



EDItX XML transaction document formats

BOOK TRADE INVOICE FORMAT

Version 1.0, March 2007

This document is an outline description of the EDItX Trade Invoice transaction format, intended only to give a broad overview of, and an introduction to, the format. The full specification will be contained in a navigable HTML *User Guide*.

Version 1.0 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). For invoices from library book suppliers to libraries, see the EDItX Library Invoice format. Each of these Invoice formats is based on a set of common elements and a consistent overall structure, but each has additional functionality specific to its application.

This draft 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.

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](#).

1. *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.

A separate format is being developed to cover invoices for a list of shipments over a specified period.

The revised draft also now 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.

The XML schema for Version 1.0 of the EDItX Trade Invoice format, together with the *HTML User Guide*, will be found at www.editeur.org.

BOOK TRADE INVOICE**Document name and version**

Invoice Version 1.0	<Invoice version="1.0">
---------------------	-------------------------

Header

	Element	M ¹	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>	
3	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	D M D D	ReferenceCoded. ReferenceTypeCode ² <i>BOLReference</i> <i>BuyersOrderReference</i> <i>CarrierTrackingReference</i> <i>ASNReference</i> <i>SSCC-18</i> ReferenceNumber ReferenceDate	R
4	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>	
5	Invoice currency Values: ISO 4217 currency codes	D	CurrencyCode	
6	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	
7	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

¹ In the column headed "M", "M" means mandatory and "D" means dependent.

² 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.	
8	Buyer Party (bill and ship to, unless otherwise stated) Main identifier (<i>SAN, GLN, VKNR, NBSN</i>) Additional identifiers. As above list plus: <i>BAGNR, TaxRegistrationNumber, VATRegistrationNumber</i> Party name Address Communication details (phone, fax etc) Contacts Country where located. Must be specified when needed for tax purposes.	M M D D D D D D	BuyerParty. PartyID AdditionalPartyID PartyName PostalAddress CommunicationDetails ContactPerson CountryCode	
9	Vendor / Supplier ³	M	SellerParty.	
10	Ship to / Deliver to ² (if different from buyer)	D	ShipToParty.	
11	Bill to / Invoice to ² (if different from buyer)	D	BillToParty.	
12	Shipping detail (the warehouse location from which the items have been or are being shipped) Location must contain at least one location identifier or one location name or both. Location identifier Location name	D M D D	ShippedFrom. Location LocationIdentifier LocationName	R
13	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 D	Delivery. DeliveryTimeCode VendorDeliveryService Carrier. CarrierNameCoded CarrierNameCodeType CarrierNameCode CarrierName CarrierService DeliveryNotes	
14	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	
15	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	
16	Settlement discount terms Number of days from date of invoice Discount percentage	D M M	SettlementDiscount NumberOfDays DiscountPercentage	R

³ All of elements 9, 10 and 11 have the same structure as 8.

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.

	Element	M	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	D M D D	ReferenceCoded. ReferenceTypeCode <i>BuyersOrderReference</i> <i>ContractReference</i> <i>CustomerOrderReference</i> <i>PromotionOrDealReference</i> <i>SellersOrderReference</i> <i>RepOrderReference</i> ReferenceNumber ReferenceDate	R
2	Additional charge at order level (repeatable) Charge type Charge type description Charge reference (repeatable composite) Charge calculation Number of units Rate per unit Charge amount excluding tax (required only if tax must be accounted for) Tax on additional charge (in countries where tax must be accounted for) (non-repeating) Tax type Tax rate code Tax rate percent Tax amount Charge amount Currency: ISO 4217 currency codes 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 M D D D M M D D M D D D M D D	OrderAdditionalCharge. ChargeTypeCode ChargeTypeDescription ReferenceCoded ChargeCalculation ChargeQuantity AmountPerUnit ChargeAmountExcludingTax Tax. TaxTypeCode TaxRateCode Percent TaxAmount ChargeAmount CurrencyCode CountryCode	R R
3	Allowance (at order level) Allowance type Allowance type description Allowance reference (repeatable composite) Allowance calculation Number of units Rate per unit Allowance amount excluding tax (required only if tax must be accounted for) Tax on additional allowance (in countries where tax must be accounted for) (non-repeating) Tax type Tax rate code Tax rate percent Tax amount Allowance amount	D M D D D M M D D M D D D M	OrderAdditionalAllowance. AllowanceTypeCode AllowanceTypeDescription ReferenceCoded AllowanceCalculation AllowanceQuantity AmountPerUnit AllowanceAmountExcludingTax Tax. TaxTypeCode TaxRateCode Percent TaxAmount AllowanceAmount	R R

Order detail (continued)

	Element	M	Invoice. OrderDetail.	R
4	Message included at order level (absence of this element means "no message included") (repeatable). The specified message is in all documents relating to the order. Message type: values 01 to 99 defined by trading partner agreement Message content (repeatable)	D M M	Message. MessageType MessageLine	R R
5	Line items (repeatable)	D	ItemDetail (see next page)	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. Invoice.OrderDetail.ItemDetail.	R
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)</i> , <i>EAN13</i> (use also for <i>ISBN-13</i>), <i>UPC</i> , <i>ISMN</i> , <i>GTIN14</i> , <i>SKU</i> , <i>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 M D M	ProductID. ProductIDType IDTypeName Identifier	R
3	Item description (not usually sent in trade orders) Author/title etc as a single element	D M	ItemDescription. 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</i> , <i>EAN</i> , <i>VKNR</i> , <i>NBSN</i>) Additional identifiers, eg VAT number Party name Address Communication details (phone, fax etc) Contacts	M D M D D D D D	ItemRelatedParty. PartyRole PartyID AdditionalPartyID PartyName PostalAddress CommunicationDetails ContactPerson	R R R R
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) 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	D M D D D D D D D	ReferenceCoded. ReferenceTypeCode <i>BuyersOrderReference</i> <i>BuyersOrderLineReference</i> <i>CustomerOrderReference</i> <i>ContractReference</i> <i>PromotionOrDealReference</i> <i>SuppliersOrderReference</i> <i>RepOrderReference</i> ReferenceNumber ReferenceDate	R

Line item detail (continued)

	Element	D	Invoice.ItemDetail.	R
			Invoice.OrderDetail.ItemDetail.	
10	Allowance (at line item level) Allowance type Allowance type description Allowance reference (repeatable composite) Allowance calculation Number of units Rate per unit Allowance amount excluding tax (required only if tax must be accounted for) Tax on additional allowance (in countries where tax must be accounted for) (non-repeating) Tax type Tax rate code Tax rate percent Tax amount Allowance amount	D M D D D M M M D M D D D M	AdditionalAllowance. AllowanceTypeCode AllowanceTypeDescription ReferenceCoded AllowanceCalculation AllowanceQuantity AmountPerUnit AllowanceAmountExcludingTax Tax. TaxTypeCode TaxRateCode Percent TaxAmount AllowanceAmount	R R
11	Line total excluding tax, after discount and including additional charges	D	LineTotalExcludingTax	
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: 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	M	ChargeTypeCode	
2	Charge type description	D	ChargeTypeDescription	
3	Charge reference (repeatable composite)	D	ReferenceCoded	R
4	Charge calculation	D	ChargeCalculation	
	Number of units	M	ChargeQuantity	
	Rate per unit	M	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)	D	Tax.	
	Tax type	M	TaxTypeCode	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	Percent	
	Tax amount	D	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
8	Allowance type	M	AllowanceTypeCode	
9	Allowance type description	D	AllowanceTypeDescription	
10	Allowance reference (repeatable composite)	D	ReferenceCoded	R
11	Allowance calculation	D	AllowanceCalculation	
	Number of units	M	AllowanceQuantity	
	Rate per unit	M	AmountPerUnit	
12	Allowance amount excluding tax (required only if tax must be accounted for)	D	AllowanceAmountExcludingTax	
13	Tax on additional allowance (in countries where tax must be accounted for) (non-repeating)	D	Tax.	
	Tax type	M	TaxTypeCode	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	Percent	
	Tax amount	D	TaxAmount	
14	Allowance amount	M	AllowanceAmount	

Trailer

	Element	M	Invoice.Summary.	
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)	D	Tax.	R
	Tax type	M	TaxTypeCode	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	Percent	
	Total amount taxable at this rate	M	AmountTaxable	
	Total amount of tax at this rate	M	TaxAmount	