

Kofax ReadSoft Collector

XML Integration Specifications Guide

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The KOFAX logo is rendered in a bold, blue, sans-serif typeface. The letters are thick and closely spaced, with a consistent weight throughout the word.

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Preface

This document contains a detailed description of how Kofax ReadSoft Collector's XML logic handles the XML standard formats that are supported by ReadSoft Collector 6.5.0.11 including:

- [E2B](#)
- [ebInterface](#)
- [ESXML](#)
- [Facturae](#)
- [Finvoice](#)
- [General XML](#)
- [OIOXML](#)
- [OIOUBL](#)
- [Svefaktura](#)
- [ZUGFerd](#)

In all cases, the intelligent XML functionality in ReadSoft Collector does not retrieve all elements from the received XML document. It retrieves only the elements that have corresponding field types in Kofax ReadSoft Invoices.

This document is intended for anyone who needs to integrate one or more of the XML invoice standards into their Kofax ReadSoft Invoices 6.1 or higher installation in connection with Kofax ReadSoft Collector 6.5.0.11 or higher.

Related documentation

The product documentation set for Kofax ReadSoft Collector is available at the following location.

https://docshield.kofax.com/Portal/Products/en_US/RSC/6.5.0-e85tsx62sy/RS_Collector.htm

In addition to this guide, the documentation set includes the following items:

- *Kofax ReadSoft Collector Customization Guide*: Describes how to customize ReadSoft Collector and create and manage ReadSoft Collector plugins.
- *Kofax ReadSoft Collector Installation Guide*: Describes how to install Collector and configure it for Invoices.
- *Kofax ReadSoft Collector SmartXML Guidelines for XML Standards*: Describes how to work with Kofax ReadSoft Invoices XML standards in connection with ReadSoft Collector.
- *Kofax ReadSoft Collector Database Maintenance Tool Help*: Describes how to create and maintain ReadSoft Collector database.
- *Kofax ReadSoft Collector Help*: Describes how to configure and maintain ReadSoft Collector.

Getting help with Kofax products

The [Kofax Knowledge Base](#) repository contains articles that are updated on a regular basis to keep you informed about Kofax products. We encourage you to use the Knowledge Base to obtain answers to your product questions.

To access the Kofax Knowledge Base, go to the [Kofax website](#) and select **Support** on the home page.

Note The Kofax Knowledge Base is optimized for use with Google Chrome, Mozilla Firefox or Microsoft Edge.

The Kofax Knowledge Base provides:

- Powerful search capabilities to help you quickly locate the information you need.
Type your search terms or phrase into the **Search** box, and then click the search icon.
- Product information, configuration details and documentation, including release news.
Scroll through the Kofax Knowledge Base home page to locate a product family. Then click a product family name to view a list of related articles. Please note that some product families require a valid Kofax Portal login to view related articles.
- Access to the Kofax Customer Portal (for eligible customers).
Click the **Customer Support** link at the top of the page, and then click **Log in to the Customer Portal**.
- Access to the Kofax Partner Portal (for eligible partners).
Click the **Partner Support** link at the top of the page, and then click **Log in to the Partner Portal**.
- Access to Kofax support commitments, lifecycle policies, electronic fulfillment details, and self-service tools.
Scroll to the **General Support** section, click **Support Details**, and then select the appropriate tab.

Access ReadSoft documentation

By default, the Kofax ReadSoft Collector documentation is available online. However, if necessary, you can also download the documentation to use offline.

Online documentation

The product documentation for ReadSoft Collector 6.5.0.11 is available at the following location.

https://docshield.kofax.com/Portal/Products/en_US/RSC/6.5.0-e85tsx62sy/RS_Collector.htm

Offline documentation

To access the documentation offline, download the documentation .zip files from the [Kofax Fulfillment Site](#) and extract them on a local drive available to your users. The offline documentation package includes help in the following languages:

- English (EN)

- French (FR)
- German (DE)
- Spanish (ES)

Chapter 1

E2B XML invoice standard

E2B is an electronic invoice standard that is widely adopted in Norway.

All information about the standard, including descriptions, schemas, and examples, is available at the following website: <http://www.e2b.no/>

How ReadSoft Invoices field types are mapped to E2B XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all E2B elements that are included in the received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the E2B XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in E2B XML code
Name	/InvoiceHeader/Invoicee/Name
Street	/InvoiceHeader/Buyer/PostalAddress/Address1
StreetSupplement	/InvoiceHeader/Buyer/PostalAddress/Address2
City	/InvoiceHeader/Buyer/PostalAddress/PostalDistrict
CountryCode	/InvoiceHeader/Buyer/PostalAddress/CountryCode
Country	/InvoiceHeader/Buyer/PostalAddress/CountryName

Supplier fields in XML Mapper	Mapped location in E2B XML code
Name	/InvoiceHeader/Supplier/Name
Street	/InvoiceHeader/Supplier/PostalAddress/Address1
StreetSupplement	/InvoiceHeader/Supplier/PostalAddress/Address2
City	/InvoiceHeader/Supplier/PostalAddress/PostalDistrict
CountryCode	/InvoiceHeader/Supplier/PostalAddress/CountryCode
Country	/InvoiceHeader/Supplier/PostalAddress/CountryName

Standard fields in ReadSoft Invoices	Mapped location in E2B XML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
Barcode	
BuyerAddressPostalCode	/Invoice/InvoiceHeader/Buyer/PostalAddress/PostalCode
BuyerContactPersonName	/Invoice/InvoiceHeader/Buyer/ContactPerson/Name
BuyerContactReference	
BuyerTaxNumber1	/Invoice/InvoiceHeader/Buyer/VatId
BuyerTaxNumber2	/Invoice/InvoiceHeader/Buyer/OrgNumber
BuyerVATRegistrationNumber	/Invoice/InvoiceHeader/Buyer/VatId If this element does not exist, use the following alternate location: /Invoice/InvoiceHeader/Buyer/OrgNumber
DeliveryCost	/invoice/InvoiceDiscountChargesAndTax/InvoiceCharges/Amount
DeliveryCostInsurance	

Standard fields in ReadSoft Invoices	Mapped location in E2B XML code
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	/Invoice/InvoiceHeader/InvoiceReferences/ DeliveryDate
DeliveryNote	/Invoice/InvoiceHeader/InvoiceReferences/ DeliveryNoteNum
DeliveryTerms	/Invoice/InvoiceHeader/InvoiceReferences/ DeliveryTerms
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	/Invoice/InvoiceHeader/InvoiceDate
InvoiceCredit	/Invoice/InvoiceHeader/InvoiceType <ul style="list-style-type: none"> • Extracted value '380' is translated into 0 (Debit) • Any other extracted value is translated into 1 (Credit)
InvoiceCurrency	/Invoice/InvoiceHeader/Payment/Currency
InvoiceDate	/Invoice/InvoiceHeader/InvoiceDate
InvoiceDiscountAmount	/Invoice/InvoiceDiscountChargesAndTax/InvoiceDiscount/ Amount If this element does not exist, use the following alternate location: /Invoice/InvoiceSummary/DiscountTotals/Amount
InvoiceDiscountPercent	/Invoice/InvoiceSummary/DiscountTotals/Percent
InvoiceDueDate	/Invoice/InvoiceHeader/Payment/DueDate
InvoiceNumber	/Invoice/InvoiceHeader/InvoiceNumber
InvoiceOrderNumber	/Invoice/InvoiceHeader/InvoiceReferences/BuyersOrder Number

Standard fields in ReadSoft Invoices	Mapped location in E2B XML code
InvoicePostingDate	
InvoiceTaxAmount1	/Invoice/InvoiceSummary/VatTotalsInfo/VatAmount
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	/Invoice/InvoiceSummary/InvoiceTotals/VatTotalsAmount
InvoiceTotalVatExcludedAmount	/Invoice/InvoiceSummary/InvoiceTotals/NetAmount
InvoiceTotalVatIncludedAmount	/Invoice/InvoiceSummary/InvoiceTotals/GrossAmount
InvoiceTotalVatIncludedAmountSpelled	
InvoiceTotalVatRatePercent	/Invoice/InvoiceSummary/VatTotalsInfo/VatPercent
InvoicingPeriodEnd	
InvoicingPeriodStart	
PaymentReferenceNumber	/Invoice/InvoiceHeader/Payment/KidNumber
PaymentTerms	/Invoice/InvoiceHeader/Payment/PaymentTerms
PaymentTermsInterest	/Invoice/InvoiceHeader/Payment/OverDuePercent
PaymentType	
SupplierAccountNumber1	/Invoice/InvoiceHeader/Supplier/AccountInformation/AccountNumber
SupplierAccountNumber2	
SupplierAccountNumber3	
SupplierAccountNumber4	
SupplierAddressPostalCode	/Invoice/InvoiceHeader/Supplier/PostalAddress/Postal Code
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	

Standard fields in ReadSoft Invoices	Mapped location in E2B XML code
SupplierBankCodeNumber4	
SupplierIBAN1	/Invoice/InvoiceHeader/Supplier/AccountInformation/IbanNumber
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	
SupplierTaxNumber1	/Invoice/InvoiceHeader/Supplier/VatId
SupplierTaxNumber2	/Invoice/InvoiceHeader/Supplier/OrgNumber
SupplierVATRegistrationNumber	/Invoice/InvoiceHeader/Supplier/VatId If this element does not exist, use the following alternate location: /Invoice/InvoiceHeader/Supplier/OrgNumber

Line-item fields in ReadSoft Invoices	Mapped location in E2B XML code
LIT_ArticleIdentifier	/Invoice/InvoiceDetails/BaseItemDetails/SuppliersProductId
LIT_ArticleName	/Invoice/InvoiceDetails/BaseItemDetails/Description
LIT_DeliveredQuantity	/Invoice/InvoiceDetails/BaseItemDetails/QuantityInvoiced
LIT_DeliveredQuantityUnitCode	/Invoice/InvoiceDetails/BaseItemDetails/UnitOfMeasure
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	
LIT_RowIdentifier	/Invoice/InvoiceDetails/BaseItemDetails/LineItemNum
LIT_UnitPriceAmount	/Invoice/InvoiceDetails/BaseItemDetails/UnitPrice
LIT_VatAmount	/Invoice/InvoiceDetails/BaseItemDetails/VatInfo/VatAmount

Line-item fields in ReadSoft Invoices	Mapped location in E2B XML code
LIT_VatExcludedAmount	/Invoice/InvoiceDetails/BaseItemDetails/ LineItemAmount
LIT_VatIncludedAmount	/Invoice/InvoiceDetails/BaseItemDetails/ LineItemGrossAmount
LIT_VatRate	/Invoice/InvoiceDetails/BaseItemDetails/VatInfo/ VatPercent

Attachment fields	Mapped location in E2B XML code
ID	/MessageHeader/Attachment/AttachmentName
FileName	
EmbeddedValue	
EmbeddedInfo	
DataURI	/MessageHeader/Attachment/AttachmentLocation
SchemeURI	
DataType	/MessageHeader/Attachment/AttachmentType
LinkType	/MessageHeader/Attachment/@type
AdditionalInfo	/MessageHeader/Attachment/AttachmentNumber

Chapter 2

ebInterface XML invoice standard

ebInterface is an electronic invoice standard that is used in Austria. All information about the standard, including descriptions, schemas, and examples, is available at the following website: <https://www.wko.at/>

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the Facturae XML format. If customization is needed, fields can be remapped using the XML Field mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to ebInterface XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all ebInterface elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the ebInterface XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in ebInterface XML code
Name	Invoice/InvoiceRecipient/Address/Name
Buyer VAT Reg no	Invoice/InvoiceRecipient/ VATIdentificationNumber
Country Code	Invoice/InvoiceRecipient/Address/Country/ CountryCode
Country	Invoice/InvoiceRecipient/Address/Country
Postal Code	Invoice/InvoiceRecipient/Address/ZIP
Street	Invoice/InvoiceRecipient/Address/Street

Buyer fields in XML Mapper	Mapped location in ebInterface XML code
PO Box	Invoice/InvoiceRecipient/Address/POBox
City	Invoice/InvoiceRecipient/Address/Town
Tel	Invoice/InvoiceRecipient/Address/Phone
Email	Invoice/InvoiceRecipient/Address/Email
Fax	
Buyer number	

Supplier fields in XML Mapper	Mapped location in ebInterface XML code
Name	Invoice/Biller/Address/Name
Supplier number	Invoice/Biller/InvoiceRecipientBillerID
PO Box	Invoice/Biller/Address/POBox
Street	Invoice/Biller/Address/Street
Postal code	Invoice/Biller/Address/ZIP
City	Invoice/Biller/Address/Town
Country code	Invoice/Biller/Address/Country/CountryCode
Country	Invoice/Biller/Address/Country
Tel	Invoice/Biller/Address/Phone
Supplier Tax reg no	Invoice/Biller/VATIdentificationNumber
Email	Invoice/Biller/Address/Email

Supplier fields in XML Mapper	Mapped location in ebInterface XML code
Fax	

Standard fields in ReadSoft Invoices	Mapped location in ebInterface XML code
Invoice credit	<ul style="list-style-type: none"> If (DocumentType = Invoice OR DocumentType = InvoiceForAdvancePayment OR DocumentType= InvoiceForPartialDelivery OR DocumentType=FinalSettlement OR DocumentType=SubsequentDebit) <ul style="list-style-type: none"> { if(PayableAmount >= 0) it's an invoice, if (PayableAmount < 0) it's a Credit Note } If (DocumentType = CreditMemo OR DocumentType = SelfBilling OR DocumentType= SubsequentCredit OR) <ul style="list-style-type: none"> { if(PayableAmount >= 0) it's a credit note, if(PayableAmount < 0) it's an Invoice }
Invoice number	Invoice/InvoiceNumber
Invoice date	Invoice/InvoiceDate
GrossAmount	Invoice/TotalGrossAmount
Invoice currency	Invoice/invoiceCurrency
Invoice order number	Invoice/invoiceRecipient/OrderReference/OrderID <ul style="list-style-type: none"> Add advanced rule XXX Use line item value if header level is not available.
Buyer VAT reg no	Invoice/InvoiceRecipient/VATIdentificationNumber
Supplier VAT reg no	Invoice/Biller/VATIdentificationNumber
Invoice baseline date	Invoice/InvoiceDate
Invoice due date	Invoice/PaymentConditions/DueDate
Tax rate percent	Invoice/Tax/VAT/item/TaxRate

Standard fields in ReadSoft Invoices	Mapped location in ebInterface XML code
Tax	<p>Sum of all Invoice/Tax/VAT/Item/TaxedAmount</p> <p>There is no field as per the standards.</p> <p>XSL code:</p> <pre><xsl:template match="/"> <xsl:variable name='VATItems' select="/eb:Invoice/eb:Tax/eb:VAT/eb:Item" /> <xsl:variable name='SumOfVATAmount' select="sum(\$VATItems/ eb:Amount)" /> <xsl:value-of select="\$SumOfVATAmount"/> </xsl:template</pre>
Subtotal (netto)	<p>Sum of all line item amounts:</p> <p>Invoice/Details/ItemList/ListLineItem/LineItemAmount</p> <p>XSL code:</p> <pre><xsl:template match="/"> <xsl:for-each select="/*[local-name()='Invoice']/*[local-name()='Tax']/ *[local-name()='VAT']"> <xsl:if test="."> <xsl:variable name='TaxAmount' select="sum(*[local-name()='Item']/ *[local-name()='Amount'])" /> <xsl:value-of select="format-number(\$TaxAmount,'0.00')"/> </xsl:if> </ xsl:for-each> </xsl:template></pre>
Delivery date	Invoice/Delivery/Date
Supplier account number 1, 2, 3	
Payment type	
Payment terms	
Payment terms interest	
Payment reference number	
Delivery terms	
Invoice tax amount 1-3	
Buyer tax number 1-2	
Invoice note	
Invoice period end	
Invoice period start	
Postal code (Supplier)	
Buyer contact person name	

Line-item fields in ReadSoft Invoices	Mapped location in ebInterface code
LIT_RowIdentifier	Invoice/Details/ItemList/ListLineItem/PositionNumber

Line-item fields in ReadSoft Invoices	Mapped location in eblInterface code
LIT_ArticleNumber	ArticleNumber
LIT_ArticleName	Description
LIT_OrderNumber	Map to: Invoice/Details/ItemList/ListLineItem/ InvoiceRecipientOrderReference/OrderID
LIT_DeliveredQuantity	Quantity
LIT_DeliveredQuantityUnitCode	Quantity/@Unit
LIT_UnitPriceAmount	UnitPrice
LIT_VatRate	TaxRate
LIT_VatExcludedAmount	LineitemAmount
LIT_VatAmount	
LIT_DiscountAmount	
LIT_VatIncludedAmount	

Attachment fields	Mapped location in eblInterface XML code
Id	
Filename	
EmbeddedValue	
DataURI	
SchemeURI	
Data Type	
LinkType	
AdditionalInfo	

Invoice note field	Mapped location in eblInterface XML code

Chapter 3

ESXML invoice standard

ESXML is an electronic invoice standard that is used internally between Kofax ReadSoft Invoices Portal and Kofax ReadSoft Collector. All information about the standard, including descriptions, schemas, and examples, is available from ReadSoft. For more information, contact [Kofax support](#).

The following section describes in detail how ReadSoft Collector's intelligent XML logic handles the XML documents received in the ESXML format. If customization is needed, fields can be remapped using the XML Field mapper in the Optimize module in ReadSoft Invoices. For more information, refer to the help for ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to ESXML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all ESXML elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the ESXML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in ESXML code
CorporateGroupNumber	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/internalReference</code>
Description	
Identifier	
POBox	
StreetSupplement	
Name	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/addressName</code>
Street	<code>invoiceFile/invoice/buyerParty/buyerAddress/ streetAddress</code>

Buyer fields in XML Mapper	Mapped location in ESXML code
City	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/cityAddress</code>
CountryCode	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/countryId</code>
TelephoneNumber	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/contact/phone</code>
FaxNumber	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/contact/fax</code>
Email	<code>/invoiceFile/invoice/buyerParty/ buyerAddress/contact/emailAddress</code>

Supplier fields in XML Mapper	Mapped location in ESXML code
Description	
Identifier	
POBox	
StreetSupplement	
Name	<code>/invoiceFile/invoice/supplierParty/ supplierAddress/ addressName</code> If it is empty, use the following alternate location: <code>/invoiceFile/invoice/supplierParty/legalName</code>
Street	<code>/invoiceFile/invoice/supplierParty/supplierAddress/ streetAddress</code>
City	<code>/invoiceFile/invoice/supplierParty/supplierAddress/ cityAddress</code>
CountryCode	<code>/invoiceFile/invoice/supplierParty/supplierAddress/ countryId</code>
CountryName	<code>/invoiceFile/invoice/supplierParty/supplierAddress/country</code>
CorporateGroupNumber	<code>/invoiceFile/invoice/supplierParty/supplierAddress/ internalReference</code>

Supplier fields in XML Mapper	Mapped location in ESXML code
TelephoneNumber	/invoiceFile/invoice/supplierParty/supplierAddress/contact/phone
FaxNumber	/invoiceFile/invoice/supplierParty/supplierAddress/contact/fax
Email	/invoiceFile/invoice/supplierParty/supplierAddress/contact/emailAddress

Standard fields in ReadSoft Invoices	Mapped location in ESXML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
AmountRounding	/invoiceFile/invoice/invoiceTrailer/roundOffAmount
Barcode	
BAT_SupplierAccountNumber	
BAT_SupplierAccountNumberType	
BAT_SupplierBankClearingNumber	
BAT_SupplierBankCodeNumber	
BAT_SupplierIBAN	
BuyerAddressPostalCode	/invoiceFile/invoice/buyerParty/buyerAddress/zipCode
BuyerContactPersonName	/invoiceFile/invoice/buyerParty/buyerAddress/contact/contactName
BuyerContactReference	/invoiceFile/invoice/customerProfitCentre
BuyerTaxNumber1	/invoiceFile/invoice/buyerParty/organisationNo
BuyerTaxNumber2	
BuyerVATRegistrationNumber	/invoiceFile/invoice/buyerParty/vatNo

Standard fields in ReadSoft Invoices	Mapped location in ESXML code
DeliveryCost	/invoiceFile/invoice/invoiceTrailer/ totalCharge
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	/invoiceFile/invoice/deliveryDate
DeliveryNote	/invoiceFile/invoice/referenceNumber
DeliveryTerms	/invoiceFile/invoice/deliveryTerms/ deliveryTermsText
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	
InvoiceCredit	/invoiceFile/invoice/invoiceTypeId If = CR then 1, else 0
InvoiceCurrency	/invoiceFile/invoice/invoiceCurrencyCode
InvoiceDate	/invoiceFile/invoice/invoiceDate
InvoiceDiscountAmount	/invoiceFile/invoice/invoiceTrailer/ totalAllowance
InvoiceDiscountPercent	
InvoiceDueDate	/invoiceFile/invoice/dueDate
InvoiceNumber	/invoiceFile/invoice/invoiceId
InvoiceOrderNumber	/invoiceFile/invoice/customersOrder
InvoicingPeriodEnd	/invoiceFile/invoice/invoicePeriodFrom
InvoicingPeriodStart	/invoiceFile/invoice/invoicePeriodTo

Standard fields in ReadSoft Invoices	Mapped location in ESXML code
InvoicePostingDate	
InvoiceTaxAmount1	
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	/invoiceFile/invoice/invoiceTrailer/ invoiceVatTotalAmount
InvoiceTotalVatExcludedAmount	/invoiceFile/invoice/invoiceTrailer/ taxableAmount
InvoiceTotalVatIncludedAmount	/invoiceFile/invoice/invoiceTrailer/ invoiceTotalAmount
InvoiceTotalVatIncludedAmountSpelled	
InvoiceTotalVatRatePercent	/invoiceFile/invoice/invoiceTrailer/ invoiceVat/vatPercentage
PaymentReferenceNumber	/invoiceFile/invoice/paymentMeans/paymentRef
PaymentTerms	/invoiceFile/invoice/paymentTerms
PaymentTermsInterest	/invoiceFile/invoice/delayTerms/ penaltyInterestRate
PaymentType	
SupplierAccountNumber1	
SupplierAccountNumber2	
SupplierAccountNumber3	
SupplierAccountNumber4	
SupplierAddressPostalCode	/invoiceFile/invoice/supplierParty/ supplierAddress/zipCode
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	

Standard fields in ReadSoft Invoices	Mapped location in ESXML code
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	
SupplierPhoneNumber1	
SupplierTaxNumber1	<code>/invoiceFile/invoice/supplierParty/organisationNo</code>
SupplierTaxNumber2	
SupplierVATRegistrationNumber	<code>/invoiceFile/invoice/supplierParty/financialInfo/vatNo</code>
VAT_BaseAmount	
VAT_Code	
VAT_Currency	
VAT_RateAmount	
VAT_RatePercent	
VAT_TotalAmount	

Line-item fields in ReadSoft Invoices	Mapped location in ESXML code
LIT_ArticleIdentifier	<code>/invoiceFile/invoice/invoiceLine/supplierArticleId</code>
LIT_ArticleName	<code>/invoiceFile/invoice/invoiceLine/articleDescription</code>
LIT_DeliveredQuantity	<code>/invoiceFile/invoice/invoiceLine/invoiceQuantity/quantity</code>
LIT_DeliveredQuantityUnitCode	<code>/invoiceFile/invoice/invoiceLine/invoiceQuantity/edifactUnit</code>
LIT_DiscountAmount	<code>/invoiceFile/invoice/invoiceLine/discountAmount</code>
LIT_DiscountPercent	<code>/invoiceFile/invoice/invoiceLine/discountPercent</code>
LIT_OrderNumber	<code>/invoiceFile/invoice/invoiceLine/orderReference/referenceNumber</code>

Line-item fields in ReadSoft Invoices	Mapped location in ESXML code
LIT_RowIdentifier	/invoiceFile/invoice/invoiceLine/ invoiceLineId
LIT_UnitPriceAmount	/invoiceFile/invoice/invoiceLine/price/ contractPrice
LIT_VatAmount	/invoiceFile/invoice/invoiceLine/vatInfo/ taxAmount
LIT_VatExcludedAmount	/invoiceFile/invoice/invoiceLine/ invoiceLineAmount
LIT_VatIncludedAmount	
LIT_VatRate	/invoiceFile/invoice/invoiceLine/vatInfo/ taxPercentage

Attachment fields	Mapped location in ESXML code
ID	/invoiceFile/invoice/attachments/attachment/ objectId
FileName	/invoiceFile/invoice/attachments/attachment/ encodedData/filename
EmbeddedValue	/invoiceFile/invoice/attachments/attachment/ encodedData
EmbeddedInfo	
DataURI	
SchemeURI	
DataType	/invoiceFile/invoice/attachments/attachment/ encodedData/format
LinkType	
AdditionalInfo	/invoiceFile/invoice/attachments/attachment/ encodedData/mimeType

Invoice note field	Mapped location in ESXML code
InvoiceNote	/invoiceFile/invoice/invoiceFreeText

Chapter 4

Facturae XML invoice standard

Facturae is an electronic invoice standard that is used in Spain. All information about the standard, including descriptions, schemas, and examples, is available at the following website: <http://www.facturae.gob.es/formato/Paginas/formato.aspx>

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the Facturae XML format. If customization is needed, fields can be remapped using the XML Field mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

Note Though the Facturae XML standard allows multiple XML invoices to be included in the same XML file, this is not supported by ReadSoft Collector. Hence, it is recommended to send only one invoice per XML file.

How ReadSoft Collector field types are mapped to Facturae XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all Facturae elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the Facturae XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in Facturae XML code
Name	If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/Name else Facturae/Parties/BuyerParty/LegalEntitty/CorporateName
Buyer Tax reg no	Facturae/Parties/BuyerParty/TaxIdentification/ TaxIdentificationNumber

Buyer fields in XML Mapper	Mapped location in Facturae XML code
Country code	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/AddressInSpain/CountryCode else Facturae/Parties/BuyerParty/LegalEntitty/AddressInSpain/ CountryCode</pre>
Postal code	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/AddressInSpain/ PostCode else Facturae/Parties/BuyerParty/LegalEntitty/AddressInSpain/PostCode</pre>
Street	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/AddressInSpain/ Address else Facturae/Parties/BuyerParty/LegalEntitty/AddressInSpain/Address</pre>
PO Box	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/AddressInSpain/PostCode else Facturae/Parties/BuyerParty/LegalEntitty/AddressInSpain/ PostCode (Same as postal code)</pre>
City	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/AddressInSpain/Town else Facturae/Parties/BuyerParty/LegalEntitty/AddressInSpain/Town</pre>
Tel	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/ContactDetails/Telephone else Facturae/Parties/BuyerParty/LegalEntitty/ContactDetails/Telephone</pre>
Fax	<pre>If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/ContactDetails/Telefax else Facturae/Parties/BuyerParty/LegalEntitty/ContactDetails/Telefax</pre>

Buyer fields in XML Mapper	Mapped location in Facturae XML code
Email	If (Facturae/Parties/BuyerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/BuyerParty/Individual/ContactDetails/ ElectronicMail else Facturae/Parties/BuyerParty/LegalEntitty/ContactDetails/ ElectronicMail

Supplier fields in XML Mapper	Mapped location in Facturae XML code
Name	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/Name else Facturae/Parties/SellerParty/LegalEntitty/CorporateName
PO Box	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/AddressInSpain/ PostCode else Facturae/Parties/SellerParty/LegalEntitty/AddressInSpain/ PostCode (Same as postal code)
Street	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/AddressInSpain/Address else Facturae/Parties/SellerParty/LegalEntitty/AddressInSpain/ Address
Postal code	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/AddressInSpain/PostCode else Facturae/Parties/SellerParty/LegalEntitty/AddressInSpain/ PostCode
City	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/AddressInSpain/ Town else Facturae/Parties/SellerParty/LegalEntitty/AddressInSpain/Town

Supplier fields in XML Mapper	Mapped location in Facturae XML code
Country code	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/AddressInSpain/CountryCode else Facturae/Parties/SellerParty/LegalEntitty/AddressInSpain/CountryCode
Tel	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/ContactDetails/Telephone else Facturae/Parties/SellerParty/LegalEntitty/ContactDetails/Telephone
Fax	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/ContactDetails/Telefax else Facturae/Parties/SellerParty/LegalEntitty/ContactDetails/Telefax
Supplier Tax reg no	Facturae/Parties/SellerParty/TaxIdentification/TaxIdentificationNumber
Email	If (Facturae/Parties/SellerParty/TaxIdentification/PersonTypeCode == F) Facturae/Parties/SellerParty/Individual/ContactDetails/ElectronicMail else Facturae/Parties/SellerParty/LegalEntitty/ContactDetails/ElectronicMail
Supplier number	
Standard fields in ReadSoft Invoices	Mapped location in Facturae XML code
Invoice credit	Facturae/Invoices/Invoice/InvoiceHeader/InvoiceDocumentType If (InvoiceDocumentType == OO or InvoiceDocumentType== OR) 1 (credit) else 0 (debit)
Invoice number	Facturae/Invoices/Invoice/InvoiceHeader/InvoiceNumber
Invoice date	Facturae/invoices/invoice/InvoiceIssueData/issueDate

Standard fields in ReadSoft Invoices	Mapped location in Facturae XML code
Invoice due date	Facturae/Invoices/invoice/PaymentDetails/InstallmentsDueDate
Sub Total	Facturae/Invoices/Invoice/invoiceTotals/TotalGrossAmount
Tax rate percent	Facturae/Invoices/Invoice/TaxesOutputs/Tax/TaxRate
Tax	Facturae/Invoices/Invoice/invoiceTotals/TaxOut
Total	Facturae/Invoices/Invoice/InvoiceTotals/InvoiceTotal
Invoice currency	Facturae/Invoices/Invoice/InvoiceIssueData/ InvoiceCurrencyCode
Invoice order number	Facturae/Invoices/Invoice/items/InvoiceLine/ PurchaseorderReference
Supplier IBAN1	Facturae/Invoices/Invoice/PaymentDetails/installment/ AccountToBeCredited/IBAN
DeliveryDate	Facturae/Invoices/Invoice/InvoiceLine/DeliverNotesReferences/ deliveryNote/deliveryNoteData
DeliveryNote	Facturae/Invoices/Invoice/invoiceLine/DeliveryNotesReferences/ DeliveryNote/DeliveryNoteNumber
InvoiceDiscountAmount	Facturae/Invoices/Invoice/InvoiceTotals/GeneralDiscounts/ Discount/DiscountAmount
InvoiceDiscountPercent	Facturae/Invoices/Invoice/InvoiceTotals/GeneralDiscounts/ Discount/DiscountRate
Buyer Tax reg no	Facturae/Parties/BuyerParty/TaxidentificationNumber
Supplier Tax reg no	Facturae/Parties/SellerParty/Taxidentification/ TaxidentificationNumber
Invoicing period start	Facturae/Invoices/Invoice/InvoiceIssueData/invoicingPeriod/ StartDate
Invoicing period end	Facturae/Invoices/Invoice/InvoiceIssueData/invoicingPeriod/ EndDate

Standard fields in ReadSoft Invoices	Mapped location in Facturae XML code
Invoice note	Facturae/Invoices/Invoice/PaymentDetails/Installment/CollectionAdditionalInformation
Unit price	Facturae/Invoices/Invoice/items/InvoiceLine/UnitPriceWithoutTax
Amount excl Tax	Facturae/Invoices/Invoice/items/invoiceLine/GrossAmount
Tax %	Facturae/Invoices/Invoice/items/InvoiceLine/TaxesOUpputs/Tax/TaxRate
Discount	Facturae/Invoices/Invoice/Items/invoiceLine/DiscountsAndRabates/Discount/DiscountAmount
Discount %	Facturae/Invoices/Invoice/Items/invoiceLine/DiscountsAndRabates/Discount/DiscountRate
Tax amount	Facturae/Invoices/Invoice/Items/InvoiceLine/TaxesOutputs/Tax/TaxAmount/TotalAmount
Amount incl Tax	Facturae/Invoices/Invoice/items/invoiceLine/TaxesOutputs/GrossAmount

ReadSoft Invoices line-item fields	Mapped location in Facturae code
Row Id	Facturae/Invoices/Invoice/items/invoiceLine/RowIdentifier
Identifier	Facturae/Invoices/Invoice/Items/InvoiceLine/IssuerContractReference
Description	Facturae/Invoices/Invoice/Items/InvoiceLine/ItemDescription
Quantity	Facturae/Invoices/Invoice/Items/InvoiceLine/Quantity
Unit of Measure	Facturae/Invoices/Invoice/Items/invoiceLine/UnitOfMeasure
Order no	Facturae/Invoices/Invoice/Items/invoiceLine/ReceiverTransactionReference

Attachment fields	Mapped location in Facturae XML code
Additional info	Facturae/Invoices/Invoice/AdditionalDataRelatedDocuments/Attachmentencoding
Embedded value	Facturae/Invoices/Invoice/AdditionalData/RelatedDocuments/AttachmentData
Data type	Facturae/Invoices/Invoice/AdditionalData/RelatedDocumets/AttachmentFormat
File name	Facturae/Invoices/Invoice/AdditionalData/RelatedDocumets/AttachmentDescription
Scheme URI	Facturae/Invoices/Invoice/AdditionalData/RelatedDocuments/AttachmentCompression/Algorithm
Invoice note field	Mapped location in Facturae XML code

Chapter 5

Finvoice XML invoice standard

Finvoice is an electronic invoice standard that is widely used in Finland.

All information about the standard, including descriptions, schemas, and examples, is available at the following website: http://www.fkl.fi/verkkolasku/english/electronic_invoice_for_companies/tekniset_kuvaukset_yrityksen_verkkolasku.htm

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the Finvoice standard invoice format. If invoices are received that utilize the standard incorrectly, fields can be remapped using the XML Field Mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to Finvoice XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all Finvoice elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the Finvoice XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in Finvoice XML code
Name	/BuyerPartyDetails/BuyerOrganisationName
Street	/BuyerPartyDetails/BuyerPostalAddressDetails/ BuyerStreetName
POBox	/BuyerPartyDetails/BuyerPostalAddressDetails/ PostOfficeBoxIdentifier
City	/BuyerPartyDetails/BuyerPostalAddressDetails/ BuyerTownName

Buyer fields in XML Mapper	Mapped location in Finvoice XML code
CountryCode	/BuyerPartyDetails/BuyerPostalAddressDetails/ CountryCode
Country	/BuyerPartyDetails/BuyerPostalAddressDetails/ CountryName

Supplier fields in XML Mapper	Mapped location in Finvoice XML code
Name	/SellerPartyDetails/SellerOrganisationName
Street	/SellerPartyDetails/SellerPostalAddressDetails/ SellerStreetName
POBox	/SellerPartyDetails/SellerPostalAddressDetails/ PostOfficeBoxIdentifier
City	/SellerPartyDetails/SellerPostalAddressDetails/ SellerTownName
CountryCode	/SellerPartyDetails/SellerPostalAddressDetails/ CountryCode
Country	/SellerPartyDetails/SellerPostalAddressDetails/ CountryName

Standard fields in ReadSoft Invoices	Mapped location in Finvoice XML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
Barcode	/Finvoice/VirtualBankBarcode
BuyerAddressPostalCode	/Finvoice/BuyerPartyDetails/ BuyerPostalAddressDetails/ BuyerPostCodeIdentifier
BuyerContactPersonName	/Finvoice/BuyerContactPersonName
BuyerContactReference	

Standard fields in ReadSoft Invoices	Mapped location in Finvoice XML code
BuyerTaxNumber1	/Finvoice/BuyerPartyDetails/BuyerOrganisationTaxCode
BuyerTaxNumber2	
BuyerVATRegistrationNumber	/Finvoice/BuyerPartyDetails/BuyerOrganisationTaxCode
DeliveryCost	
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	/Finvoice/DeliveryDetails/DeliveryDate If this element does not exist, use the following alternative location: /Finvoice/DeliveryDetails/DeliveryPeriodDetails/StartDate
DeliveryNote	/Finvoice/DeliveryDetails/WaybillIdentifier
DeliveryTerms	/Finvoice/DeliveryDetails/DeliveryTermsText
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	/Finvoice/InvoiceDetails/InvoiceDate
InvoiceCredit	/Finvoice/InvoiceDetails/InvoiceTypeCode InvoiceCredit INV01 ='0' (Invoice) <ul style="list-style-type: none"> Any other value ='1' (Credit Note) If the invoice total VAT included amount is negative, the document is considered as Credit Note.
InvoiceCurrency	/Finvoice/InvoiceDetails/ InvoiceTotalVatIncludedAmount/ @AmountCurrencyIdentifier
InvoiceDate	/Finvoice/InvoiceDetails/InvoiceDate
InvoiceDiscountAmount	/Finvoice/InvoiceDetails/PaymentTermsDetails/ CashDiscountAmount

Standard fields in ReadSoft Invoices	Mapped location in Finvoice XML code
InvoiceDiscountPercent	/Finvoice/InvoiceDetails/PaymentTermsDetails/CashDiscountPercent
InvoiceDueDate	/Finvoice/EpiDetails/EpiPaymentInstructionDetails/EpiDateOptionDate
InvoiceNumber	/Finvoice/InvoiceDetails/InvoiceNumber
InvoiceOrderNumber	/Finvoice/InvoiceDetails/OrderIdentifier
InvoicePostingDate	
InvoiceTaxAmount1	/Finvoice/InvoiceDetails/VatSpecificationDetails/VatRateAmount
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	/Finvoice/InvoiceDetails/InvoiceTotalVatAmount
InvoiceTotalVatExcludedAmount	/Finvoice/InvoiceDetails/InvoiceTotalVatExcludedAmount
InvoiceTotalVatIncludedAmount	/Finvoice/InvoiceDetails/InvoiceTotalVatIncludedAmount
InvoiceTotalVatIncludedAmountSpelled	
InvoiceTotalVatRatePercent	/Finvoice/InvoiceDetails/VatSpecificationDetails/VatRatePercent
InvoicingPeriodEnd	/Finvoice/InvoiceDetails/InvoicingPeriodEndDate
InvoicingPeriodStart	/Finvoice/InvoiceDetails/InvoicingPeriodStartDate
PaymentReferenceNumber	/Finvoice/EpiDetails/EpiPaymentInstructionDetails/EpiRemittanceInfoIdentifier
PaymentTerms	/Finvoice/InvoiceDetails/PaymentTermsDetails/PaymentTermsFreeText

Standard fields in ReadSoft Invoices	Mapped location in Finvoice XML code
PaymentTermsInterest	/Finvoice/InvoiceDetails/PaymentTermsDetails/ PaymentOverDueFineDetails/PaymentOverDueFinePercent
PaymentType	/Finvoice/EpiDetails/EpiPaymentInstructionDetails/ EpiCharge/@ChargeOption
SupplierAccountNumber1	/Finvoice/SellerInformationDetails/ SellerAccountDetails/ SellerAccountID Only takes the value from the section in which the value of /Finvoice/ SellerInformationDetails/SellerAccountDetails/ SellerAccountID/ @!IdentificationSchemeName is equal to 'BBAN'.
SupplierAccountNumber2	
SupplierAccountNumber3	
SupplierAccountNumber4	
SupplierAddressPostalCode	/Finvoice/SellerPartyDetails/ SellerPostalAddressDetails/ SellerPostCodeIdentifier
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	/Finvoice/SellerInformationDetails/ SellerAccountDetails/ SellerAccountID Only takes the value from the section in which the value of /Finvoice/ SellerInformationDetails/SellerAccountDetails/ SellerAccountID/ @!IdentificationSchemeName is equal to 'IBAN'
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	
SupplierTaxNumber1	/Finvoice/SellerPartyDetails/ SellerOrganisationTaxCode
SupplierTaxNumber2	
SupplierVATRegistrationNumber	/Finvoice/SellerPartyDetails/ SellerOrganisationTaxCode

ReadSoft Invoices line-item fields	Mapped location in Finvoice XML code
LIT_ArticleIdentifier	/Finvoice/InvoiceRow/ArticleIdentifier
LIT_ArticleName	/Finvoice/InvoiceRow/ArticleName
LIT_DeliveredQuantity	/Finvoice/InvoiceRow/DeliveredQuantity
LIT_DeliveredQuantityUnitCode	/Finvoice/InvoiceRow/DeliveredQuantity/ @QuantityUnitCode
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	
LIT_RowIdentifier	/Finvoice/InvoiceRow/RowIdentifier
LIT_UnitPriceAmount	/Finvoice/InvoiceRow/UnitPriceAmount
LIT_VatAmount	/Finvoice/InvoiceRow/RowVatAmount
LIT_VatExcludedAmount	/Finvoice/InvoiceRow/RowVatExcludedAmount
LIT_VatIncludedAmount	/Finvoice/InvoiceRow/RowAmount
LIT_VatRate	/Finvoice/InvoiceRow/RowVatRatePercent
LinkType	
AdditionalInfo	

Attachment fields	Mapped location in Finvoice XML code
ID	
FileName	
EmbeddedValue	
EmbeddedInfo	
DataURI	
SchemeURI	
Data Type	

Notes	Mapped location in Finvoice XML code
Note	/InvoiceDetails/Notes

Chapter 6

General XML invoice standard

The General XML invoice standard is used as the underlying standard/profile when an invoice cannot be matched with any of the other official supported XML invoice standards.

How ReadSoft Invoices field types are mapped to general XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all general XML elements that are included in received XML documents. It uses keywords and regular expressions to attempt to match and retrieve values for only those elements that may have corresponding field types in Kofax ReadSoft Invoices.

Search criteria for regular fields in general XML standard

The following table lists the regular expressions (and the corresponding field value format) that are used to match invoice values to regular fields in invoices that are matched with the general XML standard.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Field value format name	Regular expressions used for them
REGEX_CURRENCY_CODE	<code>^[A-Z]{3}\$</code>
REGEX_DATE	<code>^((?:19 20)\d\d)[- /.]? (0[1-9] 1[012])[- /.]? (0[1-9] 12)[0-9] 3[01])\$</code>
REGEX_INVOICENUMBER	<code>^[A-Z\d][A-Z\d\s\-\.\ \/]*\$</code>
REGEX_TYPE	<code>^[A-Z\d]{1,6}\$</code>
REGEX_PONUMBER	<code>^[A-Z\d][A-Z\d\s\-\.\ \/]*\$</code>
REGEX_POSTCODE	<code>^[A-Z]{0,2}[\-\s]?[\dA-Z]{2,4}\s?[\dA-Z]{2,4}\$</code>
REGEX_VATORGANIZATIONNUMBER	<code>^[A-Z]{0,2}\d+([\-\s]?[0-9])?\$</code>

The following table lists the fields in which the regular expressions listed in the above table are used.

ReadSoft Invoices fields	Keywords in path	Field value format
BuyerAddressPostalCode	Post Zone Zip	REGEX_POSTCODE
BuyerContactPersonName		
BuyerTaxNumber1		
BuyerTaxNumber2		
BuyerVATRegistrationNumber	VATReg Reg Reg	REGEX_VATORGANIZATIONNUMBER
DeliveryDate	Delivery Leverens	REGEX_DATE
DeliveryNote		
DeliveryTerms		
InvoiceBaselineDate		
InvoiceCredit	Typ	REGEX_TYPE
InvoiceCurrency	CURRENCY CODE CURR	REGEX_CURRENCY_CODE Also, look for these key words: AUD, CAD, CHF, DKK, EUR, GBP, NOK, SEK, USD
InvoiceDate	InvoiceDate Issue FakturaD	REGEX_DATE
InvoiceDueDate	DueDate Due Payment Forfallo	REGEX_DATE
InvoiceNote	Note	
InvoiceNumber	InvoiceNumber FakturaN	REGEX_INVOICENUMBER
InvoiceOrderNumber	Order Purch Kopar PONumber	REGEX_PONUMBER
InvoiceTaxAmount1		
InvoiceTotalVATAmount	TaxAmount VATAmount MomsBelopp	REGEX_AMOUNT
InvoiceTotalVATExcludedAmount	NetAmount Net Excl Exkl	REGEX_AMOUNT
InvoiceTotalVATIncludedAmount	TotalAmount Gross Incl Inkl	REGEX_AMOUNT
InvoiceTotalVATRatePercent	VAT Tax Percent Procent Rate	REGEX_PERCENT

ReadSoft Invoices fields	Keywords in path	Field value format
InvoicingPeriodEnd		
InvoicingPeriodStart		
Payment ReferenceNumber		
PaymentTerms		
PaymentTermsInterest		
PaymentType		
SupplierAccountNumber1	Account Financial Payee Bank	REGEX_BG_ACCOUNT
SupplierAccountNumber2		
SupplierAccountNumber3		
SupplierAddressPostalCode	Post Zone ZIP	REGEX_POSTCODE
SupplierTaxNumber1		
SupplierTaxNumber2		
SupplierVATRegistrationNumber	VATReg Reg Reg	REGEX_VATORGANIZATIONNUMBER

Search criteria for line-item fields in general XML standard

The following table lists the regular expressions (and the corresponding field value format) that are used to match invoice values to line-item fields in invoices that are matched with the general XML standard.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Field value format name	Regular expression
REGEX_AMOUNT	<code>^[-]?\d+([\.,]\d{1,3})?¢</code>
REGEX_DESCRIPTION	<code>^.*\$</code>
REGEX_QUANTITY	<code>^\d{1,4}\$</code>
REGEX_QUANTITY_CODE	<code>^[A-ZÅÄÖa-zääö]{1,6}</code>
REGEX_ROWIDENTIFIER	<code>^\d{1,6}\$</code>

The following table lists the line-item fields in which the regular expressions listed in the table above are used.

Line-item fields	Keywords in path	Field value format (for regular expression)
LIT_ArticleIdentifier		
LIT_ArticleName	Desc Article Name Artikel Product	REGEX_DESCRIPTION
LIT_DeliveredQuantity	Quantity Qty Kvant	REGEX_QUANTITY
LIT_DeliveredQuantityUnitCode	Unit UOM Measure Enhet	REGEX_QUANTITY_CODE
LIT_OrderNumber		
LIT_RowIdentifier	ID Number Rad	REGEX_ROWIDENTIFIER
LIT_UnitPriceAmount	Price Pris	REGEX_AMOUNT
LIT_VatExcludedAmount	Amount Net	REGEX_AMOUNT

Chapter 7

OIOXML XML invoice standard

OIOXML is an old electronic invoice standard that was widely used in Denmark. The more modern OIOUBL XML standard should be used instead.

All information about the standard, including descriptions, schemas, and examples, is available at the following website: <http://www.oioubl.info>

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the OIOXML standard invoice format. If invoices that utilize the standard incorrectly are received, fields can be remapped using the XML Field Mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to OIOXML XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all OIOXML elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the OIOXML XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in OIOXML XML code
Name	/BuyerParty/PartyName/Name
Street	/BuyerParty/Address/Street
StreetSupplement	/BuyerParty/Address/AdditionalStreet
City	/BuyerParty/Address/CityName
CountryCode	/BuyerParty/Address/Country/Code

Supplier fields in XML Mapper	Mapped location in OIOXML XML code
Name	/SellerParty/PartyName/Name
Street	/SellerParty/Address/Street
StreetSupplement	/SellerParty/Address/AdditionalStreet
City	/SellerParty/Address/CityName
CountryCode	/SellerParty/Address/Country/Code

Standard fields in ReadSoft Invoices	Mapped location in OIOXML XML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
Barcode	
BuyerAddressPostalCode	/Invoice/BuyerParty/Address/PostalZone
BuyerContactPersonName	/Invoice/BuyerParty/BuyerContact/Name
BuyerContactReference	
BuyerTaxNumber1	
BuyerTaxNumber2	
BuyerVATRegistrationNumber	/Invoice/BuyersReferenceID
DeliveryCost	
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	
DeliveryNote	
DeliveryTerms	
EsrAmount	

Standard fields in ReadSoft Invoices	Mapped location in OIOXML XML code
EsrNumber	
EsrReference	
InvoiceBaselineDate	/Invoice/IssueDate
InvoiceCredit	/Invoice/TypeCode <ul style="list-style-type: none"> • Extracted value "PIP" or "PIE" is translated to 0 (Debit) • Extracted value "PCP" or "PCM" is translated into 1 (Credit)
InvoiceCurrency	/invoice/main:InvoiceCurrencyCode
InvoiceDate	/Invoice/IssueDate
InvoiceDiscountAmount	
InvoiceDiscountPercent	
InvoiceDueDate	/Invoice/PaymentMeans/PaymentDueDate
InvoiceNumber	/Invoice/ID
InvoiceOrderNumber	/Invoice/ReferenceOrder/BuyersOrderID If the value of this element is "n/a", translate as empty string.
InvoicePostingDate	
InvoiceTaxAmount1	
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	/Invoice/TaxTotal/TaxAmounts/TaxAmount Only takes the value from the section in which /Invoice/TaxTotal/ TaxTypeCode is equal to "VAT".
InvoiceTotalVatExcludedAmount	/Invoice/LegalTotal/LineExtensionTotalAmount If the value of this element is 0, use the following alternate location: /Invoice/LegalTotal/ToBePaidTotalAmount
InvoiceTotalVatIncludedAmount	/Invoice/LegalTotal/ToBePaidTotalAmount
InvoiceTotalVatIncludedAmount Spelled	

Standard fields in ReadSoft Invoices	Mapped location in OIOXML XML code
InvoiceTotalVatRatePercent	<p>/Invoice/TaxTotal/CategoryTotal/RatePercent Numeric</p> <p>Only takes the value from the section in which /Invoice/TaxTotal/CategoryTotal/rateCategoryCode ID is equal "VAT".</p>
InvoicingPeriodEnd	
InvoicingPeriodStart	
PaymentReferenceNumber	<p>/Invoice/PaymentMeans/PaymentID</p> <p>The value for this field is determined by the combination of values for these locations in the code (if they exist):</p> <p>+PaymentMeans/TypeCodeID <PaymentMeans/PaymentID +PaymentMeans/JointPaymentID <</p>
PaymentTerms	/InvoicePaymentTerms/ID
PaymentTermsInterest	<p>/Invoice/PaymentTerms/PenaltySurchargeRate Numeric</p>
PaymentType	/Invoice/PaymentMeans/PaymentChannelCode
SupplierAccountNumber1	If TypeCode==BANK /Invoice/PaymentMeans/PayeeFinancialAccount/ID
SupplierAccountNumber2	/Invoice/PaymentMeans/JointPaymentID
SupplierAccountNumber3	
SupplierAccountNumber4	/Invoice/PaymentMeans/PaymentID
SupplierAddressPostalCode	/Invoice/SellerParty/Adress/PostalZone
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	

Standard fields in ReadSoft Invoices	Mapped location in OIOXML XML code
SupplierTaxNumber1	
SupplierTaxNumber2	
SupplierVATRegistrationNumber	/Invoice/SellerParty/PartyTaxScheme/Company TaxID

Line-item fields in ReadSoft Invoices	Mapped location in OIOXML XML code
LIT_ArticleIdentifier	/Invoice/InvoiceLine/Item/ID
LIT_ArticleName	/Invoice/InvoiceLine/Item/Description
LIT_DeliveredQuantity	/Invoice/InvoiceLine/InvociedQuantity
LIT_DeliveredQuantityUnitCode	/Invoice/InvoiceLine/comInvoicedQuantity/ @unitCode
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	/Invoice/InvoiceLine/ReferencedOrderLine/BuyersID
LIT_RowIdentifier	/Invoice/InvoiceLine/ID
LIT_UnitPriceAmount	/Invoice/InvoiceLine/BasePrice/PriceAmount
LIT_VatAmount	
LIT_VatExcludedAmount	/Invoice/InvoiceLine/LineExtensionAmount
LIT_VatIncludedAmount	
LIT_VatRate	/Invoice/InvoiceLine/Item/Tax/RatePercent Numeric

Attachment fields	Mapped location in OIOXML XML code
ID	
Filename	
EmbeddedValue	/Invoice/EncodedDocument
EmbeddedInfo	
DataURI	
SchemeURI	

Attachment fields	Mapped location in OIOXML XML code
DataType	
LinkType	
AdditionalInfo	/Invoice/EncodedDocument/@agencyID

Chapter 8

OIOUBL XML invoice standard

OIOUBL is an electronic invoice standard that is widely used in Denmark. It applies to both invoices and credit notes. The only difference between the two is that the header is either defined by <Invoice> or <CreditNote>.

All information about the standard, including descriptions, schemas, and examples is available at the following website: <http://www.oioubl.info/documents/da/Documentoverview.html>

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the OIOUBL standard invoice format. If invoices that utilize the standard incorrectly are received, fields can be remapped using the XML Field Mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to OIOUBL XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all OIOUBL elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the OIOUBL XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in OIOUBL XML code
Name	.../AccountingCustomerParty/Party/PartyName
Street	.../AccountingCustomerParty/Party/PostalAddress/StreetName
POBox	.../AccountingCustomerParty/Party/PostalAddress/AdditionalStreetName

Buyer fields in XML Mapper	Mapped location in OIOUBL XML code
City	.../AccountingCustomerParty/Party/PostalAddress/PostBox
CountryCode	.../AccountingCustomerParty/Party/PostalAddress/CityName

Note For the Invoice version, replace "..." in each of the string above with "/Invoice".
 For the Credit Note version, replace "..." in each of the string above with "/CreditNote".

Supplier fields in XML Mapper	Mapped location in OIOUBL XML code
Name	.../AccountingSupplierParty/Party/PartyName
Street	.../AccountingSupplierParty/Party/PostalAddress/StreetName
StreetSupplement	.../AccountingSupplierParty/Party/PostalAddress/AdditionalStreetName
City	.../AccountingSupplierParty/Party/PostalAddress/PostBox
CountryCode	.../AccountingSupplierParty/Party/PostalAddress/CityName

Note For the Invoice version, replace "..." in each of the string above with "/Invoice".
 For the Credit Note version, replace "..." in each of the string above with "/CreditNote".

Standard fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
Barcode	
BuyerAddressPostalCode	.../AccountingCustomerParty/Party/PostalAddress/PostalZone

Standard fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
BuyerContactPersonName	.../AccountingCustomerParty/Party/ Contact/Name
BuyerContactReference	
BuyerTaxNumber1	
BuyerTaxNumber2	
BuyerVATRegistrationNumber	.../AccountingCustomerParty/Party/ PartyTaxScheme/ CompanyID
DeliveryCost	
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	.../Delivery/ActualDeliveryDate
DeliveryNote	
DeliveryTerms	
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	.../IssueDate
InvoiceCredit	0 = Invoice (debit) 1 = Credit Note
InvoiceCurrency	.../DocumentCurrencyCode
InvoiceDate	.../IssueDate
InvoiceDiscountAmount	
InvoiceDiscountPercent	
InvoiceDueDate	.../PaymentMeans/PaymentDueDate
InvoiceNumber	.../ID
InvoiceOrderNumber	.../OrderReference/ID
InvoicePostingDate	

Standard fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
InvoiceTaxAmount1	<p data-bbox="721 342 1463 394">.../TaxTotal/TaxSubtotal/TaxAmount</p> <p data-bbox="721 411 1463 520">Takes the value from the section in which the value of .../TaxTotal/TaxSubtotal/TaxCategory/ID is equal to 'StandardRated'.</p>
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	<p data-bbox="721 678 1463 730">.../TaxTotal/TaxAmount</p>
InvoiceTotalVatExcludedAmount	<p data-bbox="721 760 1463 812">.../ LegalMonetaryTotal/LineExtensionAmount</p>
InvoiceTotalVatIncludedAmount	<p data-bbox="721 842 1463 894">.../LegalMonetaryTotal/PayableAmount</p>
InvoiceTotalVatIncludedAmount Spelled	
InvoiceTotalVatRatePercent	<p data-bbox="721 968 1463 1020">.../TaxTotal/TaxSubtotal/TaxCategory/Percent</p> <p data-bbox="721 1037 1463 1146">Takes the value from the section in which the value of .../TaxTotal/TaxSubtotal/TaxCategory/ID is equal to 'StandardRated'.</p>
InvoicingPeriodEnd	
InvoicingPeriodStart	

Standard fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
<p>PaymentReferenceNumber</p>	<p>.../PaymentMeans/</p> <p>The value for this field is derived from the combination of these fields:</p> <pre data-bbox="721 415 1458 491">+ PaymentMeans/PaymentID < PaymentMeans/InstructionID + PaymentMeans/ AccountID <</pre> <p>This XSL snippet is used to extract the date and combine the fields in connection with invoices.</p> <p>The field value is left empty for the missing fields:</p> <pre data-bbox="721 615 1458 1066"><xsl:template match="/"> <xsl:for-each select="/* *[local-name()=' Invoice ']/*[local-name()='PaymentMeans']"> <xsl:if test="*[local-name()='PaymentID'] !='' and *[local-name()='InstructionID'] !='' and *[local-name()='CreditAccount']/*[local- name()='AccountID'] !='' "><xsl:value-of select="*[local-name()='PaymentID']"/ ><xsl:text disable-output-escaping="yes"><![CDATA[<]]></ xsl:text><xsl:value-of select="*[local-name()='InstructionID']"/> +<xsl:value-of select="*[local-name()='CreditAccount']/ *[local-name()='AccountID']"/><xsl:text disable-output-escaping="yes"><![CDATA[<]]></ xsl:text></xsl:if> </xsl:for-each> </xsl:template></pre> <p>The same XSL snippet is used to extract the field value for credit notes, except that ' Invoice ' is changed to ' CreditNote '.</p>
<p>PaymentTerms</p>	<pre data-bbox="721 1163 980 1188">.../PaymentTerms/ID</pre>
<p>PaymentTermsInterest</p>	<pre data-bbox="721 1239 1279 1264">.../PaymentTerms/PenaltySurchargePercent</pre>
<p>PaymentType</p>	<pre data-bbox="721 1314 1195 1339">.../PaymentMeans/PaymentChannelCode</pre> <p>If the node does not exist, use the following alternate location:</p> <pre data-bbox="721 1430 1166 1455">.../PaymentMeans/PaymentMeansCode</pre>
<p>SupplierAccountNumber1</p>	<pre data-bbox="721 1484 1279 1509">.../PaymentMeans/PayeeFinancialAccount/ID</pre> <p>If the node does not exist, use the following alternate location:</p> <pre data-bbox="721 1600 1268 1625">.../PaymentMeans/CreditAccount/AccountID</pre>
<p>SupplierAccountNumber2</p>	
<p>SupplierAccountNumber3</p>	
<p>SupplierAccountNumber4</p>	
<p>SupplierAddressPostalCode</p>	<pre data-bbox="721 1795 1409 1839">.../AccountingSupplierParty/Party/ PostalAddress/ PostalZone</pre>

Standard fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	
SupplierTaxNumber1	
SupplierTaxNumber2	
SupplierVATRegistrationNumber	.../AccountingSupplierParty/Party/ PartyTaxScheme/ CompanyID

Note For the Invoice version, replace "..." in each of the string above with "/Invoice"
 For the Credit Note version, replace "..." in each of the string above with "/CreditNote"

Line-item fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
LIT_ArticleIdentifier	.../InvoiceLine/Item/SellersItemIdentification/ID
LIT_ArticleName	.../InvoiceLine/Item/Description
LIT_DeliveredQuantity	.../InvoiceLine/InvoicedQuantity
LIT_DeliveredQuantityUnitCode	.../InvoiceLine/InvoicedQuantity/@unitCode
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	
LIT_RowIdentifier	.../InvoiceLine/ID
LIT_UnitPriceAmount	.../InvoiceLine/Price/PriceAmount
LIT_VatAmount	.../InvoiceLine/TaxTotal/TaxAmount

Line-item fields in ReadSoft Invoices	Mapped location in OIOUBL XML code
LIT_VatExcludedAmount	.../InvoiceLine/LineExtensionAmount
LIT_VatIncludedAmount	
LIT_VatRate	.../InvoiceLine/TaxTotal/TaxSubtotal/ TaxCategory/ Percent

Attachment fields	Mapped location in OIOUBL XML code
ID	.../ID
FileName	
EmbeddedValue	.../Attachment/EmbeddedDocumenttBinaryObject
EmbeddedInfo	
DataURI	.../Attachment/ExternalReference/URI
SchemeURI	
DataType	.../DocumentTypeCode
LinkType	
AdditionalInfo	.../Attachment/EmbeddedDocumentBinaryObject/ @mimeCode

Chapter 9

Svefaktura XML invoice standard

SveFaktura is an electronic invoice standard that is widely used in Sweden. If XML invoices are received from suppliers there, this standard may be used.

All information about the standard, including descriptions, schemas, and examples is available at the following location: <http://www.svefaktura.se/>

The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the XML documents received in the SveFaktura standard invoice format. If standard of the received invoices is incorrect, map the fields using the XML Field Mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to Svefaktura XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all Svefaktura elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the Svefaktura XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in Svefaktura XML code
Name	/BuyerParty/Party/PartyName
Street	/BuyerParty/Party/Address/StreetName
POBox	/BuyerParty/Party/Address/PostBox
City	/BuyerParty/Party/Address/CityName
CountryCode	/BuyerParty/Party/Address/Country/IdentificationCode

Supplier fields in XML Mapper	Mapped location in Svefaktura XML code
Name	/SellerParty/Party/PartyName
Street	/SellerParty/Party/Address/StreetName
StreetSupplement	/SellerParty/Party/Address/PostBox
City	/SellerParty/Party/Address/CityName
CountryCode	/SellerParty/Party/Address/Country/IdentificationCode

Standard fields in ReadSoft Invoices	Mapped location in Svefaktura XML code
AddressName	
AddressOptionalName	
AddressPostalCity	
AddressPostalCode	
AddressStreet	
Barcode	
BuyerAddressPostalCode	/Invoice/BuyerParty/Party/Address/PostalZone
BuyerContactPersonName	/Invoice/BuyerParty/Party/Contact/Name
BuyerContactReference	
BuyerTaxNumber1	<p>/Invoice/BuyerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/BuyerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'VAT'.</p>
BuyerTaxNumber2	<p>/Invoice/BuyerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/BuyerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'SWT'.</p>

Standard fields in ReadSoft Invoices	Mapped location in Svefaktura XML code
BuyerVATRegistrationNumber	<p>/Invoice/BuyerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/BuyerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'VAT'.</p>
DeliveryCost	
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	
DeliveryCostToll	
DeliveryDate	/Invoice/Delivery/ActualDeliveryDateTime
DeliveryNote	/Invoice/InvoiceLine/DespatchLineReference/DocumentReference/ID
DeliveryTerms	/Invoice/DeliveryTerms/SpecialTerms
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	/Invoice/IssueDate
InvoiceCredit	<p>/Invoice/InvoiceTypeCode</p> <p>Extracted value '380' is translated into 0 (Debit) Any other extracted value is translated into 1 (Credit)</p>
InvoiceCurrency	/Invoice/InvoiceCurrencyCode
InvoiceDate	/Invoice/IssueDate
InvoiceDueDate	/Invoice/PaymentMeans/DuePaymentDate
InvoiceNumber	/Invoice/ID
InvoiceOrderNumber	/Invoice/InvoiceLine/OrderLineReference/OrderReference/BuyersID
InvoicePostingDate	

Standard fields in ReadSoft Invoices	Mapped location in Svefaktura XML code
InvoiceTaxAmount1	<p>/Invoice/TaxTotal/TaxSubTotal/TaxAmount</p> <p>Takes the value from the section in which the value of /Invoice/TaxTotal/TaxSubTotal/TaxCategory/ID is not equal to 'E'</p>
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	/Invoice/TaxTotal/TotalTaxAmount
InvoiceTotalVatExcludedAmount	/Invoice/LegalTotal/ TaxExclusiveTotalAmount
InvoiceTotalVatIncludedAmount	/Invoice/LegalTotal/TaxInclusiveTotalAmount
InvoiceTotalVatIncludedAmountSpelled	
InvoiceTotalVatRatePercent	<p>/Invoice/TaxTotal/TaxSubTotal/TaxCategory/Percent</p> <p>Takes the value from the section in which the value of /Invoice/TaxTotal/TaxSubTotal/TaxCategory/ID is not equal to 'E'.</p>
InvoicingPeriodEnd	/Invoice/InvoicingPeriod/EndDateTime
InvoicingPeriodStart	/Invoice/InvoicingPeriod/StartDateTime
PaymentReferenceNumber	/Invoice/PaymentMeans/PayeeFinancialAccount/ PaymentInstructionID
PaymentTerms	/Invoice/PaymentTerms/Note
PaymentTermsInterest	/Invoice/PaymentTerms/PenaltySurchargePercent
PaymentType	/Invoice/PaymentMeans/PaymentMeansTypeCode
SupplierAccountNumber1	<p>/Invoice/PaymentMeans/PayeeFinancialAccount/ID</p> <p>Takes the value from the section in which the value of /Invoice/PaymentMeans/PayeeFinancialAccount/ FinancialInstitutionBranch/FinancialInstitution/ID is equal to 'PGSISESS' (PlusGiro)</p>

Standard fields in ReadSoft Invoices	Mapped location in Svefaktura XML code
SupplierAccountNumber2	<p>/Invoice/PaymentMeans/PayeeFinancialAccount/ID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/PaymentMeans/PayeeFinancialAccount/FinancialInstitutionBranch/FinancialInstitution/ID</p> <p>is equal to 'BGABSESS' (BankGiro).</p>
SupplierAccountNumber3	<p>/Invoice/PaymentMeans/PayeeFinancialAccount/ID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/PaymentMeans/PayeeFinancialAccount/FinancialInstitutionBranch/FinancialInstitution/ID</p> <p>is not equal to 'PGSISESS' (PlusGiro) or 'BGABSESS' (BankGiro).</p>
SupplierAccountNumber4	
SupplierAddressPostalCode	/Invoice/SellerParty/Party/Address/PostalZone
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	
SupplierIBAN2	
SupplierIBAN3	
SupplierIBAN4	
SupplierTaxNumber1	<p>/Invoice/SellerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/SellerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'VAT'.</p>
SupplierTaxNumber2	<p>/Invoice/SellerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/SellerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'SWT'.</p>
SupplierVATRegistrationNumber	<p>/Invoice/SellerParty/PartyTaxScheme/CompanyID</p> <p>Takes the value from the section in which the value of</p> <p>/Invoice/SellerParty/PartyTaxScheme/TaxScheme/ID</p> <p>is equal to 'VAT'.</p>

Line-item fields in ReadSoft Invoices	Mapped location in Svefaktura XML code
LIT_ArticleIdentifier	/Invoice/InvoiceLine/Item/SellersItemIdentification/ ID
LIT_ArticleName	/Invoice/InvoiceLine/Item/Description
LIT_DeliveredQuantity	/Invoice/InvoiceLine/InvoicedQuantity
LIT_DeliveredQuantityUnitCode	/Invoice/InvoiceLine/InvoicedQuantity/@quantityUnitCode
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	/Invoice/InvoiceLine/OrderLineReference/OrderReence/usersID
LIT_RowIdentifier	/Invoice/InvoiceLine/ID
LIT_UnitPriceAmount	/Invoice/InvoiceLine/Item/BasePrice/PriceAmount
LIT_VatAmount	
LIT_VatExcludedAmount	/Invoice/InvoiceLine/LineExtensionAmount
LIT_VatIncludedAmount	
LIT_VatRate	/Invoice/InvoiceLine/Item/TaxCategory/Percent

Attachment fields	Mapped location in Svefaktura XML code
ID	/Invoice/AdditionalDocumentReference/ID
FileName	
EmbeddedValue	
EmbeddedInfo	
DataURI	/Invoice/AdditionalDocumentReference/ ID/@identificationSchemeDataURI
SchemeURI	/Invoice/AdditionalDocumentReference/ID/@identificationSchemeURI

Attachment fields	Mapped location in Svefaktura XML code
DataType	/Invoice/AdditionalDocumentReference/ID/ @identificationSchemeName
LinkType	
AdditionalInfo	/Invoice/AdditionalDocumentReference/ID/ @identificationSchemeID

Chapter 10

ZUGFeRD XML invoice standard

ZUGFeRD is an electronic XML invoice standard that is used in Germany together with the PDF/A file format.

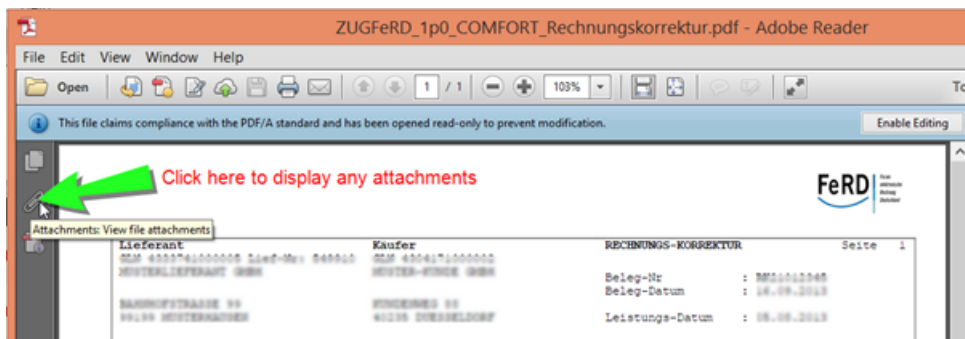
All information about the standard, including descriptions, schemas, and examples is available at the following website: <http://www.pdfib.com/en/knowledge-base/pdfa/zugferd-invoices/>

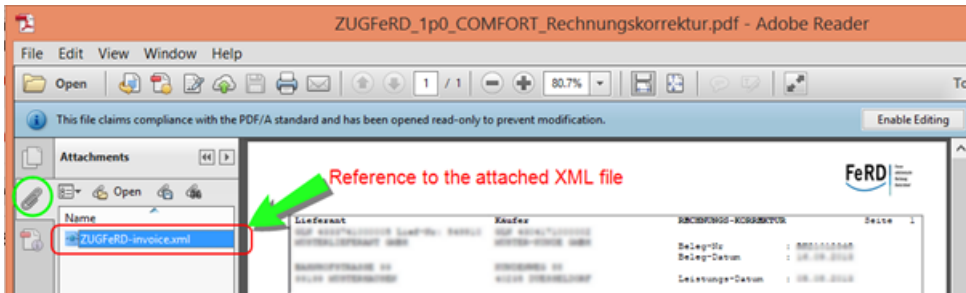
In short, an invoice that uses the ZUGFeRD invoice standard is made up of two parts:

- The visual presentation of the invoice information (provided in a PDF file using the PDF/A format).
- The content of the invoice (contained in an XML file that uses the ZUGFeRD XML standard and is embedded in the PDF).

For Kofax ReadSoft Invoices to consider the invoice as belonging to the ZUGFeRD invoice standard, the XML must include a Name dictionary that includes the text "ZUGFeRD-invoice.xml" in connection with a / H (older) or /UF (newer) array. If this information is found, the PDF image is sent to ReadSoft Invoices for processing. A text editor, such as Notepad can be used to find the image in the PDF file.

If an invoice is received without an XML attachment or if the name of the attached XML file is incorrect, the PDF file will be processed normally as an image file. For example, if a ZUGFeRD invoice (PDF file) is opened using Adobe Reader, the XML can also be seen as an attachment.





The following section describes in detail how Kofax ReadSoft Collector's intelligent XML logic handles the ZUGFeRD XML standard invoice format. If standard of the received invoices is incorrect, map the fields using the XML Field Mapper in the Optimize module in Kofax ReadSoft Invoices. For more information, refer to the help for Kofax ReadSoft Invoices 6.1 or higher.

How ReadSoft Invoices field types are mapped to ZUGFeRD XML invoice elements

Kofax ReadSoft Collector's XML functionality does not retrieve all ZUGFeRD elements that are included in received XML documents. It retrieves only those elements that have corresponding field types in Kofax ReadSoft Invoices.

The following table lists all standard ReadSoft Invoices field type names and provides information on the elements in the ZUGFeRD XML document from which they are extracted.

Note The unmapped fields indicate that they are not mapped to a location in the XML document by default. Users can map those unmapped fields.

Buyer fields in XML Mapper	Mapped location in ZUGFe RD XML code
Name	BuyerTradeParty/Name
Identifier	BuyerTradeParty/GlobalID
BuyerVATRegistrationNumber	BuyerTradeParty/SpecifiedTaxRegistration/ID where the attribute schemeID="VA"
CorporateGroupNumber	
Description	
CountryCode	BuyerTradeParty/PostalTradeAddress/CountryID
CountryName	
PostalCode	BuyerTradeParty/PostalTradeAddress/PostcodeCode

Buyer fields in XML Mapper	Mapped location in ZUGFe RD XML code
Street	BuyerTradeParty/PostalTradeAddress/LineOne
StreetSupplement	BuyerTradeParty/PostalTradeAddress/LineTwo
POBox	
City	BuyerTradeParty/PostalTradeAddress/CityName
TelephoneNumber	BuyerTradeParty/DefinedTradeContact/ TelephoneUniversalCommunication/CompleteNumber
FaxNumber	BuyerTradeParty/DefinedTradeContact/ FaxUniversalCommunication/CompleteNumber
Email	BuyerTradeParty/DefinedTradeContact/ EmailURIUniversalCommunication/URIID
BuyerTaxNumber1	
BuyerTaxNumber2	

Supplier fields in XML Mapper	Mapped location in ZUGFe RD XML code
Name	SellerTradeParty /Name
Identifier	SellerTradeParty /GlobalID
Description	
POBox	
Street	SellerTradeParty /PostalTradeAddress/LineOne
StreetSupplement	SellerTradeParty /PostalTradeAddress/LineTwo
PostalCode	SellerTradeParty /PostalTradeAddress/PostcodeCode
City	SellerTradeParty /PostalTradeAddress/CityName
CountryCode	SellerTradeParty /PostalTradeAddress/CountryID
CountryName	
TelephoneNumber	SellerTradeParty /DefinedTradeContact/ TelephoneUniversalCommunication/ CompleteNumber

Supplier fields in XML Mapper	Mapped location in ZUGFe RD XML code
FaxNumber	SellerTradeParty /DefinedTradeContact/ FaxUniversalCommunication/ CompleteNumber
SupplierVATRegistrationNumber	SellerTradeParty /SpecifiedTaxRegistration/ID where attribute schemeID="VA"
SupplierTaxNo1	SellerTradeParty/SpecifiedTaxRegistration/ID where the attribute schemeID="FC"
SupplierTaxNo2	
CorporateGroupNumber	
Email	SellerTradeParty /DefinedTradeContact/ EmailURIUniversalCommunication/URIID

Standard fields in ReadSoft Invoices	Mapped location in ZUGFeRD XML code
AddressName	
AddressOptionalName	
AddressPostalCode	
AddressStreet	
Barcode	
BAT_SupplierAccountNumber	
BAT_SupplierAccountNumberType	
BAT_SupplierBankClearingNumber	
BAT_SupplierBankCodeNumber	
BAT_SupplierIBAN	
BuyerAddressPostalCode	
BuyerContactPersonName	BuyerTradeParty/DefinedTradeContact/PersonName
BuyerContactReference	
BuyerTaxNumber1	
BuyerTaxNumber2	
BuyerVATRegistrationNumber	
DeliveryCost	
DeliveryCostInsurance	
DeliveryCostPackaging	
DeliveryCostPostage	

Standard fields in ReadSoft Invoices	Mapped location in ZUGFeRD XML code
DeliveryCostToll	
DeliveryDate	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeDelivery/ ActualDeliverySupplyChainEvent/OccurrenceDateTime/ DateTimeString
DeliveryNote	
DeliveryTerms	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeAgreement/ ApplicableTradeDeliveryTerms
EsrAmount	
EsrNumber	
EsrReference	
InvoiceBaselineDate	
InvoiceCredit	If SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementMonetarySummation/ GrandTotalAmount < 0 Credit else Debit
InvoiceCurrency	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementMonetarySummation/ GrandTotalAmount/@currencyID
InvoiceDate	HeaderExchangedDocument/ IssueDateTime/DateTimeString
InvoiceDiscountAmount	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradePaymentTerms/ ApplicableTradePaymentDiscountTerms/ ActualDiscountAmount
InvoiceDiscountPercent	
InvoiceDueDate	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradePaymentTerms/ DueDateDateTime/DateTimeString
invoiceNumber	HeaderExchangedDocument/ID

Standard fields in ReadSoft Invoices	Mapped location in ZUGFeRD XML code
InvoiceOrderNumber	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeAgreement/ BuyerOrderReferencedDocumen/ID
InvoicePostingDate	
InvoiceTaxAmount1	
InvoiceTaxAmount2	
InvoiceTaxAmount3	
InvoiceTaxAmount4	
InvoiceTotalVATAmount	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementMonetarySummation/ TaxTotalAmount
InvoiceTotalVatExcludedAmount	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementMonetarySummation/ TaxBasisTotalAmount
InvoiceTotalVatIncludedAmount	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementMonetarySummation/ GrandTotalAmount
InvoiceTotalVatIncludedAmountSpelled	
InvoiceTotalVatRatePercent	First instance of: SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement /ApplicableTradeTax/ApplicablePercent
InvoicingPeriodEnd	
InvoicingPeriodStart	
PaymentReferenceNumber	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/PamentReference
PaymentTerms	Taken from: SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradePaymentTerms/Description Since the text is often long, it is added at the top of the first page of the Invoice Notes page(s).

Standard fields in ReadSoft Invoices	Mapped location in ZUGFeRD XML code
PaymentTermsInterest	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradePaymentTerms/ ApplicableTradePaymentPenaltyTerms/ CalculationPercent
PaymentType	SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans/ TypeCode
SupplierAccountNumber1	
SupplierAccountNumber2	
SupplierAccountNumber3	
SupplierAccountNumber4	
SupplierAddressPostalCode	
SupplierBankClearingNumber	
SupplierBankCodeNumber1	
SupplierBankCodeNumber2	
SupplierBankCodeNumber3	
SupplierBankCodeNumber4	
SupplierIBAN1	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[1]/ PayeePartyCreditorFinancialAccount/IBANID
SupplierIBAN2	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[2]/ PayeePartyCreditorFinancialAccount/IBANID
SupplierIBAN3	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[3]/ PayeePartyCreditorFinancialAccount/IBANID
SupplierIBAN4	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[4]/ PayeePartyCreditorFinancialAccount/IBANID
SupplierPhoneNumber1	

Standard fields in ReadSoft Invoices	Mapped location in ZUGFeRD XML code
SupplierSWIFT1	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[1]/ PayeeSpecifiedCreditorFinancialInstitution/BICID
SupplierSWIFT2	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[2]/ PayeeSpecifiedCreditorFinancialInstitution/BICID
SupplierSWIFT3	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[3]/ PayeeSpecifiedCreditorFinancialInstitution/BICID
SupplierSWIFT4	CrossIndustryDocument/ SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradeSettlementPaymentMeans[4]/ PayeeSpecifiedCreditorFinancialInstitution/BICID
SupplierTaxNumber1	SellerTradeParty/SpecifiedTaxRegistration/ID where the attribute schemeID="VA"
SupplierTaxNumber2	
VAT_BaseAmount	
VAT_Code	
VAT_Currency	
VAT_RateAmount	
VAT_RatePercent	
VAT_TotalAmount	

Line-item fields in ReadSoft Invoices	Mapped location in ZUGFeRD code
LIT_ArticleIdentifier	/SpecifiedTradeProduct/SellerAssignedID
LIT_ArticleName	/SpecifiedTradeProduct/Name
LIT_DeliveredQuantity	/SpecifiedSupplyChainTradeDelivery/ BilledQuantity

Line-item fields in ReadSoft Invoices	Mapped location in ZUGFeRD code
LIT_DeliveredQuantityUnitCode	/SpecifiedSupplyChainTradeDelivery/ BilledQuantity/ @UnitC
LIT_DiscountAmount	
LIT_DiscountPercent	
LIT_OrderNumber	/SpecifiedSupplyChainTradeAgreement/ BuyerOrderReferencedDocument/ID
LIT_RowIdentifier	/AssociatedDocumentLineDocument/ LineID
LIT_UnitPriceAmount	/SpecifiedSupplyChainTradeAgreement/ NetPriceProductTradePrice/ ChargeAmount
LIT_VatAmount	
LIT_VatExcludedAmount	/SpecifiedSupplyChainTradeAgreement/ NetPriceProductTradePrice/ ChargeAmount
LIT_VatIncludedAmount	
LIT_VatRate	/SpecifiedSupplyChainTradeSettlement/ ApplicableTradeTax/ApplicablePercent

Note ParentNode for the locations mentioned in the above table is IncludedSupplyChainTradeLineItem.

Attachment fields	Mapped location in ZUGFeRD XML code
ID	Not mapped
FileName	Not mapped
EmbeddedValue	Not mapped
EmbeddedInfo	Not mapped
DataURI	Not mapped
SchemeURI	Not mapped
Data Type	Not mapped
Link Type	Not mapped
AdditionalInfo	Not mapped

Invoice note field	Mapped location in ZUGFeRD XML code
InvoiceNote	<p>Since the text is long, it is put on the note page of the invoice. Payment Terms are listed first. The value is taken from:</p> <pre>SpecifiedSupplyChainTradeTransaction/ ApplicableSupplyChainTradeSettlement/ SpecifiedTradePaymentTerms/Description All notes on fields are listed after payment terms, and they are extracted from one or several nodes with this path: HeaderExchangedDocument/IncludeNote/Content</pre>

Chapter 11

Include notes/additional information in PDF image

Additional information that needs to be visible in the invoice but that does not need to be extracted can be displayed in a single field in an appendix at the end of the PDF image.

To do this, the respective element in the XML is mapped to the InvoiceNote field in the **Fields** section of the XML Field Mapper in Kofax ReadSoft Invoices. For more information, see [Table of notes in XML invoices](#).

XML invoice standards that allow a single element

For those XML invoice standards that only allow the addition of information using a single element (OIOUBL, OIOXML, SveFaktura, General XML), the process is automatic if:

- The element is found in the XML in the expected location, the information it contains is displayed automatically in the invoice image.
- The element is not found in the expected location in the XML, it can be mapped using the XML Field Mapper. For more information, refer to the help for ReadSoft Invoices.
- The element is not present in the XML or is empty, no additional information is added.

XML invoice standards that allow multiple elements

In connection with those XML invoice standards that allow additional information from multiple elements in the XML (E2B and Finvoice), the information cannot be displayed automatically without adding an XSL snippet to each invoice definition in which it is used. For more information, refer to the "Including additional information or notes in the PDF image for XML invoices" topic in *ReadSoft Invoices Help*.

Table of notes in XML invoices

The following table provides information about the addition of notes/information in invoices for various XML invoice standards:

XML invoice standard	Number of elements allowed	Expected location of the element to map to InvoiceNote field
E2B	Multiple	Cannot be mapped directly. An XSL snippet is required.

XML invoice standard	Number of elements allowed	Expected location of the element to map to InvoiceNote field
Finvoice	Multiple	Cannot be mapped directly. An XSL snippet is required.
General XML	One	Note
OIOUBLCredit	One	CreditNote/Note
OIOUBLInvoice	One	Invoice/Note
OIOXML	One	Invoice/Note
SveFaktura	One	Invoice/Note