



## EDItX XML transaction document formats

# BOOK TRADE INVOICE FORMAT

## Version 1.2, May 2010

This document describes the EDItX Trade Invoice transaction format. A complete specification of the format includes this document and the corresponding XML schema, which is available from the EDItEUR website at the address below. This document provides sufficient detail of the format to understand its overall structure, content and intended use. In some areas of fine detail the format is fully specified only in the schema.

Schema download address: [Invoice Version 1.2 \(ZIP\)](#)

Version 1.2 of the EDItX Trade Invoice format is intended to be used by a publisher or publisher's distributor to send invoices to a wholesaler or retailer, or by a wholesaler to send invoices to a retailer, where delivery is made in bulk to a trade warehouse or retail store, or direct to a consumer on the retailer's behalf ("CDF" or consumer direct fulfilment).

Version 1.1 supported the use of this format in CDF supply to enable a supplier to send to the retailer an electronic copy of an invoice sent to the consumer on behalf of the retailer, in which the "buyer" is the consumer and the "seller" is the retailer. This feature is deprecated Version 1.2 of this format and has been removed from this document, and a new CDF Shipment Report format has been defined to be used instead.

For invoices from library book suppliers to libraries, see the EDItX Library Invoice format. The Trade and Library Invoice formats are both based on a set of common elements and a consistent overall structure, but each has additional functionality specific to its application.

Version 1.2 only covers invoices by shipment. For this type of invoice, the assumptions are that (a) one invoice will always correspond to one shipment, while one shipment may correspond to one order, or may include items from several different orders, and (b) there may be additional charges or allowances related to a line item, or to an order, or to the whole shipment covered by the invoice.

The format supports two alternative broad structures:

### 1. *Shipment consisting of line items from any number of orders*

The structure for this form of invoice is as follows:

<Header>	
<ItemDetail>	(repeatable)
<AdditionalCharge>	(repeatable)
<AdditionalAllowance>	(repeatable)
<InvoiceAdditionalCharge>	(repeatable)
<InvoiceAdditionalAllowance>	(repeatable)
<Summary>	

In this case, each line item carries its own order reference, and it is not possible to show whole-order-related charges or allowances.

## 2. Shipment consisting of one or more whole orders

The structure for this second form of invoice is as follows:

<Header>	
<OrderDetail>	(repeatable)
<OrderAdditionalCharge>	(repeatable)
<OrderAdditionalAllowance>	(repeatable)
<ItemDetail>	(repeatable)
<AdditionalCharge>	(repeatable)
<AdditionalAllowance>	(repeatable)
<InvoiceAdditionalCharge>	(repeatable)
<InvoiceAdditionalAllowance>	(repeatable)
<Summary>	

In this case, the order reference is given at OrderDetail level, and whole-order-related charges and allowances can be carried, as well as item-related and whole-invoice-related.

The format also provides for settlement discount applied to the whole of the invoice to be specified at header level. When used, this may have implications for tax calculation in some countries where Value Added Tax applies, and these have not yet been researched and are therefore not yet covered.

### Correction made January 2008:

Page 1: New introductory paragraph.

### Corrections and changes made for version 1.1:

Page 5 Header line 4: new element <ReferenceDateTime> added for use primarily in CDF consumer invoicing.

Page 6 Header line 9: element <PartyID> is non-mandatory in CDF consumer invoicing, except in <SellerParty>.

Header line 9: elements <AdditionalPartyID>, <CommunicationDetails> and <ContactPerson> are repeatable.

Header line 9: detail of structure now shown for elements <PartyName>, <PostalAddress>, <CommunicationDetails> and <ContactPerson>; new elements added to <PartyName> and <ContactPerson> to carry an unstructured or structured personal name or a company name, for use in CDF invoicing.

Page 8 Order detail line 3: composite element <OrderAdditionalAllowance> contains <CurrencyCode> and <CountryCode>.

Order detail line 4: element <MessageType> can take any code string value by trading partner agreement.

Page 9 Item detail line 4: element <ItemRelatedParty> is non-mandatory.

Item detail line 4: element <ItemRelatedParty> contains <CountryCode>.

Item detail line 6: new code value 'BuyersReservationReference' added for use with element <ReferenceTypeCode>, primarily in CDF invoicing.

Item detail line 6: new element <ReferenceDateTime> added for use primarily in CDF invoicing.

Page 11 Item detail line 9: new element <PackageReference> added for use primarily in CDF invoicing.

Item detail line 10: new code values 'Shipping', 'GiftWrapping' and 'Other' added for use with element <ChargeTypeCode>, primarily in CDF invoicing.

- Item detail line 11: new code values 'GiftCertificate', 'Coupon' and 'Other' added for use with element <AllowanceTypeCode>, primarily in CDF invoicing.
- Item detail line 11: element <AllowanceAmountExcludingTax> is non-mandatory.
- Item detail line 11: composite element <AdditionalAllowance> contains <CurrencyCode> and <CountryCode>.
- Page 12 Item detail line 13: element <MessageType> can take any code string value by trading partner agreement.
- Additional charges and allowances line 1: new code values 'Shipping', 'GiftWrapping' and 'Other' added for use with element <ChargeTypeCode>, primarily in CDF invoicing.
- Additional charges and allowances line 10: new code values 'GiftCertificate', 'Coupon' and 'Other' added for use with element <AllowanceTypeCode>, primarily in CDF invoicing.
- Page 13 Additional charges and allowances lines 17 and 18: composite element <InvoiceAdditionalAllowance> contains <CurrencyCode> and <CountryCode>.
- Page 13 Trailer line 4: elements <AmountTaxable> and <TaxAmount> are non-mandatory.

**Correction made July 2008:**

- General Code values 'GST' and 'VAT' added for use with the element <TaxTypeCode> in all occurrences of the <Tax> composite element.
- Page 6 Header line 9: Code value 'SellersAccountNumber' added for use with element <PartyIDType> in <BuyerParty><PartyID> (already available for use with the same element in <BuyerParty><AdditionalPartyID>). Also added for use in <ShipToParty> and <BillToParty>

**Corrections and changes made for version 1.2:**

- General Features associated with use of this format in CDF supply for sending an electronic copy of the consumer invoice from supplier to retailer have been removed from this documentation. The features are retained in the XML schema for reasons of backwards-compatibility, but their use is deprecated. Details of which features have now been removed/deprecated are itemised below.
- Date-time format options for element <ReferenceDateTime> corrected throughout to be consistent with Header element <IssueDateTime> and with schema.
- Page 1 Text revised to indicate that the format is no longer to be used for CDF copy invoicing.
- Page 6 Header line 9: <PartyID> is made mandatory here for all invoices, but remains non-mandatory in the schema for backwards-compatibility reasons.
- Header line 9: Extended personal and corporate name elements, added for CDF copy invoicing, have been removed here but are retained in the schema for backwards-compatibility reasons.
- Header line 9: Extended personal name elements, added for CDF copy invoicing, have been removed here but are retained in the schema for backwards-compatibility reasons.
- Page 7 Order detail: Element description changed to make clear that OrderDetail is not mandatory.
- Order detail line 1: Code value 'SellersOrderReference' changed to 'SuppliersOrderReference', for consistency with the Item detail level and with other EDItX formats. The code value 'SellersOrderReference' remains in the XML schema, but its use is deprecated.

- Page 10      Item detail line 7: Element description revised to make it clear that <PricingDetail> is repeatable, but <Price> is not repeatable within <PricingDetail>.
- Item detail line 8: Element <PackageReference>, used previously in CDF copy invoicing, has been removed here but is retained in the schema for backwards-compatibility reasons.
- Page 11      Item detail line 9: Code value 'Handling' added to code list used by element <ChargeTypeCode>.
- Item detail line 10: Code values used by element <AllowanceTypeCode> in CDF copy invoicing have been removed here but are retained in the schema for backwards-compatibility reasons.
- Page 12      Additional charges and allowances line 1: Code value 'Handling' added to code list used by element <ChargeTypeCode>.
- Additional charges and allowances line 10: Code values used by element <AllowanceTypeCode> in CDF copy invoicing have been removed here but are retained in the schema for backwards-compatibility reasons.
- Page 13      The packaging detail section, used in CDF copy invoicing, has been removed here, but retained in the schema for backwards-compatibility reasons.

We invite user comments on this specification and the associated XML schema, and suggestions for improvement for future releases. In the USA, please send comments by email to the [BISAC Supply Chain EDI Committee](#). In the UK and the rest of the world, please send comments by email to [EDItEUR](#).

# BOOK TRADE INVOICE

## Document name and version

Invoice Version 1.2	<Invoice version="1.2">
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## Header

	Element	M <sup>1</sup>	Invoice.Header.	
1	Invoice number	M	InvoiceNumber	
2	Document date/time: the date/time when the report was generated. Permitted formats are: YYYYMMDD YYYYMMDDTHHMM YYYYMMDDTHHMMZ (universal time) YYYYMMDDTHHMM±HHMM (time zone) where "T" represents itself, ie letter T	M	IssueDateTime	
3	Document type Invoice (recognised as original for accounting and tax purposes) Copy invoice (for electronic processing only); the original (paper) invoice remains authoritative	D	DocumentType <i>Invoice</i>  <i>CopyInvoice</i>	
4	Document references (repeatable) Reference type Bill of Lading reference Buyer's order reference (when the whole invoice refers to a single order) Carrier's proprietary tracking reference Ship notice / despatch advice reference SSCC-18 standard package number Reference Reference date YYYYMMDD. A date or date-time may be included, but not both. Reference date-time (for format options see line 2)	D M     D D D	ReferenceCoded. ReferenceTypeCode <sup>2</sup> <i>BOLReference</i> <i>BuyersOrderReference</i>  <i>CarrierTrackingReference</i> <i>ASNReference</i> <i>SSCC-18</i> ReferenceNumber ReferenceDate  ReferenceDateTime	R
5	Document function New document sent for the first time Copy of a document previously sent Document sent for test purposes only	M	PurposeCode <i>Original</i> <i>Duplicate</i> <i>Test</i>	
6	Invoice currency Values: ISO 4217 currency codes	D	CurrencyCode	
7	Country code: ISO 3166-1 country code. If the currency is legal tender in more than one country, used to indicate the price details are specific to that country	D	CountryCode	
8	Invoice dates (repeatable) Date YYYYMMDD Date qualifier code Meter date (the date when a CDF shipment was weighed and metered) Tax point date (required in VAT invoices even when the same as the Invoice Date)	D M M	DateCoded. Date DateQualifierCode <i>MeterDate</i>  <i>TaxPointDate</i>	R

<sup>1</sup> In the column headed "M", "M" means mandatory and "D" means dependent.

<sup>2</sup> Purchase order references do not appear in the header. They may be carried either at the start of the Detail element, or within each line item.



## Header (continued)

	Element	M	Invoice.Header.	
14	Means of delivery Requested delivery time (controlled list of standard values) Use specified vendor delivery service (values defined by vendor) Send by specified carrier. Must include either a coded carrier name or a free-text carrier name or both. Coded carrier name Coding scheme type ( <i>EDItEUR, Seller, Buyer, DE, GB, SE or US</i> ) Carrier name code Free text carrier name Use specified carrier delivery service (values defined by carrier) Free text delivery instruction	D D D D D M M D D	Delivery. DeliveryTimeCode VendorDeliveryService Carrier. CarrierNameCoded CarrierNameCodeType CarrierNameCode CarrierName CarrierService DeliveryNotes	
15	Terms: credit period Number of days from date of invoice; or Due date YYYYMMDD, or Extension to default credit period	D D D D	PaymentTerms. NetDaysDue NetDueDate ExtendedDays	
16	Payment terms specified using a code Coding scheme ( <i>Seller, Buyer, AU, DE, GB, NO, SE or US</i> ) Code value	D M M	PaymentTermsCoded PaymentTermsCodeType PaymentTermsCode	
17	Settlement discount terms Number of days from date of invoice Discount percentage	D M M	SettlementDiscount NumberOfDays DiscountPercentage	R

## Order detail

The OrderDetail element provides an additional level in the document structure within which there may optionally be order references and order-related additional charges. An unlimited number of repeats of the ItemDetail element may be nested within an instance of the OrderDetail element, and the OrderDetail element is itself repeatable. If an invoice contains items from different orders and there are no order-related charges, allowances or messages, the element OrderDetail layer may be omitted.

	Element	D	Invoice. OrderDetail.	R
1	Document references (repeatable) Reference type Buyer's order reference Contract reference End-customer's order reference (for an order placed by the buyer on behalf of a customer) Promotion or deal reference Seller's order reference Seller's representative order reference Reference Reference date YYYYMMDD Reference date-time (for format options see Header line 2)	D M D D D D D D D	ReferenceCoded. ReferenceTypeCode <i>BuyersOrderReference</i> <i>ContractReference</i> <i>CustomerOrderReference</i> <i>PromotionOrDealReference</i> <i>SuppliersOrderReference</i> <i>RepOrderReference</i> ReferenceNumber ReferenceDate ReferenceDateTime	R



**Line item detail**

If an invoice contains items from different orders and there are no order-related charges, allowances or messages, the element OrderDetail layer may be omitted.

	Element	D	Invoice.ItemDetail.	R
			Invoice.OrderDetail.ItemDetail.	
1	Line item number: a sequence number starting at 1 in each document.	M	LineNumber	
2	Product identifier (repeatable) Product ID type – values <i>ISBN (10-digit), EAN13 (use also for ISBN-13), UPC, ISMN, GTIN14, SKU, Seller</i> (use for a supplier-defined product ID), <i>Buyer</i> (use for a customer-defined product ID), <i>Proprietary</i> (use for a third-party proprietary scheme, which must be named in the element IDTypeName). Name of proprietary product ID scheme. Mandatory if the scheme is 'Proprietary'. Product number	M	ProductID.	R
		M	ProductIDType	
		D	IDTypeName	
		M	Identifier	
3	Item description (not usually sent in trade orders) Author/title etc as a single element	D	ItemDescription.	
		M	TitleDetail	
4	Item Related Party; used where the ordered item can only be fully identified with reference to some third party, e.g. an importer or bankrupt stock owner Related party role (code list to be defined) Main identifier ( <i>SAN, EAN, VKNR, NBSN</i> ) Additional identifiers, eg VAT number Party name Address Communication details (phone, fax etc) Contacts Country where located. Must be specified when needed for tax purposes.	D	ItemRelatedParty.	R
		D	PartyRole	
		M	PartyID	
		D	AdditionalPartyID	R
		D	PartyName	
		D	PostalAddress	
		D	CommunicationDetails	R
		D	ContactPerson	R
D	CountryCode			
5	Quantity invoiced	M	InvoicedQuantity	
6	Line item references (repeatable) Reference type Buyer's order reference (when the invoice includes line items from different orders) Buyer's unique order line reference End customer order reference (if item is required by the buyer to meet a specific customer order) Buyer's reservation number Contract reference Promotion or deal reference Supplier's order reference (when the invoice includes line items from different orders) Seller's representative order reference Reference Reference date YYYYMMDD A date or date-time may be included, but not both. Reference date-time (for format options see Header line 2)	D	ReferenceCoded.	R
		M	ReferenceTypeCode <i>BuyersOrderReference</i> <i>BuyersOrderLineReference</i> <i>CustomerOrderReference</i> <i>BuyersReservationReference</i> <i>ContractReference</i> <i>PromotionOrDealReference</i> <i>SuppliersOrderReference</i> <i>RepOrderReference</i>	
		D	ReferenceNumber	
		D	ReferenceDate	
		D	ReferenceDateTime	



## Line item detail (continued)

	Element	D	Invoice.ItemDetail.	R
			Invoice.OrderDetail.ItemDetail.	
9	<p>Additional charge (at line item level)</p> <p>Charge type. The following code values have been defined for use in CDF invoicing, but may be used more generally if applicable:</p> <ul style="list-style-type: none"> <li>Shipping charge</li> <li>Gift wrapping charge</li> <li>Handling charge (other than shipping)</li> <li>Other charge – see description</li> </ul> <p>Charge type description</p> <p>Charge reference (repeatable composite)</p> <p>Charge calculation</p> <ul style="list-style-type: none"> <li>Number of units</li> <li>Rate per unit</li> </ul> <p>Charge amount excluding tax (required only if tax must be accounted for)</p> <p>Tax on additional charge (in countries where tax must be accounted for) (non-repeating)</p> <ul style="list-style-type: none"> <li>Tax type – values <i>GST, VAT</i></li> <li>Tax rate code</li> <li>Tax rate percent</li> <li>Tax amount</li> </ul> <p>Charge amount</p> <p>Currency: ISO 4217 currency codes</p> <p>Country code: ISO 3166-1 country code. If the currency is legal tender in more than one country, used to indicate the charge details are specific to that country</p>	<p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>M</p> <p>M</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p>	<p>AdditionalCharge.</p> <p>ChargeTypeCode</p> <p><i>Shipping</i></p> <p><i>GiftWrapping</i></p> <p><i>Handling</i></p> <p><i>Other</i></p> <p>ChargeTypeDescription</p> <p>ReferenceCoded</p> <p>ChargeCalculation</p> <p>ChargeQuantity</p> <p>AmountPerUnit</p> <p>ChargeAmountExcludingTax</p> <p>Tax.</p> <p>TaxTypeCode</p> <p>TaxRateCode</p> <p>Percent</p> <p>TaxAmount</p> <p>ChargeAmount</p> <p>CurrencyCode</p> <p>CountryCode</p>	<p>R</p> <p>R</p>
10	<p>Allowance (at line item level)</p> <p>Allowance type.</p> <ul style="list-style-type: none"> <li>Other allowance – see description</li> </ul> <p>Allowance type description</p> <p>Allowance reference (repeatable composite)</p> <p>Allowance calculation</p> <ul style="list-style-type: none"> <li>Number of units</li> <li>Rate per unit</li> </ul> <p>Allowance amount excluding tax (required only if tax must be accounted for)</p> <p>Tax on additional allowance (in countries where tax must be accounted for) (non-repeating)</p> <ul style="list-style-type: none"> <li>Tax type – values <i>GST, VAT</i></li> <li>Tax rate code</li> <li>Tax rate percent</li> <li>Tax amount</li> </ul> <p>Allowance amount</p> <p>Currency: ISO 4217 currency codes</p> <p>Country code: ISO 3166-1 country code. If the currency is legal tender in more than one country, used to indicate the charge details are specific to that country</p>	<p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>M</p> <p>M</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p>	<p>AdditionalAllowance.</p> <p>AllowanceTypeCode</p> <p><i>Other</i></p> <p>AllowanceTypeDescription</p> <p>ReferenceCoded</p> <p>AllowanceCalculation</p> <p>AllowanceQuantity</p> <p>AmountPerUnit</p> <p>AllowanceAmountExcludingTax</p> <p>Tax.</p> <p>TaxTypeCode</p> <p>TaxRateCode</p> <p>Percent</p> <p>TaxAmount</p> <p>AllowanceAmount</p> <p>CurrencyCode</p> <p>CountryCode</p>	<p>R</p> <p>R</p>
11	Line total excluding tax, after discount and including additional charges	D	LineTotalExcludingTax	

## Line item detail (continued)

	Element	D	Invoice.ItemDetail.	R
			Invoice.OrderDetail.ItemDetail.	
12	Message required at line item level (absence of this element means "no message required") (repeatable). The specified message is to be included in all documents relating to the order line. Message type: code string values 01 to 99 defined by trading partner agreement Message content (repeatable)	D  M M	Message  MessageType MessageLine	R   R

## Additional charges and allowances

(Charges and allowances applied to the invoice as a whole)

	Element	D	Invoice.InvoiceAdditionalCharge.	R
1	Charge type. The following code values have been defined for use in CDF invoicing, but may be used more generally if applicable: Shipping charge Gift wrapping charge Handling charge (other than shipping) Other charge – see description	M	ChargeTypeCode  <i>Shipping</i> <i>GiftWrapping</i> <i>Handling</i> <i>Other</i>	
2	Charge type description	D	ChargeTypeDescription	
3	Charge reference (repeatable composite)	D	ReferenceCoded	R
4	Charge calculation Number of units Rate per unit	D M M	ChargeCalculation ChargeQuantity AmountPerUnit	
5	Charge amount excluding tax (required only if tax must be accounted for)	D	ChargeAmountExcludingTax	
6	Tax on additional charge (in countries where tax must be accounted for) (non-repeating) Tax type – values <i>GST</i> , <i>VAT</i> Tax rate code Tax rate percent Tax amount	D M D D D	Tax.  TaxTypeCode TaxRateCode Percent TaxAmount	
7	Charge amount	M	ChargeAmount	
8	Currency: ISO 4217 currency codes	D	CurrencyCode	
9	Country code: ISO 3166-1 country code. If the currency is legal tender in more than one country, used to indicate the charge details are specific to that country	D	CountryCode	

	Element	D	Invoice.InvoiceAdditionalAllowance.	R
10	Allowance type. Other allowance – see description	M	AllowanceTypeCode <i>Other</i>	
11	Allowance type description	D	AllowanceTypeDescription	
12	Allowance reference (repeatable composite)	D	ReferenceCoded	R
13	Allowance calculation Number of units Rate per unit	D M M	AllowanceCalculation AllowanceQuantity AmountPerUnit	

**Additional allowances** (continued)

	Element	D	Invoice.InvoiceAdditionalAllowance.	R
14	Allowance amount excluding tax (required only if tax must be accounted for)	D	AllowanceAmountExcludingTax	
15	Tax on additional allowance (in countries where tax must be accounted for) (non-repeating) Tax type – values GST, VAT Tax rate code Tax rate percent Tax amount	D M D D D	Tax.  TaxTypeCode TaxRateCode Percent TaxAmount	
16	Allowance amount	M	AllowanceAmount	
17	Currency: ISO 4217 currency codes	D	CurrencyCode	
18	Country code: ISO 3166-1 country code. If the currency is legal tender in more than one country, used to indicate the charge details are specific to that country	D	CountryCode	

**Trailer**

	Element	M	Invoice.Summary.	R
1	Number of line items	M	NumberOfLines	
2	Sum of invoiced quantities – all lines	D	UnitsInvoiced	
3	Invoice total excluding tax (in countries where tax must be accounted for)	D	TotalExcludingTax	
4	Invoice total tax (in countries where tax must be accounted for)	D	TotalTax	
5	Invoice total payable	M	TotalPayable	
4	Invoice tax summary (repeatable for each tax type and rate occurring in the invoice, in countries where tax must be accounted for) Tax type Tax rate code Tax rate percent Total amount taxable at this rate Total amount of tax at this rate	D M D D D D	Tax.  TaxTypeCode TaxRateCode Percent AmountTaxable TaxAmount	R