



Book Industry Communication

BIC Realtime

Standards for Instant Business Message Exchange

Trade Order Request and Order Response

Version 2.0, 3 April 2020

This document: <https://www.bic.org.uk/files/pdfs/API/Trade/BICWSTradeOrderRequestResponse-V2.0.pdf>

XML schema: https://www.bic.org.uk/files/xml/BICWSTradeOrderRequestResponse_V2.0.xsd

WSDL file: https://www.bic.org.uk/files/xml/BICWSTradeOrderRequestResponseSOAP_V2.0.wsdl

XML namespace: <https://www.bic.org.uk/webservices/tradeOrderRequest>

Next review date: 26 February 2021

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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Three alternative formats are specified for Order Requests:

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

The Response payload format options (payload in XML or JSON) will both apply to basic HTTPS exchanges using the POST method, but XML is the only Response payload format supported for HTTPS requests using the GET method. A Request using the HTTPS GET method may be more limited than a Request using the HTTPS POST method, so the Response payload may use only a correspondingly limited subset of the content defined here. SOAP only supports XML as a Request or Response payload format.

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

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

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

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.

Changes for Version 2.0 made December 2019

- | | |
|---------|--|
| General | <p>Version number changed to '2.0' in both Request and Response specifications and examples.</p> <p>Support for JSON implementation added to specification tables and examples.</p> <p>Namespace URI corrected in examples.</p> <p>Text corrected in various places to make it clear that the SOAP protocol only supports XML payloads and not JSON payloads.</p> <p>Element DiscountPercentage renamed DiscountPercent for consistency with other APIs. Element Allowance renamed DiscountCoded and restructured for consistency with other APIs.</p> <p>Deprecated elements and code values removed.</p> |
| Page 4 | <p>HTTPS Request lines 1 and 2: Parameters ClientID and ClientPassword made non-mandatory. It is recommended that HTTPS header-based authentication be used where possible.</p> |
| Page 4 | <p>HTTPS Request line 12: Parameter DescriptionLanguageCode added to enable preferred language of descriptions to be specified. The value must be a three-letter language code from ONIX code list 74.</p> |
| Page 6 | <p>Request header lines 1 and 2: Elements ClientID and ClientPassword made non-mandatory. It is recommended that HTTPS header-based authentication be used where possible.</p> <p>Request header line 7: Element ReferenceDate removed, for consistency with other APIs. The element ReferenceDateTime should be used instead.</p> <p>Request header line 9: Element DescriptionLanguageCode added to enable preferred language of descriptions to be specified. The value must be a three-letter language code from ONIX code list 74.</p> |

- Page 9 Request detail line 6: Element ReferenceDate removed, for consistency with other APIs. The element ReferenceDateTime should be used instead.
- Page 10 Request detail line 10: Element PricingDetail replaced by the element Price for consistency with the response and with other APIs, with new structure to enable the supplier's price identifier to be included instead of or as well as a specific price amount.
- Page 11 Example changed to include new Price element.
- Page 14 Response header line 7: Element DescriptionLanguageCode added to enable the language of element ResponseTypeDescription to be specified. The value must be a three-letter language code from ONIX code list 74.
- Page 15 Response detail line 4: Elements Title, Author, SeriesTitle, VolumeOrPart, EditionStatement, CityOfPublication, CountryOfPublication, PublisherName, DateOfPublication and YearOfPublication added within ItemDescription.
- Response detail line 6: Element ReferenceDate removed, for consistency with other APIs. The element ReferenceDateTime should be used instead.
- Response detail line 7: Element PricingDetail replaced by the element Price for consistency with other APIs.
- Page 16 Response detail line 13: Element AvailabilityCoded inserted as composite wrapper for existing availability elements. Element SupplierAvailabilityCode added. Use of SupplierAvailabilityCode and PublisherAvailabilityCode clarified.
- Response detail line 19: Element Substitute made repeatable and simplified to include only one or more identifiers. If further details of a substitute product are required, a separate follow-on request must be made.
- Page 17 Offered or confirmed unit price: New structure to enable the supplier's price identifier and associated terms and conditions to be included instead of or as well as a specific price amount. This aligns the price model more closely with other supply chain communication formats including ONIX. To align with ONIX, the following specific element changes have been made: elements PriceTypeQualifier (line 2) and PriceQualifierCode (line 9) have been renamed PriceQualifier and PriceType, using ONIX code lists 59 and 58 respectively.
- Pages 19,20 Example changed to include new Price element.
- Page 25 Table 2 Supplier item availability codes added, for use with element SupplierAvailabilityCode.
- Table 3 EDItEUR ONIX product availability codes removed. See ONIX code list 65.

ORDER REQUEST

Requests using the HTTPS protocol and the GET method

Requests using the HTTPS protocol and the 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 ⁴ .	D	ClientID	
2	A password to further authenticate the sender of the request ⁴ .	D	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 code list for the scheme used for a customer account identifier. Permitted values are: 01 Proprietary 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	Language in which the requester would prefer free-text descriptions to be expressed – use ONIX code list 74.	D	DescriptionLanguageCode	
13	Order qualifying date type: 01 Cancel if not shipped by 03 Fill all available by, cancel remainder	D	DateQualifierCode	
14	Order qualifying date	D	ShipByDate	
15	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	
16	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 code list for the type of identifier of the supplier - see ONIX code list 92	D	SupplierIDType	
17	A unique supplier identifier of the specified type	D	SupplierIDValue	

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

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

⁴ It is recommended that HTTPS header-based authentication be used where possible.

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

	Parameter description		Name	
18	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	
19	Invoicing instructions 01 Invoice this order separately 02 This order may be combined with others for invoicing purposes.	D	InvoicingInstructionsCode	
20	BIC discount group code	D	BICDiscountGroupCode	
21	% discount expected to apply to this order – decimal number between 0 and 100	D	DiscountPercent	
22	EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier)	D	EAN13	
23	A code value from a BIC-controlled code list for the type of an alternative identifier of the product (see ONIX code list 5).	D	ProductIDType	
24	An alternative product identifier of the specified type. Only one alternative type of identifier may be carried in a Request using the HTTPS GET method.	D	ProductIDValue	
25	Item description – title, author etc. in a single string	D	TitleDetail	
26	Quantity ordered	M	OrderQuantity	
27	Expected unit price	D	PriceAmount	
28	Price type – use ONIX code list 58. Mandatory if an expected price is given.	D	PriceType	

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

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

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

Requests using the HTTPS POST method should include an XML or JSON request document as the body of a request message. Requests using the SOAP protocol must include an XML document.

Request document name and version

Order request Version 2.0	<OrderRequest version="2.0"> { "OrderRequest": { "version": ...
----------------------------------	---

Header

	Request header	M	Header.	5
1	A unique identifier for the sender of the request. An alphanumeric string not containing spaces or punctuation	D	ClientID	
2	A password to further authenticate the sender of the request	D	ClientPassword	
3	Account identifier for this request A code value from a BIC-controlled code list for the scheme used for the account identifier. Mandatory if including an account identifier. Permitted values are: 01 Proprietary 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 or date-time	D M D D	ReferenceCoded. ReferenceTypeCode ReferenceNumber ReferenceDateTime	R
8	Currency in which the requester would prefer prices to be quoted	D	CurrencyCode	
9	Language in which the requester would prefer free-text descriptions to be expressed – use ONIX code list 74.	D	DescriptionLanguageCode	
10	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

⁵ An 'R' in the right-most column means that the element is repeatable. If implementing this API using the JSON format option, all repeatable elements must be represented by JSON array objects.

Header (continued)

	Request header	M	Header.	
16	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	
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	Expected terms: credit period Number of days from date of invoice, or Due date YYYYMMDD	D D D	PaymentTerms. NetDaysDue NetDueDate	
20	Discount code from a specified scheme Discount code scheme – see ONIX code list 100 Scheme name, only if scheme is proprietary Discount code value from the specified scheme	D M D M	DiscountCoded DiscountCodeType DiscountCodeTypeName DiscountCode	
21	Discount percent expected to apply to this order – decimal number between 0 and 100	D	DiscountPercent	

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-time (for format options see Header line 6)	D M D D	ReferenceCoded ReferenceTypeCode ReferenceNumber 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	

Request detail (continued)

	Item detail	M	ItemDetail.	R
10	Expected unit price. Supplier's price identifier. Must be included if supplier has indicated (e.g. in a P&A response) that the product is available at various identified prices according to the terms and conditions of supply. If both price amount and price identifier are specified, the buyer must ensure they are consistent. The price identifier must match a price identifier specified in the current ONIX record for the same item. Proprietary price identifier scheme – use ONIX code list 217 Proprietary scheme name Identifier value Price qualifier corresponding to the supplier's price identifier – use ONIX code list 59. Price amount. May be repeated for different currencies or price types. Must be included if no price identifier is included. Price amount Currency: ISO 4217 currency code Price type – use ONIX code list 58. Expected terms – either a code or a percentage Discount code type – see ONIX code list 100 Scheme name, only if scheme is proprietary BIC discount group code value Total % discount expected to apply to this order – decimal number between 0 and 100	D D M D M D D M D D D D D D D D	Price PriceIdentifier PriceIDType IDTypeName IDValue PriceQualifier PriceAmount MonetaryAmount CurrencyCode PriceType DiscountCoded DiscountCodeType DiscountCodeTypeName DiscountCode DiscountPercent	R

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

```
<OrderRequest version="2.0"
  xmlns="http://www.bic.org.uk/webservices/tradeOrderRequest">
  <Header>
    <AccountIdentifier>
      <AccountIDType>01</AccountIDType>
      <IDValue>12345</IDValue>
    </AccountIdentifier>
    <RequestNumber>001</RequestNumber>
    <OrderNumber>1012345</OrderNumber>
    <IssueDateTime>20191120T1525</IssueDateTime>
  </Header>
  <ItemDetail>
    <LineNumber>1</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780123456789</IDValue>
    </ProductIdentifier>
    <OrderQuantity>5</OrderQuantity>
    <Price>
      <PriceAmount>
        <MonetaryAmount>9.99</MonetaryAmount>
        <PriceType>01</PriceType>
      </PriceAmount>
    </Price>
  </ItemDetail>
  <ItemDetail>
    <LineNumber>2</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780987654321</IDValue>
    </ProductIdentifier>
    <OrderQuantity>2</OrderQuantity>
    <Price>
      <PriceAmount>
        <MonetaryAmount>15.99</MonetaryAmount>
        <PriceType>01</PriceType>
      </PriceAmount>
    </Price>
  </ItemDetail>
</OrderRequest>
```

Example of an Order Request JSON payload using the HTTPS protocol and the POST method:

```
{
  "OrderRequest": {
    "version": "2.0",
    "xmlns": "http://www.bic.org.uk/webservices/tradeOrderRequest",
    "Header": {
      "AccountIdentifier": {
        "AccountIDType": "01",
        "IDValue": "12345"
      },
      "RequestNumber": "001",
      "OrderNumber": "1012345",
      "IssueDateTime": "20191120T1525"
    },
    "ItemDetail": [
      {
        "LineNumber": 1,
        "ProductIdentifier": [
          {
            "ProductIDType": "03",
            "IDValue": "9780123456789"
          }
        ],
        "OrderQuantity": 5,
        "Price": {
          "PriceAmount": {
            "MonetaryAmount": 9.99,
            "PriceType": "01"
          }
        }
      },
      {
        "LineNumber": 2,
        "ProductIdentifier": [
          {
            "ProductIDType": "03",
            "IDValue": "9780987654321"
          }
        ],
        "OrderQuantity": 2,
        "Price": {
          "PriceAmount": {
            "MonetaryAmount": 15.99,
            "PriceType": "01"
          }
        }
      }
    ]
  }
}
```

ORDER RESPONSE

The Response will use the protocol corresponding to the Request. If the Request uses the basic HTTPS protocol, the Response will be an XML or JSON document as specified below attached to a normal HTTPS 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 2.0	<OrderResponse version="2.0"> { "OrderResponse": { "version": ...
-----------------------------------	--

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 code list 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 code list for the scheme used for the account identifier. Must be specified if an account identifier is specified. Permitted schemes are: 01 Proprietary 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 ⁶	D	ResponsePurposeCode <i>Original</i> <i>Duplicate</i>

⁶ 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>Language of description. Mandatory if included in the request. See request header line 9.</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 code list 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>D</p> <p>M</p> <p>D</p> <p>M</p>	<p>ResponseCoded.</p> <p>ResponseType</p> <p>ResponseTypeDescription</p> <p>DescriptionLanguageCode</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 (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)</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>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 code list 7 Title, author etc. in a single string Title: text Author name (repeatable): text Series title: text Volume or part designation: text Edition statement: text Place of publication: text Country of publication: text Publisher: text Date of publication: YYYYMMDD Year of publication: YYYY	D D D D D D D D D D D D D D D	ItemDescription ProductForm TitleDetail Title Author SeriesTitle VolumeOrPart EditionStatement CityOfPublication CountryOfPublication PublisherName DateOfPublication YearOfPublication	R
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-time (for format options see Header line 6)	D M D D	ReferenceCoded ReferenceTypeCode ReferenceNumber ReferenceDateTime	R
7	Offered or confirmed unit price – see below for detailed description.	D	Price	
8	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	
9	Quantity in process for shipping now	D	QuantityShipping	
10	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 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

Response detail (continued)

	Responses for all items included in the order request	D	ItemDetail.	
11	Quantity backordered	D	BackorderedQuantity	
12	Quantity cancelled	D	CanceledQuantity	
13	<p>Product availability status. Mandatory unless the order line is shipping now.</p> <p>Supplier item availability code value. Indicates current availability of the item from the supplier responding to this request, or, when the web service host is an aggregator, from the supplier identified in the request (see request header line 12). See Table 2 for <i>BIC Realtime</i> web services availability status codes that should be used in this context.</p> <p>Publisher's distributor's product availability code value – use ONIX code list 65. Should be included if known, unless the order line is shipping now.</p> <p>Availability date for the ordered product (YYYYMMDD) – mandatory with certain publisher product availability code values.</p> <p>Publishing status code value – use ONIX code list 64.</p> <p>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.</p> <p>Expected order time for a non-stock item – in days</p>	D M D D D D	<p>AvailabilityCoded</p> <p>SupplierAvailabilityCode</p> <p>PublisherAvailabilityCode</p> <p>ExpectedShipDate</p> <p>PublishingStatusCode</p> <p>ConsumerOnSaleDate</p> <p>OrderTime</p>	
18	<p>Stock detail – repeated if stock levels are reported for more than one location.</p> <p>Location – must include at least one identifier, a name, or both</p> <p>Location identifier</p> <p>Location ID type</p> <p>01 Proprietary</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>Quantity on hand</p> <p>Quantity on order</p> <p>Committed backorder quantity</p> <p>Stock movement rate / velocity – repeated for different measures of stock movement</p> <p>Velocity type code</p> <p>01 Maximum daily sale</p> <p>02 Vendor rating</p> <p>Velocity value</p>	D D D M D M D D D D D M M	<p>Stock.</p> <p>Location.</p> <p>LocationIdentifier</p> <p>LocationIDType</p> <p>IDTypeName</p> <p>IDValue</p> <p>LocationName</p> <p>OnHandQuantity</p> <p>OnOrderQuantity</p> <p>CBOQuantity</p> <p>Velocity</p> <p>VelocityCode</p> <p>VelocityValue</p>	R R R
19	<p>Substitute product details (for further description see corresponding details for the ordered product).</p> <p>EAN-13 product number</p> <p>Alternative product identifier</p>	D D D	<p>Substitute.</p> <p>EAN13</p> <p>ProductIdentifier.</p>	R
20	<p>Supply terms. If omitted, standard trade terms may be assumed to apply to this product. Permitted values are:</p> <p>00 Standard trade terms – default</p> <p>01 Sale or return</p> <p>02 Firm sale only</p>	D	SupplyTerms	

Offered or confirmed unit price

	Offered or confirmed unit price	D	ItemDetail.Price.	
1	Supplier's price identifier, associating the price with a set of terms and conditions, which may be confirmed by including the elements in lines 3–6 below. The price identifier must match a price identifier specified in the current ONIX record for the same item. Proprietary price identifier scheme – use ONIX code list 217 Proprietary scheme name Identifier value	D M D M	PriceIdentifier PriceIDType IDTypeName IDValue	
2	Price qualifier corresponding to the supplier's price identifier – use ONIX code list 59.	D	PriceQualifier	
3	For digital items, the technical protection method(s) applied as a condition of sale at the supplier's price identifier. Repeatable – use ONIX code list 144.	D	EpubTechnicalProtection	R
4	Usage constraint(s) associated with the supplier's identified price. Repeatable Type of constraint – use ONIX code list 230. Status of constraint – use ONIX code list 146. Limit of constraint Limiting quantity Quantity unit – use ONIX code list 147.	D M M D M M	PriceConstraint PriceConstraintType PriceConstraintStatus PriceConstraintLimit Quantity PriceConstraintUnit	R R
5	For digital items, the licensing terms applicable as a condition of sale at the supplier's identified price. License name License expression Expression type – use ONIX code list 218. Expression type name URI of license expression	D M D M D M	EpubLicense EpubLicenseName EpubLicenseExpression EpubLicenseExpressionType EpubLicenseExpressionTypeName EpubLicenseExpressionLink	R
6	Further conditions applicable to the supplier's identified price. Type of condition – use ONIX code list 167. Quantity associated with condition Type of quantity – use ONIX code list 168. Quantity Quantity unit – use ONIX code list 169.	D M D M M M	PriceCondition PriceConditionType PriceConditionQuantity PriceConditionQuantityType Quantity QuantityUnit	R R

Offered or confirmed unit price (continued)

	Offered or confirmed unit price	D	ItemDetail.Price.	
7	<p>Price amount. May be repeated for different currencies or price types. Must be included if no price identifier is included.</p> <p>Price amount</p> <p>Currency: ISO 4217 currency code</p> <p>Price type – use ONIX code list 58.</p> <p>Tax details. May be included only if the price amount is inclusive of any tax. May be repeated for split-rate items only.</p> <p>Product identifier. Included only for split-rate items when trading terms require identification of the item(s) to which this rate applies.</p> <p>Product ID type – see ONIX code list 5</p> <p>ID type name, only if proprietary</p> <p>Product number</p> <p>Tax component description</p> <p>Language of description. Mandatory if included in the request. See request header line 9.</p> <p>Tax type – see ONIX code list 171</p> <p>Tax rate code – see ONIX code list 62</p> <p>Tax rate: percentage. Mandatory if either the taxable amount is specified or the tax amount isn't specified</p> <p>Taxable amount. Mandatory if the tax rate is specified or the tax amount isn't specified.</p> <p>Tax amount. Mandatory if no tax rate or taxable amount is specified.</p>	<p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>M</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p>	<p>PriceAmount</p> <p>MonetaryAmount</p> <p>CurrencyCode</p> <p>PriceType</p> <p>Tax</p> <p>ProductIdentifier</p> <p>ProductIDType</p> <p>IDTypeName</p> <p>IDValue</p> <p>PricePartDescription</p> <p>DescriptionLanguageCode</p> <p>TaxType</p> <p>TaxRateCode</p> <p>TaxRatePercent</p> <p>TaxableAmount</p> <p>TaxAmount</p>	<p>R</p> <p>R</p> <p>R</p>
8	Total % discount expected to apply to this price – decimal number between 0 and 100	D	DiscountPercent	
9	<p>Discount code from a specified scheme</p> <p>Discount code scheme – see ONIX code list 100</p> <p>Scheme name, only if scheme is proprietary</p> <p>Discount code value from the specified scheme</p>	<p>D</p> <p>M</p> <p>D</p> <p>M</p>	<p>DiscountCoded</p> <p>DiscountCodeType</p> <p>DiscountCodeTypeName</p> <p>DiscountCode</p>	R
10	<p>Supply terms. If omitted, standard trade terms may be assumed to apply to this product. Permitted values are:</p> <p>00 Standard trade terms – default</p> <p>01 Sale or return</p> <p>02 Firm sale only</p>	D	SupplyTerms	

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

```
<OrderResponse version="2.0"
xmlns="http://www.bic.org.uk/webservices/tradeOrderRequest">
  <Header>
    <IssueDateTime>20191120T1526</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>20191120T152500</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>
    <Price>
      <PriceAmount>
        <MonetaryAmount>9.99</MonetaryAmount>
        <PriceType>01</PriceType>
      </PriceAmount>
    </Price>
    <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>
<Price>
  <PriceAmount>
    <MonetaryAmount>15.99</MonetaryAmount>
    <PriceType>01</PriceType>
  </PriceAmount>
</Price>
<OrderLineStatusCoded>
  <StatusCodeType>02</StatusCodeType>
  <StatusCode>AcceptedBackordered</StatusCode>
</OrderLineStatusCoded>
<BackorderedQuantity>2</BackorderedQuantity>
<AvailabilityCoded>
  <PublisherAvailabilityCode>31</PublisherAvailabilityCode>
  <ExpectedShipDate>20191122</ExpectedShipDate>
</AvailabilityCoded>
</ItemDetail>
</OrderResponse>
```

Example of an Order Response JSON payload using the HTTPS protocol and the POST method:

```
{
  "OrderResponse": {
    "version": "2.0",
    "xmlns": "http://www.bic.org.uk/webservices/tradeOrderRequest",
    "Header": {
      "IssueDateTime": "20191120T1526",
      "SenderIdentifier": {
        "SenderIDType": "01",
        "IDValue": "XYZ"
      },
      "AccountIdentifier": {
        "AccountIDType": "01",
        "IDValue": "12345"
      },
      "ReferenceCoded": [
        {
          "ReferenceTypeCode": "01",
          "ReferenceNumber": "001",
          "ReferenceDateTime": "20191120T152500"
        },
        {
          "ReferenceTypeCode": "11",
          "ReferenceNumber": "1012345"
        }
      ],
      "ResponseCoded": [ {"ResponseType": "02"} ],
      "OrderStatus": "03"
    },
    "ItemDetail": [
      {
        "LineNumber": 1,
        "ProductIdentifier": [
          {
            "ProductIDType": "03",
            "IDValue": "9780123456789"
          }
        ],
        "OrderQuantity": 5,
        "ReferenceCoded": [
          {
            "ReferenceTypeCode": "12",
            "ReferenceNumber": "1"
          }
        ],
        "Price": {
          "PriceAmount": {
            "MonetaryAmount": 9.99,
            "PriceType": "01"
          }
        },
        "OrderLineStatusCoded": {
          "StatusCodeType": "02",
          "StatusCode": "AcceptedShipping"
        },
        "QuantityShipping": 5
      }
    ]
  }
}
```

```
{
  "LineNumber": 2,
  "ProductIdentifier": [
    {
      "ProductIDType": "03",
      "IDValue": "9780987654321"
    }
  ],
  "OrderQuantity": 2,
  "ReferenceCoded": [
    {
      "ReferenceTypeCode": "12",
      "ReferenceNumber": "2"
    }
  ],
  "Price": {
    "PriceAmount": {
      "MonetaryAmount": 15.99,
      "PriceType": "01"
    }
  },
  "OrderLineStatusCoded": {
    "StatusCodeType": "02",
    "StatusCode": "AcceptedBackordered"
  },
  "BackorderedQuantity": 2,
  "AvailabilityCoded": {
    "PublisherAvailabilityCode": "31",
    "ExpectedShipDate": "20191122"
  }
}
]
```

Table 1: EDItEUR order line status codes

Used in OrderLineStatusCoded.StatusCode (page 15, line 8), 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: Supplier item availability codes

Used in SupplierAvailabilityCode (page 16 line 13).

Code value	Description
10	Not yet available - reason may be provided by publisher product availability code and/or publishing status code
20	Available - further information on the precise nature of the availability should normally be provided by publisher product availability code
21	Available - from stock - no additional availability information would normally be provided
23	Available - manufactured on demand
30	Temporarily unavailable - reason may be provided by publisher product availability code
31	Temporarily unavailable due to stock taking
40	Not available - if due to a supply chain issue, the reason should be provided by publisher product availability code and/or publishing status code
41	Not available - publisher address unknown
42	Not available - publisher no longer trading
43	Not available - rights restricted
44	Not available in pack/set form - only available singly
80	Sold - second-hand or antiquarian item
90	Availability uncertain - no further information
91	Availability uncertain - item not known / identifier not recognised
92	Availability uncertain - apply to customer services