



EDItX XML transaction document formats



STOCK ENQUIRY & RESPONSE / STATUS REPORT

Version 1.1, March 2007

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 Version 1.0.

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](#).

Changes from Version 1.0

- General Added a separate column to show whether an element is repeatable.
 Changed Version Number to 1.1 throughout.
 Lines re-numbered throughout to reflect insertions and deletions.
 Added new code values for ship notice references using 'Reference' instead of 'Number'. Code values ending in 'Number' are now deprecated. (The reason for this change is that a reference may be either a number or a date or both.)
- Page 4 Request header lines 4, 5 and 6: new party ID type 'VKNR' and 'NBSN'. 'VKNR' is an identifier used in the German book trade. 'NBSN' is an identifier used in the Norwegian book trade.
 Request header lines 4, 5 and 6: party ID type 'EAN' replaced by 'GLN' (this is now the official acronym to be used for EANs when they identify a location or party as opposed to a product).
 Request header lines 4 and 6: new element <CountryCode> added to the party composites (requested by European implementation groups, to enable a party's country to be specified for tax calculation purposes).
 Request header lines 5 and 6: element <LocationName> replaced by new composite <Location>.
- Page 5 Request header line 13: changed <SupplierParty> to <Supplier>, and added text in lines 4, 5 and 6 to state the difference between the structures used in these lines.
 Request detail line 2 (and page 6, report detail line 2): text amended to specify that <ProductID> may be repeated only if there are two or more identifiers of different types for the same item, and to clarify the use of <ProductIDType> codes for ISBN-10s and ISBN-13s.
 Request detail line 2: new product ID types 'Seller', 'Buyer' and 'Proprietary' added.
 Item detail line 2: new element <IDTypeName> added, to further identify a Proprietary scheme.
 Report header line 7: new element <CountryCode> added. (change requested by the German implementation group to allow for the fact that different prices in the same currency – Euros – may apply in different German-speaking countries because of different tax rates).
- Pages 6–7 Report header lines 8 and 9: new party ID types 'VKNR' and 'NBSN'.
 Report header lines 8 and 9: party ID type 'EAN' replaced by 'GLN'.
 Report header lines 8 and 9: new element <CountryCode> added to the party composites.
- Page 7 Report detail line 2: new product ID types 'Seller' and 'Buyer' added.
- Page 8 Report detail line 5: new code values 'TotalPriceIncludingTax' and 'TotalPriceExcludingTax' added to list used by <PriceQualifierCode>.
 Report detail line 5: new element <CountryCode> added to <Price>.
 Report detail line 5: new composite <Tax> added to <Price>.
 Report detail: added new line 6 to enable an offered discount to be specified.
 Report detail line 6: text amended to remove reference to 'SRP'; the price type may vary.
 Report detail line 6: composite element <Allowance> replaced by simple data element <DiscountPercentage>.

- Report detail line 7: new composite element <DiscountDetail> added (requested by the Norwegian implementation group, since in the Norwegian market orders frequently specify complex discounting arrangements).
- Page 9 Report detail line 8: changed <SupplierParty> to <Supplier>, and amended footnote to link it to the corresponding element in the Stock Enquiry header.
- Report detail line 8: made the <OnHand> element optional, and added wording to link the quantity elements explicitly to the quantities specified in the Stock Enquiry.
- Report detail line 8: element <LocationName> replaced by new composite <Location>.
- Report detail line 8: quantity elements renamed by adding the suffix 'Quantity' to each name.
- Report detail line 8: the former element SupplierStockAvailability has been replaced by composite AvailabilityCoded, which represents availability from the supplier, and allows an EDItEUR standard code list, or a sender's proprietary code list, or potentially other code lists to be used. There are two choices of EDItEUR standard code list: the two-digit numeric codes originally specified for use in ONIX product information messages; or longer alphabetical equivalent code values.
- Report detail line 8: new code value 'SellerRating' added to list used by <VelocityCode>
- Report detail line 8: new element <StockDetailDateTime> added to <Stock>, to carry (if available) the date and time at which the stock detail was reported.
- Pages 12-14 Amended the examples for consistency with these changes.

STOCK ENQUIRY

Document name and version

Stock Enquiry Version 1.1	<StockEnquiry version="1.1">
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Header

	Element	M ¹	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. The full "Party" structure is available to be used, but an identifier is mandatory and sufficient. Party identifier Book trade Standard Address Number EAN location number / GLN German <i>Verkehrsnummer</i> Party name Country where located. Must be specified when needed for tax purposes.	M M D D	BuyerParty. PartyID.PartyIDType <i>SAN</i> <i>GLN</i> <i>VKNR</i> PartyName CountryCode	
5	Source Party: source of stock information to whom the request is addressed, normally but not necessarily the supplier. The full "Party" structure is available to be used, but an identifier is mandatory and sufficient. Party identifier (<i>SAN, GLN, VKNR</i>) Party name Location (repeatable, if the source is a supplier who has multiple locations, and a report is requested on stock at more than one location). Must contain at least one location identifier or one location name or both. Location identifier Location name	M M D D D D	SourceParty. PartyID PartyName Location LocationIdentifier LocationName	 R R

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

Header (continued)

	Element	M	StockEnquiry.Header.	
6	Supplier and/or stock location (repeatable if the sender is asking a source to report stock availability from more than one supplier). Required only if the source is not the supplier. The Supplier composite does <i>not</i> have the full "Party" structure. Either PartyID or PartyName must be sent. Party identifier (<i>SAN, GLN, VKNR</i>) Party name Location (repeatable, if the supplier has multiple locations, and a report is requested on stock at more than one location). Must contain at least one location identifier or one location name or both. Location identifier Location name Country where located. Must be specified when needed for tax purposes.	D D D D D D	Supplier. PartyID PartyName Location LocationIdentifier LocationName CountryCode	R R R
7	Requested quantity type (repeatable up to a maximum of three occurrences) – values <i>OnHand, OnOrder, CBO</i>	M	StockQuantityType	R
8	Additional content requested (repeatable up to a maximum of two occurrences) – values: <i>Biblio, Price</i>	D	Include	R

Request detail

One "line" for each product

		M	StockEnquiry.RequestDetail.	R
1	Request "line" number: a sequence number starting at 1 in each document.	M	LineNumber	
2	Product identifier (may be repeated only if two or more identifiers of different types are sent) Product ID type – values <i>ISBN</i> (use only for a 10-character ISBN), <i>EAN13</i> (use for a 13-digit ISBN), <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

Trailer

		M	StockEnquiry.Summary.	
1	Number of request detail "lines"	M	NumberOfLines	

STOCK REPORT

Document name and version

Stock Report Version 1.1	<StockReport version="1.1">
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Header

Element	M	StockReport.Header.		
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) Reference type Stock enquiry reference (mandatory when responding to a stock enquiry) Reference Reference date YYYYMMDD	D M D D	ReferenceCoded ReferenceTypeCode <i>StockEnquiryReference</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	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	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	Buyer Party ² . The full "Party" structure is available to be used, but an identifier is mandatory and sufficient. Party identifier Book trade Standard Address Number EAN location number / GLN German <i>Verkehrsnummer</i> Party name Country where located. Must be specified when needed for tax purposes.	M M D D	BuyerParty. PartyID.PartyIDType <i>SAN</i> <i>GLN</i> <i>VKNR</i> PartyName CountryCode	

Header (continued)

	Element	M	StockReport.Header.	
9	Source Party ² : sender of stock information, normally but not necessarily the seller. The full "Party" structure is available to be used, but an identifier is mandatory and sufficient. Party identifier (<i>SAN, GLN, VKNR, NBSN</i>) Party name Country where located. Must be specified when needed for tax purposes.	M	SourceParty	
		M	PartyID	
		D	PartyName	
		D	CountryCode	

Report item detail

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

		D	StockReport.ItemDetail.	R
1	Line item number: a sequence number starting at 1 in each document.	M	LineNumber	
2	Product identifier (may be repeated only if two or more identifiers of different types are sent) Product ID type – values <i>ISBN</i> (use only for a 10-character ISBN), <i>EAN13</i> (use for a 13-digit ISBN), <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	ProductID.	R
		M	ProductIDType	
		D	IDTypeName	
		M	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 7 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	ItemDescription.	
		D	ProductForm	
		M	Title	
		D	Author	R
		D	Subject	R
		D	PublisherName	
		D	YearOfPublication	

² Header elements 7 and 8 have the same structure as header element 4 in the Stock Enquiry header.

Trailer

		M	StockEnquiry.Summary.
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

Table 1: EDItEUR availability codes

Used in AvailabilityCode (page 7, line 7). The code in the 'Value' column is used when the AvailabilityCodeType is specified as *EDItEURAlpha*. The code in the 'ONIX' column is used when the AvailabilityCodeType is specified as *EDItEURNumeric*.

No	Value	Description	ONIX
1	<i>Available</i>	Available from us (form of availability unspecified)	20
2	<i>AvailableInStock</i>	Available from us from stock	21
3	<i>AvailablePOD</i>	Available from us by POD	23
4	<i>AvailableToOrder</i>	Available from us as a non-stock item, by special order	22
5	<i>NotYetAvailable</i>	Not yet available	10
6	<i>NotYetAvailableWillBeStocked</i>	Not yet available: will be stocked when available	11
7	<i>NotYetAvailableWillBePOD</i>	Not yet available: will be published as print-on-demand only. May apply either to a POD successor to an existing conventional edition, when the successor will be published under a different ISBN (normally because different trade terms apply); or to a title that is being published as a POD original.	12
8	<i>ProductCanceled</i>	Product was announced, and subsequently abandoned	01
9	<i>TemporarilyUnavailable</i>	Temporarily unavailable from us (reason unspecified)	30
10	<i>TemporarilyUnavailableAwaitingReissue</i>	Temporarily unavailable, awaiting reissue	33
11	<i>TemporarilyUnavailableOutOfStock</i>	Stock item, temporarily out of stock	31
12	<i>TemporarilyUnavailableReprinting</i>	Temporarily unavailable, reprinting	32
13	<i>Unavailable</i>	Not available from us – reason unspecified	40
14	<i>UnavailableApplyDirect</i>	Not available to trade, apply direct to publisher	44
15	<i>UnavailableHasOtherFormat</i>	This product is unavailable, but the same content is or will be available from us in an alternative format	42
16	<i>UnavailableNewSupplier</i>	This product has been transferred to another supplier	43
17	<i>UnavailableNotSoldSeparately</i>	Must be bought as part of a set	45
18	<i>UnavailableRemaindered</i>	Remaindered	47
19	<i>UnavailableReplaced</i>	This product is unavailable, but a successor product or edition is or will be available from us	41
20	<i>UnavailableReplacedByPOD</i>	Out of print, but a print-on-demand edition is or will be available under a different ISBN. Use only when the POD successor has a different ISBN, normally because different trade terms apply.	48
21	<i>UnavailableWithdrawn</i>	Withdrawn from sale, eg for legal reasons	46
22	<i>Uncertain</i>	Apply to customer service	99

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.

Start	<StockEnquiry version="1.1">
Header	<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	<Location>
	<LocationName>Momence</LocationName>
	</Location>
	</SourceParty>
On hand	<StockQuantityType>OnHand</StockQuantityType>
On order	<StockQuantityType>OnOrder</StockQuantityType>
	</Header>
Request 1	<RequestDetail>
	<LineNumber>1</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN13	<Identifier>9780123406789</Identifier>
	</ProductID>
	</RequestDetail>
Request 2	<RequestDetail>
	<LineNumber>2</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN13	<Identifier>9780123407893</Identifier>
	</ProductID>
	</RequestDetail>
Request 3	<RequestDetail>
	<LineNumber>3</LineNumber>
	<ProductID>
	<ProductIDType>ISBN</ProductIDType>
ISBN13	<Identifier>978012340893X</Identifier>
	</ProductID>
	</RequestDetail>
Summary	<Summary>
3 lines	<NumberOfLines>3</NumberOfLines>
	</Summary>
End	</StockEnquiry>

EXAMPLE 2: Response to Stock Enquiry

A response to the enquiry shown as Example 1.

Start	<StockReport version="1.1">
Header	<Header>
	<StockReportNumber>G341099</StockReportNumber>
Date/time	<IssueDateTime>20030212T1442Z</IssueDateTime>
	<ReferenceCoded>
Reply to enquiry	<ReferenceTypeCode>StockEnquiryReference</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>
Detail	<ItemDetail>
Line 1	<LineNumber>1</LineNumber>
	<ProductID>
	<ProductIDType>EAN13</ProductIDType>
ISBN13	<Identifier>9780123406789</Identifier>
	</ProductID>
	<Stock>
	<Supplier>
Location	<Location>
	<LocationName>Momence</LocationName>
	</Location>
	</Supplier>
	<OnHandQuantity>4</OnHandQuantity>
	<OnOrderQuantity>60</OnOrderQuantity>
	<ExpectedShipDate>20030218</ExpectedShipDate>
	</Stock>
	</ItemDetail>
Line 2	<ItemDetail>
	<LineNumber>2</LineNumber>
	<ProductID>
	<ProductIDType>EAN13</ProductIDType>
ISBN13	<Identifier>9780123407893</Identifier>
	</ProductID>

	<Stock>
	<Supplier>
Location	<Location>
	<LocationName>Momence</LocationName>
	</Location>
	</Supplier>
	<OnHandQuantity>0</OnHandQuantity>
	<OnOrderQuantity>20</OnOrderQuantity>
	<ExpectedShipDate>20030222</ExpectedShipDate>
	</Stock>
	</ItemDetail>
Line 3	<ItemDetail>
	<LineNumber>3</LineNumber>
	<ProductID>
	<ProductIDType>EAN13</ProductIDType>
ISBN13	<Identifier>978012340893X</Identifier>
	</ProductID>
	<Stock>
	<Supplier>
Location	<Location>
	<LocationName>Momence</LocationName>
	</Location>
	</Supplier>
	<OnHandQuantity>240</OnHandQuantity>
	<OnOrderQuantity>4800</OnOrderQuantity>
	<ExpectedShipDate>20030214</ExpectedShipDate>
	</Stock>
	</ItemDetail>
Summary	<Summary>
3 lines	<NumberOfLines>3</NumberOfLines>
244 on hand	<UnitsOnHand>244</UnitsOnHand>
4880 on order	<UnitsOnOrder>4880</UnitsOnOrder>
	</Summary>
End	</StockReport>