	Cicero guideline
	<p>Ex:</p> <pre><AdditionalPartyID> <PartyIDType>BuyerAssignedID</PartyIDType> <Identifier>DK-761500</Identifier> </AdditionalPartyID></pre>
PartyName	<p>Name of the Material Selection List</p> <p>Ex:</p> <pre><PartyName> <NameLine>Halsnæs_Voksen_Uge201520</NameLine> </PartyName></pre>

SellerParty

Element name	Cicero guideline
PartyID	<p>PartyIDType must be 'BuyerAssignedID'</p> <p>Identifier is the CVR number of the Supplier</p> <p>Ex:</p> <pre><PartyID> <PartyIDType>BuyerAssignedID</PartyIDType> <Identifier>657563</Identifier> </PartyID></pre>

Itemdetail

Element name	Cicero guideline
ProductID	<p>ProductIDType must be 'Proprietary'</p> <p>Identifier is the faustnumber for material selection lists.</p> <p>Ex:</p>

	<pre> <ProductID> <ProductIDType>Proprietary</ProductIDType> <IDTypeName>faustnummer</IDTypeName> <Identifier>51669592</Identifier> </ProductID> </pre>
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CopyDetail

Element name	Cicero guideline
CopyQuantity	<p>Number of copies</p> <p>Ex:</p> <pre> <CopyQuantity>1</CopyQuantity> </pre>
CollectionProfile	<p>CollectionCode:</p> <p>10 = Branch short name</p> <p>20 = Department short name</p> <p>30 = Location short name</p> <p>40 = Sublocation short name</p> <p>50 = Material group short name</p> <p>100 = Customer number</p> <p>110 = Account number</p> <p>120 = Float group short name</p> <p>CollectionDescription is the value</p> <p>Ex:</p> <pre> <CollectionProfile> <CollectionCode>10</CollectionCode> <CollectionDescription>frb</CollectionDescription> </CollectionProfile> </pre>

2.1.4 Parameter usage for periodical proposals

Header

Element name	Cicero guideline
OrderNumber	Must be unique within Agency

BuyerParty

Element name	Cicero guideline
AdditionalPartyID	<p>PartyIDType must be 'BuyerAssignedID' Identifier is the AgencyId Ex: <AdditionalPartyID> <PartyIDType>BuyerAssignedID</PartyIDType> <Identifier>DK-761500</Identifier> </AdditionalPartyID></p>
PartyName	Not used for periodicals.

SellerParty

Element name	Cicero guideline
PartyID	<p>PartyIDType must be 'BuyerAssignedID'. This is mandatory but not used for orderproposals for periodicals. Identifier is the CVR number of the Supplier, but we use the information saved on the subscription in Cicero. Ex: <PartyID> <PartyIDType>BuyerAssignedID</PartyIDType> <Identifier>657563</Identifier> </PartyID></p>

Itemdetail

Element name	Cicero guideline
ProductID	<p>ProductIDType must be 'Proprietary'</p> <p>Identifier is the "abonnementsnummer" for periodicals. There cannot be a mix of product ids for "faustnummer" og "abonnementsnummer", since this is the way we distinguish if it is an order proposal for periodicals or material selection lists.</p> <p>Ex:</p> <pre> <ProductID> <ProductIDType>Proprietary</ProductIDType> <IDTypeName>abonnementsnummer</IDTypeName> <Identifier>65412548</Identifier> </ProductID> </pre>

CopyDetail

Element name	Cicero guideline
CopyQuantity	<p>Number of copies – this field ignored for periodicals, and the information on the subscription is used instead.</p>
CollectionProfile	<p>CollectionCodes:</p> <ul style="list-style-type: none"> 70 = Periodical year 80 = Periodical volume 90 = Periodical number 200 = Last periodical year 210 = Last periodical volume 220 = Last periodical number 300 = Next expected periodical year 310 = Next expected periodical volume 320 = Next expected periodical number 330 = Expected delivery date for next edition, with the format: yyyy-MM-dd.

	<p>CollectionDescription is the value.</p> <p>If any other collection code are inserted, they are ignored and the info on the subscription in Cicero is used.</p> <p>At least one field of 70/80/90 and one of 300/310/330 is mandatory. Last edition information 200/210/220 is used to update material group information.</p> <p>Ex:</p> <pre><CollectionProfile> <CollectionCode>330</CollectionCode> <CollectionDescription>2020-01-31</CollectionDescription> </CollectionProfile></pre>
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2.2 EDItX Ship Notice

Ship notices can be delivered to Cicero via webservice or by sending the ship notice attached to an email to an email address specified by the library.

2.2.1 Standards

The ship notice webservice lives up to the following specifications and standards:

- WSDL: [https://\[cicero-server-url\]/ProcessLibraryShipNotice?wsdl](https://[cicero-server-url]/ProcessLibraryShipNotice?wsdl)

(Contact Systematic to obtain the exact [cicero-server-url])

When sending via webservice the shipnotice should be valid according to the following XSD:

http://bibstandard.dk/acq/serviceman/EDItX_LibraryShipNotice_V1.0_d01.xsd

When sending via email the shipnotice should be valid according to the following XSD:

http://www.editeur.org/files/EDItX%20library%20book/EDItX_LibraryShipNotice_V1.0.zip

Whether send via webservice or email the EDItX document should be valid according to following standards:

- [EDItX-shipnotice-spec]
- [EDItX-danZIG-guideline]
- [EDItX-danZIG-lib-guideline]

2.2.2 Endpoint

The endpoint address is as follows:

[https://\[cicero-server-url\]/ProcessLibraryShipNotice?wsdl](https://[cicero-server-url]/ProcessLibraryShipNotice?wsdl)

Contact Systematic to obtain the exact [cicero-server-url].

2.2.3 Parameter usage

Header

Element name	Cicero guideline
ShipNoticeNumber	Mandatory

Itemdetail

Element name	Cicero guideline
LineNumber	Counter starting from "1"
ReferenceCoded	<p>Exactly one element must have ReferenceTypeCode=BuyersOrderLineReference</p> <p>The order line reference must match BuyersOrderLineReference from the original EDItX-order</p> <p>Example:</p> <pre><ReferenceCoded> <ReferenceTypeCode>BuyersOrderLineReference</ReferenceTypeCode> <ReferenceNumber>425735</ReferenceNumber> </ReferenceCoded></pre>

CopyDetail

Element name	Cicero guideline
CopyNumber	One to many temporary material numbers. Must match the copy numbers in the EDItX order sent from Cicero.
ProcessingInstructionCode AppliedCopyNumber	<p>Instructioncode=NoAppliedCopyNumber:</p> <p>Cicero will skip processing of material numbers for this copydetail element.</p> <p>Example:</p> <pre><ProcessingInstructionCode>NoAppliedCopyNumber</ProcessingInstructionCode></pre>

	<p>Instructioncode=AppliedCopyNumber</p> <p>Cicero will use the value of the forthcoming AppliedCopyNumber element to replace a temporary material number. There may be multiple AppliedCopyNumber elements.</p> <p>Example:</p> <pre><ProcessingInstructionCode>AppliedCopyNumber </ProcessingInstructionCode> <AppliedCopyNumber>100001</AppliedCopyNumber > <ProcessingInstructionCode>AppliedCopyNumber </ProcessingInstructionCode> <AppliedCopyNumber>100002</AppliedCopyNumber ></pre> <p>Instructioncode=AppliedCopyNumberFrom and AppliedCopyNumberTo</p> <p>Cicero will use the value of the forthcoming AppliedCopyNumber element to determine a range of permanent material numbers. The CopyDetail element may not have an AppliedCopyNumberFrom without an AppliedCopyNumberTo and vice versa.</p> <p>Example:</p> <pre><ProcessingInstructionCode>AppliedCopyNumber From</ProcessingInstructionCode> <AppliedCopyNumber>700001</AppliedCopyNumber > <ProcessingInstructionCode>AppliedCopyNumber To</ProcessingInstructionCode> <AppliedCopyNumber>700003</AppliedCopyNumber ></pre>
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3 Cicero Clients

This section describes how Cicero calls supplier services.

3.1 EDItX Send Order Client

The Cicero EDItX send order client calls the operation "processLibraryOrder" on the "transeditx" service of the supplier or sends the EDItX order via email to create a new order for materials.

The supplier should provide the library with either a url for the webservice or an email address for sending the EDItX.

3.1.1 Standards

The Cicero EDItX order client lives up to the following specifications and standards:

- [EDItX-danZIG-guideline]
- [EDItX-danZIG-lib-guideline]
- For email:
http://www.editeur.org/files/EDItX%20library%20book/EDItX_LibraryOrder_V1.2.zip
- For webservice:
http://biblstandard.dk/acq/serviceman/EDItX_LibraryOrder_V1.2_d01.xsd

3.1.2 Parameter usage

Header

Element name	Cicero guideline
OrderNumber	Number based on internal counter in Cicero
IssueDateTime	Order sent date (format: yyyyMMdd) Example: 20150303
PurposeCode	First time order is sent: "Original" Resent orders: "Original"
BuyerParty	PartyIDType: "VendorAssignedID" Identifier: Customer number – given by the supplier Example: <pre><BuyerParty> <PartyID> <PartyIDType>VendorAssignedID</PartyIDType> <Identifier>17083</Identifier> </PartyID> </BuyerParty></pre>
SellerParty	PartyIDType: "BuyerAssignedID" Identifier: Internal Cicero id of supplier NameLine: Name of supplier in Cicero

	<p>Example:</p> <pre><SellerParty> <PartyID> <PartyIDType>BuyerAssignedID</PartyIDType> <Identifier>4</Identifier> </PartyID> <PartyName> <NameLine>Danish Bookstore AS</NameLine> </PartyName> </SellerParty></pre>
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ItemDetail

Element name	Cicero guideline
LineNumber	Counter starting from "1"
ProductId	<p>ProductIDType: "Proprietary", "EAN13" or ISBN"</p> <p>IDTypeName: "faustnummer" (only set when ProductIDType ="Proprietary")</p> <p>Identifier: Faust, EAN or ISBN number</p> <p>Example:</p> <pre><ProductID> <ProductIDType>Proprietary</ProductIDType> <IDTypeName>faustnummer</IDTypeName> <Identifier>4 110 202 0</Identifier> </ProductID></pre>
ItemDescription	<p>Title: Title of bibliographic record</p> <p>Author: Author of bibliographic record</p> <p>Example:</p> <pre><ItemDescription> <Title>Øen i Sydhavet</Title> <Author>Oehlenschläger Adam</Author> </ItemDescription></pre>
OrderQuantity	Number of this bibliographic record to purchase
ReferenceCoded	<p>ReferenceTypeCode: "BuyersOrderLineReference"</p> <p>ReferenceNumber: Cicero orderline number (always begins with "CICERO" followed by a counter.)</p> <p>Example:</p> <pre><ReferenceCoded> <ReferenceTypeCode>BuyersOrderLineReference</Referen ceTypeCode></pre>

	<ReferenceNumber>CICERO33</ReferenceNumber> </ReferenceCoded
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CopyDetail

The CopyDetail element will only occur once per ItemDetail as [EDItX-danZIG-lib-guideline] recommends only using one FundDetail per ItemDetail.

Element name	Cicero guideline
SubLineNumber	Will always be "1"
CopyQuantity	Number of materials to purchase
CopyNumber	Temporary number of the material This element is repeated as many times as the value of the CopyQuantity element
CollectionProfile	CollectionCode: 10 = Branch short name 20 = Department short name 30 = Location short name 40 = Sublocation short name 50 = Material group short name 70 = Periodical year 80 = Periodical volume 90 = Periodical number 100 = Customer number 110 = Account number 120 = Float group short name 200 = Last periodical year 210 = Last periodical volume 220 = Last periodical number 300 = Next expected periodical year

	<p>310 = Next expected periodical volume 320 = Next expected periodical number 330 = Expected delivery date for next edition See [EDItX-danZIG-lib-guideline] for more details. CollectionDescription: Collection Name Example: <pre><CollectionProfile> <CollectionCode>10</CollectionCode> <CollectionDescription>Horsens Bibliotek</CollectionDescription> </CollectionProfile></pre></p>
<p>Classification</p>	<p>SubjectSchemeIdentifier: "DK5" SubjectCode: Bibliographic record classification (danMARC2 field 652 m, o, n, r) Example: <pre><Classification><SubjectSchemeIdentifier>DK5</SubjectSchemeIdentifier> <SubjectCode>sk</SubjectCode> </Classification></pre></p>

3.2 EDItX Send Pseudo Order Client

Sending Pseudo orders uses the same standards and channels as the normal EDItX order.

3.2.1 Parameter usage

Header: Same as EDItX order.

ItemDetails: ReferenceCoded and pricing fields are not used.

CopyDetails: CopyNumber is not used. Only the Branch and SubLocation fields are used. They are free text fields for the user, so it is up to the supplier to ensure that the users insert the correct values.

3.3 Price Query Client

The Cicero price query client invokes the operation "PriceQuery" on the "PriceQuery" service of the supplier to collect prices for bibliographic records.

3.3.1 Standards

The Cicero price query client lives up to the following specifications and standards:

- WSDL: <http://biblstandard.dk/acq/serviceman/pricequery.wsdl>

3.3.2 Parameter usage

Element name	Cicero guideline
Customer	<p>CustomerIDType: "OtherID"</p> <p>CustomerId: Customer number</p> <p>Example:</p> <pre><Customer> <CustomerIDType>OtherID </CustomerIDType> <CustomerId>100001</CustomerId> </Customer></pre>
Material	<p>MatIDType: "FAUST"</p> <p>MatID: FAUST id of bibliographic record</p> <p>This element is repeated when querying price for multiple bibliographic records.</p> <p>Example:</p> <pre><Material> <MatIDType>FAUST</MatIDType> <MatID>22629344</MatID> </Material></pre>

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