



Book Industry Communication

BIC Realtime

Standards for Instant Business Message Exchange

Trade Order Request and Order Response

Version 1.1, 2 February 2016

This document: <http://www.bic.org.uk/files/pdfs/BICWSTradeOrderRequestResponse-V1.1.pdf>
XML schema: <http://www.bic.org.uk/files/xml/BICWSTradeOrderRequestResponse-V1.1.xsd>
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This document specifies in human-readable form the *BIC Realtime* web services Order Request and Order Response formats for trade orders.

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Two separate formats are specified for Order Requests:

- an HTTP query format for use with implementations that use the basic HTTP protocol¹ and HTTP GET method – sometimes referred to as the REST approach
- an XML format for use with implementations that use either SOAP or the basic HTTP protocol and HTTP POST method.

The same Response format will apply to both basic HTTP and SOAP exchanges.

The complete specification of the *BIC Realtime* Order Request/Response web service includes two machine-readable resources that are to be used by implementers in conjunction with this document:

- a WSDL Definition for the SOAP protocol version of the *BIC Realtime* web service
- an XML Schema for Requests and Response payloads in XML format.

It is strongly recommended that SOAP client implementations of this *BIC Realtime* web service be constructed using the BIC WSDL Definitions as a starting point, as this will promote interoperability between SOAP client and server implementations. In some development environments it may be easier to implement a SOAP server without using the BIC WSDL Definitions, but in this case care must be taken to ensure that the WSDL Definitions that describe the actual implementation is functionally equivalent to the BIC WSDL Definitions.

These formats are closely based upon the EDItX Trade Order and Order Response (version 1.1) formats developed by EDItEUR.

Business requirements

¹ Throughout the term 'HTTP protocol' is to be interpreted as including secure internet protocols that are implemented either at the application layer (e.g. HTTPS) or are implemented at the transport layer (e.g. SSL/TLS).

This service will enable the use of *BIC Realtime* web services for the placing of orders by retailers (or possibly, in the case of smaller retailers, their agents) with wholesalers or distributors, or possibly the placing of orders by wholesalers with distributors, where this complements existing paper-based and electronic ordering methods. Using this service, the buyer can receive an immediate response to the order and not simply a technical acknowledgement of receipt.

The formats support a range of service levels suited to different types of business relationship between the parties involved and different types of order request. At its simplest, an order for quantities of a single identified product can be placed without the need to create an XML payload for the request. Using an XML payload, large and complex orders can be placed.

The real-time nature of *BIC Realtime* web services may lead to a growth in the placing of single-item orders. This will complicate the process by which a supplier determines how to combine orders for shipping.

An ordering service typically needs to communicate with other existing systems to determine the correct response to an order request. The EDItEUR order line status code list (see Table 1) has been extended to enable a wider range of responses, as are provided by systems that implement existing EDI standards.

Corrections and additions for Version 1.1 made February 2016

- | | |
|---------|---|
| General | Version number changed to '1.1' in both Request and Response specifications and examples. Corrections to page cross-references. |
| Page 4 | HTTP Request line 5: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived. HTTP Request line 10: Parameter 'OrderSourceLocationReference' added. |
| Page 5 | HTTP Request example: Value of request parameter 'AccountIDType' changed from '02' (value deprecated) to '01'. |
| Page 6 | Request header line 3: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived. Request header line 7: Value '24' (Order source location reference) added to code list. Request header line 7: Element <ReferenceDateTime> added to <ReferenceCoded>, to enable more precision in recording the time associated with an order reference, and for consistency with the EDItX Trade Order format. |
| Page 7 | Request header line 12: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived. Request header line 14: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived. Request header line 14: Element <LocationIdentifier> specified to be repeatable. Request header line 14: Documentation of missing elements <IDTypeName> and <IDValue> inserted. |
| Page 9 | Request detail line 6: Value '24' added to code list. Request detail line 6: Element <ReferenceDateTime> added to <ReferenceCoded>, to enable more precision in recording the time associated with an order line reference, and for consistency with the EDItX Trade Order format. Request detail line 7: Element <ShipToParty> added, for use when individual items on an order have different delivery destinations. Request detail line 10: Description of element <Price> changed to make it clear that <Price> must not be repeated within <PricingDetail>. |
| Page 10 | Request example: Value in element <AccountIDType> changed from '02' (value deprecated) to '01'. |

- Page 11 Response header line 4: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived.
Response header line 5: Description of value '01' changed to indicate that it should be used if the Request Header contained <IssueDateTime> but no <RequestNumber>.
Response header line 5: Value '24' added to code list.
- Page 12 Response Header line 7: Text added to description of value '03' and to description of element <ResponseTypeDescription> to indicate that a response of this kind should normally be accompanied by a reason in free text.
Response header line 9: Documentation of missing elements <LocationIDType>, <IDTypeName> and <IDValue> inserted.
- Page 13 Response detail line 6: Value '24' added to code list.
Response detail line 6: Element <ReferenceDateTime> added to <ReferenceCoded>, to enable more precision in recording the time associated with an order reference, and for consistency with the EDItX Trade Order format.
Response detail line 7: Description of element <Price> changed to make it clear that <Price> must not be repeated within <PricingDetail>.
- Page 14 Response detail line 12: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived.
Response detail line 12: Element <LocationIdentifier> specified to be repeatable.
Response detail line 20: Value '01' added to code list and value '02' marked as deprecated, for consistency with ONIX Code List 44 from which the code list is derived.
Response detail line 12: Element <LocationIdentifier> specified to be repeatable.
Response detail line 20: Documentation of missing elements <IDTypeName> and <IDValue> inserted.
- Page 15 Response detail line 21: Description of element <Price> changed to make it clear that <Price> must not be repeated within <PricingDetail>.
Response detail line 22: New element <SupplyTerms> added, primarily to enable 'firm sale only' to be communicated.
- Page 16 Response example: Values in elements <SenderIDType> and <AccountIDType> changed from '02' (value deprecated) to '01'.
- Page 19 Table 1: Values 'CanceledAccountStopped', 'AcceptedReadyForActivation' and 'AcceptedActivated' added to EDItEUR order list status code list.

ORDER REQUEST

Requests using the HTTP protocol and the HTTP GET method

Requests using the HTTP protocol and the HTTP GET method should include a query string containing parameters as specified below.

| ² | Parameter description | M ³ | Name |
|--------------|--|----------------|------------------------------|
| 1 | A unique identifier for the sender of the Request. An alphanumeric string not containing spaces or punctuation. The form of the identifier used must be agreed between the parties to an exchange. | M | ClientID |
| 2 | A password to further authenticate the sender of the request | M | ClientPassword |
| 3 | Request number | D | RequestNumber |
| 4 | Purchase order number for this order request. Mandatory in all order requests. | M | OrderNumber |
| 5 | A code value from a BIC-controlled codelist for the scheme used for a customer account identifier. Permitted values are: 01 Proprietary 02 Proprietary (DEPRECATED) 06 EAN-UCC GLN 07 SAN 11 PubEasy PIN | D | AccountIDType |
| 6 | Account identifier for this request, using the specified scheme. | D | AccountIDValue |
| 7 | A date/time reference for this request | D | IssueDateTime |
| 8 | Contract reference | D | ContractReference |
| 9 | Promotion or deal reference | D | PromotionOrDealReference |
| 10 | Order source location reference | D | OrderSourceLocationReference |
| 11 | Currency in which the requester would prefer prices to be quoted, and in which any expected price is quoted | D | CurrencyCode |
| 12 | Order qualifying date type: 01 Cancel if not shipped by 03 Fill all available by, cancel remainder | D | DateQualifierCode |
| 13 | Order qualifying date | D | ShipByDate |
| 14 | Order fill terms 01 Fill all or kill all 02 Fill all or backorder all 03 Fill available, kill remainder 04 Fill available, kill remainder unless not yet published 05 Fill available, backorder remainder and ship when complete 06 Fill available, backorder remainder and ship as available | D | FillTermsCode |
| 15 | If and only if this parameter is supported by the <i>BIC Realtime</i> web service implementation, a third party supplier may be specified where the web service host is not the intended supplier, in which case this parameter and the next must be included. This parameter contains a code value from a BIC-controlled codelist for the type of identifier of the supplier - see ONIX codelist 92 | D | SupplierIDType |
| 16 | A unique supplier identifier of the specified type | D | SupplierIDValue |

² The order of parameters in an HTTP GET Request is insignificant.

³ In the column headed "M", "M" means mandatory, and "D" means dependent.

Requests using the HTTP protocol and the HTTP GET method (continued)

| | Parameter description | | Name |
|----|--|---|---------------------------|
| 17 | Shipping instructions. 00 Follow standing instructions (default) 01 Ship this order separately without delay 02 Allocate stock now, pending shipping request or standing instruction 03 Ship this order without delay, combined with any backorder items awaiting shipping. NOTE – Shipping may be triggered by an order, by a shipping request or by a standing instruction to ship when agreed conditions are met (e.g. the value or weight of items awaiting shipping exceeds an agreed amount). The default is to follow standing instructions. | D | ShippingInstructionsCode |
| 18 | Invoicing instructions 01 Invoice this order separately 02 This order may be combined with others for invoicing purposes. | D | InvoicingInstructionsCode |
| 19 | BIC discount group code | D | BICDiscountGroupCode |
| 20 | % discount expected to apply to this order – decimal number between 0 and 100 | D | DiscountPercentage |
| 21 | EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier) | D | EAN13 |
| 22 | A code value from a BIC-controlled codelist for the type of an alternative identifier of the product (see ONIX codelist 5). | D | ProductIDType |
| 23 | An alternative product identifier of the specified type. Only one alternative type of identifier may be carried in a Request using the HTTP GET method. | D | ProductIDValue |
| 24 | Item description – title, author etc. in a single string | D | TitleDetail |
| 25 | Quantity ordered | M | OrderQuantity |
| 26 | Expected unit price | D | PriceAmount |
| 27 | Price type – mandatory if an expected price is given 01 Suggested retail price including tax 02 Suggested retail price excluding tax 03 Net price (unit cost) including tax 04 Net price (unit cost) excluding tax | D | PriceQualifierCode |

Example of an Order Request using the HTTP protocol and the HTTP GET method:

<http://www.booksupplier.co.uk/OrderingService?ClientID=12345&ClientPassword=x9a44Ysj&AccountIDType=01&AccountIDValue=12345&OrderNumber=1012345&IssueDateTime=20151120T152500&ProductIDType=03&ProductIDValue=9780123456789&OrderQuantity=5&PriceAmount=9.99&PriceQualifierCode=01>

Requests using SOAP or non-SOAP protocols and using the HTTP POST method

Requests using the HTTP POST method should include a request document as the body of a request message.

Request document name and version

| | |
|----------------------------------|---|
| Order request Version 1.1 | <OrderRequest version="1.1"> |
|----------------------------------|---|

Header

| | Request header | M | Header. | 4 |
|---|---|-----------------------|---|----------|
| 1 | A unique identifier for the sender of the request. An alphanumeric string not containing spaces or punctuation | M | ClientID | |
| 2 | A password to further authenticate the sender of the request | M | ClientPassword | |
| 3 | Account identifier for this request A code value from a BIC-controlled codelist for the scheme used for the account identifier. Mandatory if including an account identifier. Permitted values are: 01 Proprietary 02 Proprietary (<i>DEPRECATED</i>) 06 EAN-UCC GLN 07 SAN 11 PubEasy PIN Account identifier for this request, using the specified scheme | D M M | AccountIdentifier. AccountIDType IDValue | |
| 4 | Request number | D | RequestNumber | |
| 5 | Purchase order number for this order request. Mandatory in all order requests. | M | OrderNumber | |
| 6 | Document date/time: the date/time when the request was generated. Permitted formats are: YYYYMMDD YYYYMMDDTHHMM YYYYMMDDTHHMMZ (universal time) YYYYMMDDTHHMM±HHMM (time zone) where "T" represents itself, ie letter T | D | IssueDateTime | |
| 7 | Order references. If included, must contain a reference number or a reference date or both. Reference type 16 Contract reference 17 Promotion or deal reference 24 Order source location reference Reference Reference date YYYYMMDD Reference date-time (for format options see line 6) | D M D D D | ReferenceCoded. ReferenceTypeCode ReferenceNumber ReferenceDate ReferenceDateTime | R |
| 8 | Currency in which the requester would prefer prices to be quoted | D | CurrencyCode | |
| 9 | Order qualifying dates Date YYYYMMDD Date qualifier 01 Cancel if not shipped by date 02 Cancel if not shipped by date, unless not yet published 03 Fill all available by date 04 Do not ship before date | D M M | DateCoded. Date DateQualifierCode | R |

⁴ An 'R' in the right-most column means that the element is repeatable.

Header (continued)

| | Request header | M | Header. | |
|----|--|--|--|--|
| 10 | Order fill terms 01 Fill all or kill all 02 Fill all or backorder all 03 Fill available, kill remainder 04 Fill available, kill remainder unless not yet published 05 Fill available, backorder remainder and ship when complete 06 Fill available, backorder remainder and ship as available | D | FillTermsCode | |
| 11 | Supplier to whom this order request should be forwarded, if it is not addressed to the <i>BIC Realtime</i> web service host (use only for requests sent to aggregators). Supplier ID type - see ONIX codelist 92 ID type name, only if ID type = proprietary Identifier | D M D M | SupplierIdentifier. SupplierIDType IDTypeName IDValue | |
| 12 | Deliver to party (if not requester) – must include an identifier, a name or both. Party identifier Party ID type 01 Proprietary 02 Proprietary (<i>DEPRECATED</i>) 06 EAN-UCC GLN 07 SAN Identifier string Party name Postal address Address line Communication details Communication type 01 'Landline' phone 02 Mobile phone 03 Fax 04 Email 05 Web Communication locator string Contact details Contact person's name | D D M M D D M D M M D M | ShipToParty. PartyIdentifier PartyIDType IDValue PartyName PostalAddress. AddressLine CommunicationDetails. CommunicationTypeCode CommunicationLocator ContactPerson PersonName | R R |
| 13 | Invoice to party (if not requester) – same structure as deliver to party. | D | BillToParty. | |
| 14 | Ship from location Location – must include at least one identifier, a name, or both Location identifier Location ID type 01 Proprietary 02 Proprietary (<i>DEPRECATED</i>) 06 EAN-UCC GLN 07 SAN Proprietary location ID type name Location ID value Location name | D M D M D M D | ShipFrom. Location. LocationIdentifier LocationIDType IDTypeName IDValue LocationName | R |

Header (continued)

| | Request header | M | Header. | |
|----|--|--|--|--|
| 15 | Time and means of delivery Requested delivery time 01 Next day (other codes to be added) Use supplier's delivery service – code or name assigned by supplier Use specified carrier Coded carrier name Coding scheme type: 01 BIC scheme 02 Supplier's scheme 03 Buyer's scheme Carrier name code Name of carrier Carrier's delivery service code / name Free text delivery instruction | D D D D D M M M D D | Delivery. DeliveryTimeCode VendorDeliveryService Carrier. CarrierNameCoded CarrierNameCodeType CarrierNameCode CarrierName CarrierService DeliveryNotes | |
| 16 | Shipping instructions. 00 Follow standing instructions (default) 01 Ship this order separately without delay 02 Allocate stock now, pending shipping request or standing instruction 03 Ship this order without delay, combined with any backorder items awaiting shipping. NOTE – Shipping may be triggered by an order, by a shipping request or by a standing instruction to ship when agreed conditions are met (e.g. the value or weight of items awaiting shipping exceeds an agreed amount). The default is to follow standing instructions. | D | ShippingInstructionsCode | |
| 17 | Invoicing instructions 01 Invoice this order separately 02 This order may be combined with others for invoicing purposes. | D | InvoicingInstructionsCode | |
| 18 | Expected terms: credit period Number of days from date of invoice, or Due date YYYYMMDD | D | PaymentTerms. NetDaysDue NetDueDate | |
| 18 | Expected terms – either a code or a percentage Discount code type 01 BIC discount group code BIC discount group code value | D D D | Allowance. AllowanceCodeType AllowanceCode | |
| 20 | % discount expected to apply to this order – decimal number between 0 and 100 | D | DiscountPercentage | |

Request detail

| | Item detail | M | ItemDetail. | R |
|----|--|-----------------------|--|---|
| 1 | Order request line number | M | LineNumber | |
| 2 | EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier) | D | EAN13 | |
| 3 | Alternative product identifier Product ID type – use ONIX Code List 5 ID type name, only if ID type = '01' (proprietary) Product number | D M D M | ProductIdentifier. ProductIDType IDTypeName IDValue | R |
| 4 | Item description – title, author etc. in a single string | D | ItemDescription.TitleDetail | |
| 5 | Quantity ordered | M | OrderQuantity | |
| 6 | Order line references If included, must contain a reference number or a reference date or both. Reference type 12 Buyer's unique order line reference 16 Contract reference 17 Promotion or deal reference 18 End customer order reference 24 Order source location reference Reference number / string Reference date YYYYMMDD Reference date-time (for format options see Header line 6) | D M D D D | ReferenceCoded ReferenceTypeCode ReferenceNumber ReferenceDate ReferenceDateTime | R |
| 7 | Ship to / deliver to – for detail see Header line 12 | D | ShipToParty | |
| 8 | Order line qualifying dates Date YYYYMMDD Date qualifier 01 Cancel if not shipped by date 02 Cancel if not shipped by date, unless not yet published 03 Fill all available by date 04 Do not ship before date | D M M | DateCoded. Date DateQualifierCode | R |
| 9 | Order line fill terms 01 Fill all or kill all 02 Fill all or backorder all 03 Fill available, kill remainder 05 Fill available, backorder remainder and ship when complete 06 Fill available, backorder remainder and ship as available | D | FillTermsCode | |
| 10 | Expected unit price The whole of PricingDetail (lines 9 to 11) may be repeated if more than one price type or currency is to be included. Price is <i>not</i> repeatable within PricingDetail. Price amount Currency: ISO 4217 currency code Price type 01 Suggested retail price including tax 02 Suggested retail price excluding tax 03 Net price (unit cost) including tax 04 Net price (unit cost) excluding tax | D M D M | PricingDetail.Price. MonetaryAmount CurrencyCode PriceQualifierCode | R |
| 11 | Expected terms – either a code or a percentage Discount code type 01 BIC discount group code BIC discount group code value | D D D | PricingDetail.Allowance. AllowanceCodeType AllowanceCode | |
| 12 | Total % discount expected to apply to this order – decimal number between 0 and 100 | D | PricingDetail.DiscountPercentage | |

Example of an Order Request XML payload using either the SOAP or the HTTP protocol and the HTTP POST method:

```
<OrderRequest version="1.1" xmlns="http://www.bic.org.uk/webservices">
  <Header>
    <ClientID>12345</ClientID>
    <ClientPassword>x9a44Ysj</ClientPassword>
    <AccountIdentifier>
      <AccountIDType>01</AccountIDType>
      <IDValue>12345</IDValue>
    </AccountIdentifier>
    <RequestNumber>001</RequestNumber>
    <OrderNumber>1012345</OrderNumber>
    <IssueDateTime>20151120T1525</IssueDateTime>
  </Header>
  <ItemDetail>
    <LineNumber>1</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780123456789</IDValue>
    </ProductIdentifier>
    <OrderQuantity>5</OrderQuantity>
    <PricingDetail>
      <Price>
        <MonetaryAmount>9.99</MonetaryAmount>
        <PriceQualifierCode>01</PriceQualifierCode>
      </Price>
    </PricingDetail>
  </ItemDetail>
  <ItemDetail>
    <LineNumber>2</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780987654321</IDValue>
    </ProductIdentifier>
    <OrderQuantity>2</OrderQuantity>
    <PricingDetail>
      <Price>
        <MonetaryAmount>15.99</MonetaryAmount>
        <PriceQualifierCode>01</PriceQualifierCode>
      </Price>
    </PricingDetail>
  </ItemDetail>
</OrderRequest>
```

ORDER RESPONSE

The Response will use the protocol corresponding to the Request. If the Request uses the basic HTTP protocol, the Response will be an XML document as specified below attached to a normal HTTP header. If the Request uses the SOAP protocol, the Response will contain a SOAP response message whose body will contain the XML document specified below.

Response document name and version

| | |
|----------------------------|-------------------------------|
| Order response Version 1.1 | <OrderResponse version="1.1"> |
|----------------------------|-------------------------------|

Header

| | Payload header | M | Header. |
|---|--|------------------|---|
| 1 | 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 |
| 2 | Sender (<i>BIC Realtime</i> web service host) Sender ID type - see ONIX codelist 92 ID type name, only if ID type = proprietary Identifier | M M D D | SenderIdentifier. SenderIDType IDtypeName IDValue |
| 3 | Identification number / string of this response | D | ResponseNumber |
| 4 | Account identifier. Mandatory if included in request. A code value from a BIC-controlled codelist for the scheme used for the account identifier. Must be specified if an account identifier is specified. Permitted schemes are: 01 Proprietary 02 Proprietary (<i>DEPRECATED</i>) 06 EAN-UCC GLN 07 SAN 11 PubEasy PIN Account identifier for this request, using the specified scheme | D M M | AccountIdentifier. AccountIDType IDValue |
| 5 | References: the order number must be quoted; the request number and/or date/time of request must be quoted if included in the request. Reference type 01 Number or date/time of associated request 11 Order number specified in the request 16 Contract reference 17 Promotion or deal reference 24 Order source location reference Reference number / string Reference date or date and time. Mandatory if an IssueDateTime is included in the request. | M M D D | ReferenceCoded ReferenceTypeCode ReferenceNumber ReferenceDateTime |
| 6 | Response function – normally only sent if the same order request is repeated. 01 Response sent for the first time (default) 02 Duplicate response to a repeated order request ⁵ | D | ResponsePurposeCode <i>Original</i> <i>Duplicate</i> |

⁵ Code value '02' in ResponsePurposeCode should only be returned if the Order Request contains the same number of order lines, with the same product identifier, quantity and references in each order line. Otherwise the correct response is to return ResponseCode with code value '10' (duplicate order number – see Response header line 7).

Header (continued)

| | Payload header | M | Header. | |
|----|---|--|---|---|
| 7 | <p>Response code, if there are exception conditions, in which case this composite terminates the response.</p> <p>Response type code. Suggested code values:</p> <p>01 Service unavailable</p> <p>02 Invalid ClientID or ClientPassword</p> <p>03 Server unable to process request – a reason should normally be given as a free text description – see below</p> <p>10 Duplicate order number</p> <p>16 Invalid or unknown account or supplier identifier</p> <p>19 Server unable to process request – unable to contact supplier</p> <p>20 Order request acknowledged – awaiting response from supplier</p> <p>Free text description / reason for response</p> <p>Supplier identifier (only included if specified in the request header; mandatory if the response type code is '19' or '20').</p> <p>Supplier ID type - see ONIX codelist 92</p> <p>ID type name, only if ID type = proprietary Identifier</p> | <p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>M</p> | <p>ResponseCode.</p> <p>ResponseType</p> <p>ResponseTypeDescription</p> <p>SupplierIdentifier.</p> <p>SupplierIDType</p> <p>IDTypeName</p> <p>IDValue</p> | R |
| 8 | Default currency of values given in the response. If omitted, 'GBP' is assumed. | D | CurrencyCode | |
| 9 | <p>Shipping detail (<i>if supplier has more than one warehouse, the default warehouse location from which goods will be shipped; may be overridden at the item detail level – see response detail line 12</i>)</p> <p>Location must contain at least one location identifier or one location name or both.</p> <p>Location identifier</p> <p>Location ID type</p> <p>01 Proprietary</p> <p>02 Proprietary (DEPRECATED)</p> <p>06 EAN-UCC GLN</p> <p>07 SAN</p> <p>Proprietary location ID type name</p> <p>Location ID value</p> <p>Location name</p> | <p>D</p> <p>M</p> <p>D</p> <p>M</p> <p>D</p> <p>M</p> <p>D</p> | <p>ShippingFrom.</p> <p>Location</p> <p>LocationIdentifier</p> <p>LocationIDType</p> <p>IDTypeName</p> <p>IDValue</p> <p>LocationName</p> | R |
| 10 | <p>Order status – mandatory unless there is an exception condition.</p> <p>01 Order accepted – shipping</p> <p>02 Order accepted – all backordered</p> <p>03 Order accepted – part shipping, part backordered – see detail</p> <p>04 Order accepted but cannot be processed normally – see order status message</p> <p>05 Order not accepted – see detail</p> | D | OrderStatus | |
| 11 | Order status message. Mandatory if the order status is '04' or '06'. | D | OrderStatusMessage | |

Response detail

| | | | | |
|----|---|---------------------------|--|---|
| | Responses for all items included in the order request. Mandatory unless the response type code indicates exception conditions. | D | ItemDetail. | R |
| 1 | Line item number | M | LineNumber | |
| 2 | EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier) | D | EAN13 | |
| 3 | Alternative product identifier – for details see the corresponding line in Request detail | D | ProductIdentifier. | R |
| 4 | Item description Product form – see ONIX codelist 7 Title, author etc. in a single string | D D D | ItemDescription ProductForm TitleDetail | |
| 5 | Quantity ordered | M | OrderQuantity | |
| 6 | Order line references If included, must contain a reference number or a reference date or both. Reference type 12 Buyer's unique order line reference 16 Contract reference 17 Promotion or deal reference 18 End customer order reference 24 Order source location reference Reference number / string Reference date YYYYMMDD Reference date-time (for format options see Header line 6) | D M D D D | ReferenceCoded ReferenceTypeCode ReferenceNumber ReferenceDate ReferenceDateTime | R |
| 7 | Offered or confirmed unit price The whole of PricingDetail (lines 7 to 9) may be repeated if more than one price type or currency is to be included. Price is <i>not</i> repeatable within PricingDetail. Price amount Currency: ISO 4217 currency code Price type 01 Suggested retail price including tax 02 Suggested retail price excluding tax 03 Net price (unit cost) including tax 04 Net price (unit cost) excluding tax | D M D M | PricingDetail.Price. MonetaryAmount CurrencyCode PriceQualifierCode | R |
| 8 | Offered terms – either a code or a percentage Discount code type 01 BIC discount group code BIC discount group code value | D D D | PricingDetail.Allowance. AllowanceCodeType AllowanceCode | |
| 9 | Total % discount expected to apply to this order – decimal number between 0 and 100 | D | PricingDetail.DiscountPercentage | |
| 10 | Order line response status code. Mandatory for each order line. See Table 1 for EDItEUR order line status codes that may be used in this context. Status code scheme 01 Sender's own scheme 02 Scheme maintained by EDItEUR Status code | M M M | OrderLineStyleCoded. StatusCodeType StatusCode | |
| 11 | Quantity in process for shipping now | D | QuantityShipping | |

Response detail (continued)

| | Responses for all items included in the order request | D | ItemDetail. | |
|----|---|---|---|---|
| 12 | Shipping detail (used only if the shipment will be from a location other than the default specified in the header) Location – must include at least one identifier, a name, or both Location identifier Location ID type 01 Proprietary 02 Proprietary (DEPRECATED) 06 EAN-UCC GLN 07 SAN Proprietary ID type name Location ID value Location name | D M D M D M D | ShippingFrom. Location. LocationIdentifier LocationIDType IDTypeName IDValue LocationName | R |
| 13 | Quantity backordered | D | BackorderedQuantity | |
| 14 | Quantity cancelled | D | CanceledQuantity | |
| 15 | Publisher product availability code value. Should be included if known, unless the order line is shipping now. See Table 2 for ONIX product availability status codes that may be used in this context. | D | PublisherAvailabilityCode | |
| 16 | Availability date for the ordered product (YYYYMMDD) – mandatory with certain publisher product availability code values. | D | ExpectedShipDate | |
| 17 | Publishing status code value – see ONIX codelist 64 | D | PublishingStatusCode | |
| 18 | On-sale date for the ordered product (YYYYMMDD) – included if sale is embargoed until the specified date, or if mandated by a publishing status code value. | D | ConsumerOnSaleDate | |
| 19 | Expected order time for a non-stock item – in days | D | OrderTime | |
| 20 | Stock detail – repeated if stock levels are reported for more than one location. Location – must include at least one identifier, a name, or both Location identifier Location ID type 01 Proprietary 02 Proprietary (DEPRECATED) 06 EAN-UCC GLN 07 SAN Proprietary location ID type name Location ID value Location name Quantity on hand Quantity on order Committed backorder quantity Stock movement rate / velocity – repeated for different measures of stock movement Velocity type code 01 Maximum daily sale 02 Vendor rating Velocity value | D D D M D M D D D D D M M | Stock. Location. LocationIdentifier LocationIDType IDTypeName IDValue LocationName OnHandQuantity OnOrderQuantity CBOQuantity Velocity VelocityCode VelocityValue | R R R |

Example of an Order Response XML payload using either the SOAP or the HTTP protocol and the HTTP POST method:

```
<OrderResponse version="1.1" xmlns="http://www.bic.org.uk/webservices">
  <Header>
    <IssueDateTime>20151120T1526</IssueDateTime>
    <SenderIdentifier>
      <SenderIDType>01</SenderIDType>
      <IDValue>XYZ</IDValue>
    </SenderIdentifier>
    <AccountIdentifier>
      <AccountIDType>01</AccountIDType>
      <IDValue>12345</IDValue>
    </AccountIdentifier>
    <ReferenceCoded>
      <ReferenceTypeCode>01</ReferenceTypeCode>
      <ReferenceNumber>001</ReferenceNumber>
      <ReferenceDateTime>20151120T152500</ReferenceDateTime>
    </ReferenceCoded>
    <ReferenceCoded>
      <ReferenceTypeCode>11</ReferenceTypeCode>
      <ReferenceNumber>1012345</ReferenceNumber>
    </ReferenceCoded>
    <ResponseCoded>
      <ResponseType>02</ResponseType>
    </ResponseCoded>
    <OrderStatus>03</OrderStatus>
  </Header>
  <ItemDetail>
    <LineNumber>1</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780123456789</IDValue>
    </ProductIdentifier>
    <OrderQuantity>5</OrderQuantity>
    <ReferenceCoded>
      <ReferenceTypeCode>12</ReferenceTypeCode>
      <ReferenceNumber>1</ReferenceNumber>
    </ReferenceCoded>
    <PricingDetail>
      <Price>
        <MonetaryAmount>9.99</MonetaryAmount>
        <PriceQualifierCode>01</PriceQualifierCode>
      </Price>
    </PricingDetail>
    <OrderLineStatusCoded>
      <StatusCodeType>02</StatusCodeType>
      <StatusCode>AcceptedShipping</StatusCode>
    </OrderLineStatusCoded>
    <QuantityShipping>5</QuantityShipping>
  </ItemDetail>
  <ItemDetail>
    <LineNumber>2</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780987654321</IDValue>
    </ProductIdentifier>
    <OrderQuantity>2</OrderQuantity>
    <ReferenceCoded>
      <ReferenceTypeCode>12</ReferenceTypeCode>
```



```
<ReferenceNumber>2</ReferenceNumber>
</ReferenceCoded>
<PricingDetail>
  <Price>
    <MonetaryAmount>15.99</MonetaryAmount>
    <PriceQualifierCode>01</PriceQualifierCode>
  </Price>
</PricingDetail>
<OrderLineStatusCoded>
  <StatusCodeType>02</StatusCodeType>
  <StatusCode>AcceptedBackordered</StatusCode>
</OrderLineStatusCoded>
<BackorderedQuantity>2</BackorderedQuantity>
<PublisherAvailabilityCode>31</PublisherAvailabilityCode>
<ExpectedShipDate>20151122</ExpectedShipDate>
</ItemDetail>
</OrderResponse>
```

Table 1: EDItEUR order line status codes

Used in OrderLineStatusCoded.StatusCode (page 13, line 10), when the StatusCodeType is specified as '02' (EDItEUR). Code values followed by an asterisk * have been defined by BIC for this standard and are to be proposed as additions to the EDItEUR code list.

| No | Value | Description |
|----|--|--|
| 1 | <i>AcceptedBackordered</i> | Order line accepted as backorder ("due") (Order Response only) |
| 2 | <i>AcceptedPartShippingPartBackordered</i> | Order line accepted, part in process for immediate shipping, part backordered (Order Response only) |
| 3 | <i>AcceptedPartShippingPartCanceled</i> | Order line accepted, part in process for immediate shipping, part canceled (Order Response only) |
| 4 | <i>AcceptedShipping</i> | Order line accepted, all in process for immediate shipping (Order Response only) |
| 5 | <i>AlreadyShipped</i> | Order line already shipped or in process for shipping |
| 6 | <i>BackorderedAwaitingMinimumOrder</i> | Backordered until minimum order value is reached |
| 7 | <i>BackorderedAwaitingReceipt</i> | Backordered and has been despatched from our supplier, awaiting receipt |
| 8 | <i>BackorderedAwaitingSupply</i> | Backordered – awaiting supply |
| 9 | <i>BackorderedChasingSupplier</i> | Order line has been chased to our supplier |
| 10 | <i>BackorderedDateChange</i> | Backordered, note change to expected availability date |
| 11 | <i>BackorderedOnOrderFromOverseas</i> | Backordered – has been ordered from overseas supplier |
| 12 | <i>BackorderedPriceChange</i> | Backordered, note price change |
| 13 | <i>BackorderedTitleChange</i> | Backordered, note title change (NYP only) |
| 14 | <i>BackorderedStockTaking*</i> | Backordered – currently unavailable due to stock taking |
| 15 | <i>CanceledByBuyer</i> | Order line cancelled at buyer's request |
| 16 | <i>CanceledCannotSupply</i> | Order line cancelled, item cannot be supplied (eg OP) |
| 17 | <i>CanceledDiscountQuery</i> | Discount query: order line cancelled |
| 18 | <i>CanceledDuplicateOrder</i> | Order appears to be a duplicate: order line cancelled |
| 19 | <i>CanceledInvalid</i> | Ordered item cannot be recognized |
| 20 | <i>CanceledMinimumOrderReq</i> | Minimum order value required: order line cancelled |
| 21 | <i>CanceledOutOfTime</i> | Order line cancelled, past cancellation date |
| 22 | <i>CanceledPriceQuery</i> | Price query: order line cancelled |
| 23 | <i>CanceledPromotionInvalid</i> | Promotional deal invalid or expired: order line cancelled |
| 24 | <i>CanceledSubstOffered</i> | Order line cancelled, substitute product is offered for separate order |
| 25 | <i>CanceledTryOtherLocation</i> | Order line canceled, but could be supplied at a Ship From location other than that specified by the buyer: must be accompanied by the identity of the other location |
| 26 | <i>CanceledUnknown*</i> | Order line cancelled – unknown product or source of supply |
| 27 | <i>CanceledRightsRestricted*</i> | Order line cancelled –cannot supply to customer due to rights restrictions |
| 28 | <i>CanceledCannotShipByRequestedDate*</i> | Order line cancelled – cannot ship by requested "ship by" date |
| 29 | <i>CanceledSold*</i> | Order line cancelled – second-hand or antiquarian item already sold |
| 30 | <i>CanceledStockTaking*</i> | Order line cancelled – currently unavailable due to stock taking |
| 31 | <i>HeldAccountStopped</i> | Buyer's account is temporarily stopped: product availability is reported as usual, but order will not be released until account is cleared |
| 32 | <i>HeldAwaitingBuyerInstruction</i> | Awaiting instruction from buyer: order line held |
| 33 | <i>HeldDiscountQuery</i> | Discount query: order line held awaiting customer response |
| 34 | <i>HeldFirmOrderRequired</i> | Can only be supplied against firm order: order line held awaiting customer response |
| 35 | <i>HeldMinimumOrderReq</i> | Minimum order value required: order line held |
| 36 | <i>HeldPriceQuery</i> | Price query: order line held awaiting customer response, usually because difference between order price and actual price exceeds agreed tolerance |
| 37 | <i>HeldPromotionInvalid</i> | Promotional deal invalid or expired: order line held awaiting customer response |
| 38 | <i>HeldStockTaking*</i> | Order line held – currently unavailable due to stock taking |
| 39 | <i>NotFound</i> | Order line not traced |

Table 1: EDItEUR order line status codes (continued)

| No | Value | Description |
|-----------|---|---|
| 40 | <i>NotOnBackorderFile</i> | Response to order status enquiry or cancellation, for suppliers whose systems check enquiries or cancellations only against a backorder file. Where possible, the more informative responses NotFound and AlreadyShipped are preferred. |
| 41 | <i>Processing</i> | Ordered item(s) being processed by bookseller |
| 42 | <i>ProcessingAwaitingBuyerInstruction</i> | Ordered item(s) being processed by bookseller, awaiting buyer instruction |
| 43 | <i>ReorderedSuppliedDamaged</i> | Our supplier sent damaged item(s): reordered |
| 44 | <i>ReorderedSuppliedImperfect</i> | Our supplier sent imperfect item(s): reordered |
| 45 | <i>ReorderedSuppliedShort</i> | Our supplier sent short: reordered |
| 46 | <i>ReorderedSupplierCannotTrace</i> | Our supplier cannot trace order: reordered |
| 47 | <i>ReorderedWrongItemSupplied</i> | Our supplier sent wrong item(s): reordered |
| 48 | <i>SubstBackordered</i> | Substitute product backordered |
| 49 | <i>SubstPartShippingPartBackordered</i> | Substitute product part in process for immediate shipping, part backordered |
| 50 | <i>SubstPartShippingPartCanceled</i> | Substitute product part in process for immediate shipping, part cancelled |
| 51 | <i>SubstShipping</i> | Substitute product in process for immediate shipping |
| 52 | <i>TemporaryHold</i> | Order action not yet determined |
| 53 | <i>HeldAdditionalServiceQuery</i> | Order line held pending resolution of a query concerning an additional service requested for that order line |
| 54 | <i>CanceledAdditionalServiceQuery</i> | Order line cancelled due to a query concerning an additional service requested. The item should be re-ordered once the query has been resolved. |
| 55 | <i>CanceledAccountStopped</i> | Buyer's account is temporarily stopped; the order line is cancelled, but product price and availability is reported. |
| 56 | <i>AcceptedReadyForActivation</i> | Ordered digital item is ready for activation by the consumer |
| 57 | <i>AcceptedActivated</i> | Ordered digital item is activated and ready for use by the consumer |

Table 2: EDItEUR product availability codes

Used in PublisherAvailabilityCode (page 14 line 15 and page 15 line 21).

| ONIX | Description |
|-------------|---|
| 20 | Available from us (form of availability unspecified) |
| 21 | Available from us from stock |
| 23 | Available from us by POD |
| 22 | Available from us as a non-stock item, by special order |
| 10 | Not yet available |
| 11 | Not yet available: will be stocked when available |
| 12 | 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. |
| 01 | Product was announced, and subsequently abandoned |
| 30 | Temporarily unavailable from us (reason unspecified) |
| 33 | Temporarily unavailable, awaiting reissue |
| 31 | Stock item, temporarily out of stock |
| 32 | Temporarily unavailable, reprinting |
| 40 | Not available from us – reason unspecified |
| 44 | Not available to trade, apply direct to publisher |
| 42 | This product is unavailable, but the same content is or will be available from us in an alternative format |
| 43 | This product has been transferred to another supplier |
| 45 | Must be bought as part of a set |
| 47 | Remaindered |
| 41 | This product is unavailable, but a successor product or edition is or will be available from us |
| 48 | 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. |
| 46 | Withdrawn from sale, eg for legal reasons |
| 99 | Apply to customer service |