



EDItX XML transaction document formats



## STOCK ENQUIRY & RESPONSE / STATUS REPORT

Version 1.0, May 2003, revised February 2004

This document defines EDItX XML formats to cover (a) stock enquiries sent by booksellers to wholesalers, distributors and publishers, (b) responses to such enquiries sent by suppliers, and (c) stock status reports sent proactively by suppliers (ie, not in response to a specific enquiry). The same XML format is used for (b) and (c).

The document specifies a request format and a response/status report format.

The request format (<StockEnquiry>) allows a buyer to send an enquiry to a source of stock information – usually but not necessarily a supplier – specifying:

- (a) The supplier(s) and/or warehouse locations for which stock information is required;
- (b) The types of stock quantity to be included in the reply: on-hand, on-order and/or committed back order (“CBO”);
- (c) Whether the response should be limited to stock detail only, or should include brief biblio detail and/or price; and
- (d) A list of product codes.

The response or report format (<StockReport>) allows the source to send the following content:

- (a) A response code specifying a problem which has prevented either a whole enquiry or an individual line item from being successfully processed;
- (b) For each product ID, brief bibliographic detail and current list price; and
- (c) For each supplier and/or stock location:
  - The quantity on-hand, on-order and CBO
  - The availability status for items for which no stock position can be reported
  - The expected availability date for an on-order item
  - The expected lead time for an item which is supplied on an only-to-order basis
- (d) A free text message relating to a particular product item.

See next page for a list of changes since the previous draft, and for a note of outstanding issues.

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 Internet Commerce Committee](#). In the UK and the rest of the world, please send comments by email to [EDItEUR](#).

### Changes made February 2004

General: replaced the word “message” with “document”; changed the presentation of a number of composite elements to show the structure of the composite more accurately.

At head of each document specification: inserted a new section for “Document name and version”, using a version number attribute on the document name element.

In each document, Header line 2: added details of <IssueDateTime> formats.

In each document, Detail line 2: added *GTIN14* and *SKU* to permitted values for <ProductIDType>.

Stock Enquiry, Header line 5 and 6: a significant change has been made to the structure of the SourceParty element and the relationship between SourceParty and SupplierParty. If, as is usually the case, the source to whom the enquiry is addressed is also the supplier, and has more than one location, the locations can now be listed within SourceParty without requiring a separate SupplierParty element. SupplierParty is now reserved to be used only when the supplier is *not* the source to whom the enquiry is addressed. It is felt that this is clearer and more consistent with general EDItX practise. The example on page 8 has been changed accordingly.

Stock Report, Detail line 4: <ProductForm> has been moved to a new position, for consistency with the <ItemDescription> composite in other EDItX documents.

Stock Report, Detail lines 5, 6: combined and expanded to show <Price> element structure.

Stock Report, Detail line 6 (was 7): <AvailabilityCode> and <OnSaleDate> changed to <SupplierStockAvailability> and <ConsumerOnSaleDate> respectively, for consistency with Order Response / Order Status; values for <SupplierStockAvailability> added as Table 1.

Stock Report, Detail line 7 (was 8): changed <ItemMessage> to <ItemNotes>, for consistency with usage of “message” and “notes” in other EDItX documents.

Stock Report, Detail: line numbering corrected on page 5.

Stock Report, Trailer, lines 2, 3, 4: changed “<Total...” to “<Units...”, for consistency with other EDItX documents.

Stock Enquiry example, page 8: corrected an error in the placing of the </Header> element.

### Outstanding issues, February 2004

The only known outstanding issues are:

- (a) Those relating to the coding of certain elements in the <Party> structure (Stock Enquiry Header lines 4 to 6, Stock Report Header lines 7 and 8) which appear in all EDItX Version 1.0 documents:

Code values for <PartyIDType> for the mandatory main <PartyID> are limited to *SAN* and *EAN* (for EAN-UCC Global Location Number). Except in the Library Order, code values for <PartyIDType> for the optional <AdditionalPartyID> are limited to *TaxRegistrationNumber* and *SellersAccountNumber*. The latter is not well defined.

No code list has been established for <ContactRoleCode> within the <ContactPerson> element. Since a contact person for the transaction can be named without specifying a role, this is considered to be low priority.

- (b) The treatment of SupplierStockAvailability in the Stock Report, Detail line 6, and the associated code list. See page 2 of the EDItX Order Response/Order Status Report specification for details.

## STOCK ENQUIRY

### Document name and version

	Stock Enquiry Version 1.0	<StockEnquiry version="1.0">
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### Header

	Element	M <sup>1</sup>	StockEnquiry.Header.
1	Stock enquiry number	M	StockEnquiryNumber
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 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>
4	Buyer Party Party identifier Book trade Standard Address Number EAN location number / GLN Party name	M M D	BuyerParty. PartyID.PartyIDType SAN EAN PartyName
5	Source Party: source of stock information to whom the request is addressed, normally but not necessarily the supplier. Party identifier ( <i>SAN, EAN etc</i> ) Party name Location name (repeatable, if the source is a supplier who has multiple locations)	M M D D	SourceParty.  PartyID PartyName LocationName
6	Supplier <sup>2</sup> and/or stock location (repeatable). Required only if the source is not the supplier. Party identifier ( <i>SAN, EAN etc</i> ) Party name Location name (repeatable, if there are multiple locations for a single supplier)	D M D D	SupplierParty.  PartyID PartyName LocationName
7	Requested quantity type (repeatable, at least one occurrence is mandatory) – values <i>OnHand, OnOrder, CBO</i>	M	StockQuantityType
8	Additional content requested (repeatable) Values: <i>Biblio, Price</i>	D	Include

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

<sup>2</sup> Elements 5 and 6 have the same structure.

**Request detail**

One "line" for each product

		<b>M</b>	<b>StockEnquiry.RequestDetail.</b>
1	Request "line" number: a sequence number starting at 1 in each document.	M	LineNumber
2	Product identifier (repeatable)	M	ProductID.
	Product ID type – values <i>ISBN, EAN13, UPC, ISMN, GTIN14, SKU</i>	M	ProductIDType
	Product number	M	Identifier

**Trailer**

		<b>M</b>	<b>StockEnquiry.Summary.</b>
1	Number of request detail "lines"	M	NumberOfLines

**STOCK REPORT****Document name and version**

Stock Report Version 1.0	<StockReport version="1.0">
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**Header**

	<b>Element</b>	<b>M</b>	<b>StockReport.Header.</b>
1	Stock report number	M	StockReportNumber
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 references (repeatable)	D	ReferenceCoded
	Reference type	M	ReferenceTypeCode
	Stock enquiry number (mandatory when responding to a stock enquiry)		<i>StockEnquiryNumber</i>
	Reference	D	ReferenceNumber
	Reference date YYYYMMDD	D	ReferenceDate
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>

**Header (continued)**

	Element	M	StockReport.Header.
5	Response status (mandatory when responding to a stock enquiry). If the value is other than <i>Successful</i> , no Report Item Detail is sent, and the document consists only of header and trailer. Stock enquiry was processed successfully Stock enquiry could not be processed because of errors eg in document syntax Stock enquiry cannot be processed now: system unavailable Sender of request does not have an account which permits stock enquiry	D	ResponseStatus  <i>Successful</i> <i>RequestInvalid</i>  <i>SystemUnavailable</i>  <i>AccountInvalid</i>
6	Pricing currency, if prices are included Values: ISO 4217 currency codes	D	CurrencyCode
7	Buyer Party Party ID ( <i>SAN, EAN etc</i> ) Party name and address	M M D	BuyerParty. PartyID PartyName
8	Source Party <sup>3</sup> : sender of stock information, normally but not necessarily the seller	M	SourceParty

**Report item detail**

One "line" for each product for which stock is reported.

		D	StockReport.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, EAN13, UPC, ISMN, GTIN14, SKU</i> Product number	M M M	ProductID. ProductIDType  Identifier
3	Response status. Value: <i>NoDataAvailable</i> (if the product number cannot be traced). If this element is present, none of lines 4 through 8 should be sent.	D	ResponseLineStatus
4	Item description (only if biblio detail was requested) Product form Title Author (repeatable) Subject category (repeatable) Publisher name Publication year	D D M D D D D	ItemDescription. ProductForm Title Author Subject PublisherName YearOfPublication
5	Publisher's list price (only if price was requested) Price amount Currency: ISO 4217 currency codes Price type Fixed retail price including tax if any <sup>4</sup> Fixed retail price excluding tax if any SRP including tax where applicable SRP excluding tax	D M D M	PricingDetail.Price. MonetaryAmount CurrencyCode PriceQualifierCode <i>FixedRPIncludingTax</i> <i>FixedRPExcludingTax</i> <i>SRPIncludingTax</i> <i>SRPExcludingTax</i>

<sup>3</sup> Header elements 7 and 8 have the same structure.

<sup>4</sup> Fixed retail prices apply only in countries where some or all books are subject by law to retail price maintenance, and specifically not in the US and UK.

**Report item detail (continued)**

		<b>D</b>	<b>StockReport.ItemDetail.</b>
6	Stock detail (one instance per line is mandatory unless the ResponseStatus element is sent; the composite may be repeated if and only if stock is reported for multiple suppliers and/or locations) Supplier and stock location <sup>5</sup> Party identifier Party name Location name Quantity on hand Quantity on order Committed backorder quantity (dues) Availability status (when no stock quantity can be reported, eg for POD or OTO): for values see Table 1 Expected availability date for stock not on hand or not yet available for release (ie, the date when stock will ship from supplier) On sale date for a forthcoming title (ie the date before which retail sales are embargoed) Expected order time for non-stock item Stock movement rate or velocity (repeatable) Velocity type code Maximum daily sale Velocity value	D D D D M D D D D D D D D M M	Stock.  SupplierParty PartyID PartyName LocationName OnHand OnOrder CBO SupplierStockAvailability  ExpectedShipDate  ConsumerOnSaleDate  OrderTime Velocity. Velocity Code <i>MaximumDailySale</i> VelocityValue
7	Item notes – free text	D	ItemNotes

**Trailer**

		<b>M</b>	<b>StockEnquiry.Summary.</b>
1	Number of Report Item Detail lines	M	NumberOfLines
2	Total number of stock units reported On Hand	D	UnitsOnhand
3	Total number of stock units reported On Order	D	UnitsOnOrder
4	Total number of stock units reported CBO	D	UnitsCBO

<sup>5</sup> SupplierParty here has the same structure as in the Stock Enquiry header.

**Table 1: supplier stock availability status codes**

These codes will be kept consistent with ONIX Books supplier stock availability codes, but in EDItX are sent as readable strings.

<b>No</b>	<b>Value</b>	<b>Description</b>
1	<i>NotYetPublished</i>	Not yet published (may or may not be a stock or POD item when published) – <b>must</b> give expected availability date in <i>ExpectedShipDate</i>
2	<i>NotYetPublishedStock</i>	Not yet in stock (will be a stock item when published) – <b>must</b> give expected availability date in <i>ExpectedShipDate</i>
3	<i>NotYetPublishedPOD</i>	Not yet published (will be POD when published) – <b>must</b> give expected availability date in <i>ExpectedShipDate</i>
4	<i>Available</i>	Stock item, in stock
5	<i>AvailablePOD</i>	Manufactured on demand – may give estimated time to supply in <i>OrderTime</i>
6	<i>OnlyToOrder</i>	Non-stock item, may be available by special order – may give estimated time to supply in <i>OrderTime</i>
7	<i>TemporarilyOutOfStock</i>	Stock item, temporarily out of stock – <b>must</b> give expected availability date in <i>ExpectedShipDate</i>
8	<i>OtherFormat</i>	Other format available – this format is not available, but another format is or will soon be available – give details of alternative product in <i>Substitute</i>
9	<i>NewEdition</i>	Replaced by new edition – this edition is no longer available, but a new edition is or will soon be available – give details of new edition in <i>Substitute</i>
10	<i>OutOfStockIndefinitely</i>	Stock item, out of stock indefinitely (may or may not become available again)
11	<i>CannotSupply</i>	Not available through us – permanently out of stock and not available for special order, including out of print
12	<i>Uncertain</i>	Availability uncertain – check with customer service

**EXAMPLE 1: Stock Enquiry**

In this example, the enquiry is for details of on-hand and on-order quantities of three ISBNs at a specified warehouse location.

<b>Start</b>	<StockEnquiry version="1.0">
<b>Header</b>	<Header>
	<StockEnquiryNumber>0179356</StockEnquiryNumber>
Date/time	<IssueDateTime>20020212T1421Z</IssueDateTime>
Test file	<PurposeCode>Test</PurposeCode>
	<BuyerParty>
	<PartyID>
Buyer SAN	<PartyIDType>SAN</PartyIDType>
	<Identifier>876345</Identifier>
	</PartyID>
	</BuyerParty>
	<SourceParty>
	<PartyID>
	<PartyIDType>SAN</PartyIDType>
Source SAN	<Identifier>542901</Identifier>
	</PartyID>
Location	<LocationName>Momence</LocationName>
	</SourceParty>
On hand	<StockQuantityType>OnHand</StockQuantityType>
On order	<StockQuantityType>OnOrder</StockQuantityType>
	</Header>
<b>Detail</b>	<RequestDetail>
<b>Request 1</b>	<LineNumber>1</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>0123406789</Identifier>
	</ProductID>
<b>Request 1</b>	<LineNumber>2</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>0123407893</Identifier>
	</ProductID>
<b>Request 1</b>	<LineNumber>3</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>012340893X</Identifier>
	</ProductID>
	</RequestDetail>
<b>Summary</b>	<Summary>
3 lines	<NumberOfLines>3</NumberOfLines>
	</Summary>
<b>End</b>	</StockEnquiry>



**EXAMPLE 2: Response to Stock Enquiry**

A response to the enquiry shown as Example 1.

<b>Start</b>	<StockReport version="1.0">
<b>Header</b>	<Header>
	<StockReportNumber>G341099</StockReportNumber>
Date/time	<IssueDateTime>20030212T1442Z</IssueDateTime>
	<ReferenceCoded>
Reply to enquiry	<ReferenceTypeCode>StockEnquiryNumber</ReferenceTypeCode>
No 0179356	<ReferenceNumber>0179356</ReferenceNumber>
	</ReferenceCoded>
Test file	<PurposeCode>Test</PurposeCode>
	<ResponseStatus>Successful</ResponseStatus>
	<BuyerParty>
	<PartyID>
Buyer SAN	<PartyIDType>SAN</PartyIDType>
	<Identifier>876345</Identifier>
	</PartyID>
	</BuyerParty>
	<SourceParty>
	<PartyID>
	<PartyIDType>SAN</PartyIDType>
Source SAN	<Identifier>542901</Identifier>
	</PartyID>
	</SourceParty>
	</Header>
<b>Detail</b>	<ItemDetail>
<b>Line 1</b>	<LineNumber>1</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>0123406789</Identifier>
	</ProductID>
	<Stock>
	<SupplierParty>
	<LocationName>Momence</LocationName>
	</SupplierParty>
	<OnHand>4</OnHand>
	<OnOrder>60</OnOrder>
	<ExpectedShipDate>20030218</ExpectedShipDate>
	</Stock>
	</ItemDetail>
<b>Line 2</b>	<ItemDetail>
	<LineNumber>2</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>0123407893</Identifier>
	</ProductID>

	<Stock>
	<SupplierParty>
	<LocationName>Momence</LocationName>
	</SupplierParty>
	<OnHand>0</OnHand>
	<OnOrder>20</OnOrder>
	<ExpectedShipDate>20030222</ExpectedShipDate>
	</Stock>
	</ItemDetail>
<b>Line 3</b>	<ItemDetail>
	<LineNumber>3</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN	<Identifier>012340893X</Identifier>
	</ProductID>
	<Stock>
	<SupplierParty>
	<LocationName>Momence</LocationName>
	</SupplierParty>
	<OnHand>240</OnHand>
	<OnOrder>4800</OnOrder>
	<ExpectedShipDate>20030214</ExpectedShipDate>
	</Stock>
	</ItemDetail>
<b>Summary</b>	<Summary>
3 lines	<NumberOfLines>3</NumberOfLines>
244 on hand	<TotalOnHand>244</TotalOnHand>
4880 on order	<TotalOnOrder>4880</TotalOnOrder>
	</Summary>
<b>End</b>	</StockReport>