



# *Book Industry Communication*

## **BIC Realtime**

*Standards for Instant Business Message Exchange*

### **CDF Order Request and CDF Order Response**

Version 1.1, 8 February 2016

**This document:** <http://www.bic.org.uk/files/pdfs/BICWSCDFOrderRequestResponse-V1.1.pdf>  
**XML schema:** <http://www.bic.org.uk/files/xml/BICWSCDFOrderRequestResponse-V1.1.xsd>  
**WSDL file:** <http://www.bic.org.uk/files/xml/BICWSCDFOrderRequestResponseSOAP-V1.1.wsdl>  
**XML namespace:** <http://www.bic.org.uk/webservices/cdfOrderRequest>  
**Next review date:** 1 February 2018

This document specifies in human-readable form the *BIC Realtime* web services CDF Order Request and CDF Order Response formats. These formats are the first in a series of formats to support the use of *BIC Realtime* web services for supply chain communication for Consumer Direct Fulfilment.

Two separate formats are specified for CDF Order Requests:

- an HTTP query format for use with implementations that use the basic HTTP protocol<sup>1</sup> 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* CDF 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 CDF Order (version 1.2) and CDF Order Response (version 1.1) formats developed by EDItEUR.

#### **Business requirements**

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<sup>1</sup> 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, where this complements existing paper-based and electronic ordering methods, involving direct fulfilment of the order to the consumer. Using this service, the buyer can receive an immediate response to the CDF order and not simply a technical acknowledgement of receipt.

The real-time nature of *BIC Realtime* web services makes it well suited to Consumer Direct Fulfilment, in which orders frequently contain a single line item, or at most a small number of line items.

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.

### More detailed description of the CDF Order Business Case

This *BIC Realtime* web service has been designed with the following users in mind:

1. Online retailers that choose not to hold stock and outsource the fulfilment of orders to wholesalers and distributors.
2. As above, but the retailer holds stock of selected front list titles and outsources tail supply to one or more wholesalers and distributors.
3. "Bricks and mortar" stores may take orders from consumers in the store for products they don't stock and arrange for their supplier to deliver directly to the consumer's home address.

### 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 lines 35-36: Parameters 'TradeBillToPartyIDType' and 'TradBillToPartyIDValue' added for consistency with HTTP POST Request.
Page 6	HTTP Request example: Value of request parameter 'AccountIDType' changed from '02' (value deprecated) to '01'.
Page 7	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 8	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 15: 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 15: Element <LocationIdentifier> specified to be repeatable.
Page 11	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 10: Description of element <Price> changed to make it clear that <Price> must not be repeated within <PricingDetail> and that <ShippingCharge> is within <PricingDetail>.
- Page 13 Request example: Value in element <AccountIDType> changed from '02' (value deprecated) to '01'.
- Page 14 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: Element <ReferenceCoded> made repeatable.  
Response header line 5: Value '24' added to code list.  
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>.
- Page 15 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 10: Code value list used by element <TaxTypeCode> clarified for consistency with XML schema.
- Page 16 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> and that <ShippingCharge> is within <PricingDetail>..
- Page 17 Response detail line 15: 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 15: Element <LocationIdentifier> specified to be repeatable.
- Page 18 Response detail line 25: 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 25: Element <LocationIdentifier> specified to be repeatable.
- Page 20 Response example: Values in elements <SenderIDType> and <AccountIDType> changed from '02' (value deprecated) to '01'.

## CDF 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.

<sup>2</sup>	Parameter description	M <sup>3</sup>	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 CDF 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	CDF invoice reference	D	CDFInvoiceReference
12	ISO 4217 currency code specifying the currency in which the requester would prefer prices to be quoted, and in which any expected price is quoted	D	CurrencyCode
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 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
17	A unique supplier identifier of the specified type	D	SupplierIDValue

<sup>2</sup> The order of parameters in an HTTP GET Request is insignificant.

<sup>3</sup> 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	
18	Ship-to party name	M	ShipToPartyName	
19	Ship-to party address line 1	M	ShipToPartyAddress1	
20	Ship-to party address line 2	D	ShipToPartyAddress2	
21	Ship-to party address line 3	D	ShipToPartyAddress3	
22	Ship-to party address line 4	D	ShipToPartyAddress4	
23	Ship-to party postal or zip code	D	ShipToPartyPostalCode	
24	Ship-to party country – ISO two-letter country code	D	ShipToPartyCountryCode	
25	Ship-to party contact phone	D	ShipToPartyContactPhone	
26	Ship-to party contact fax	D	ShipToPartyContactFax	
27	Ship-to party contact email	D	ShipToPartyContactEmail	
28	Ship-to party contact name	D	ShipToPartyContactName	
29	Bill-to party name – Mandatory if the bill-to party name and address are not the same as the ship-to party name and address.	D	BillToPartyName	
30	Bill-to party address line 1 – Mandatory if the bill-to party name and address are not the same as the ship-to party name and address.	D	BillToPartyAddress1	
31	Bill-to party address line 2	D	BillToPartyAddress2	
32	Bill-to party address line 3	D	BillToPartyAddress3	
33	Bill-to party address line 4	D	BillToPartyAddress4	
34	Bill-to party address line 5	D	BillToPartyAddress5	
35	Trade bill-to party identifier type. Mandatory if the invoice is to be sent to a trade party other than the requester. This parameter contains a code value from a BIC-controlled codelist for the type of identifier of the supplier - see ONIX codelist 92	D	TradeBillToPartyIDType	
36	Trade bill -to party identifier	D	TradeBillToPartyIDValue	
37	Shipping instructions. 00 Follow standing instructions (default) 01 Ship this order separately without delay  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	
38	Retailer invoicing instructions 01 Invoice this order separately 02 This order may be combined with others for invoicing purposes.	D	InvoicingInstructionsCode	
39	EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier)	D	EAN13	
40	A code value from a BIC-controlled codelist for the type of an alternative identifier of the product (see ONIX codelist 5).	D	ProductIDType	
41	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	
42	Item description – title, author etc. in a single string	D	TitleDetail	
43	Quantity ordered	M	OrderQuantity	
44	Expected trade unit price	D	PriceAmount	

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

	Parameter description		Name	
45	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	
46	BIC discount group code	D	BICDiscountGroupCode	
47	% trade discount expected to apply to this order – decimal number between 0 and 100	D	DiscountPercentage	
48	% consumer discount	D	ConsumerDiscountPercentage	
49	Gift wrap required for all items on this CDF order. Values from 01 to 99 defined by trading partner agreement.	D	GiftWrapType	
50	Type of gift message to include with item. Values from 01 to 99 defined by trading partner agreement.	D	GiftMessageType	
51	Line 1 of gift message to include with item	D	GiftMessageLine1	
52	Line 2 of gift message to include with item	D	GiftMessageLine2	
53	Line 3 of gift message to include with item	D	GiftMessageLine3	
54	Line 4 of gift message to include with item	D	GiftMessageLine4	
55	Type of message to include in all transactions associated with this order. Values from 01 to 99 defined by trading partner agreement.		MessageType	
56	Line 1 of message	D	MessageLine1	
57	Line 2 of message	D	MessageLine2	
58	Line 3 of message	D	MessageLine3	
59	Line 4 of message	D	MessageLine4	
60	Packing slip required (absence of the element means no packing slip required). Values from 01 to 99 defined by trading partner agreement.	D	PackingSlipType	
61	Prices to be shown on the packing slip, if any 00 Supplier to show NO prices on packing slip, eg for gift orders 01 Show specified prices on packing slip. Line item detail must include the price specified by the buyer. 02 Supplier to provide prices on packing slip. Packing slip must include retail prices provided by the supplier	D	PackingSlipPrices	
62	Number(s) of gift certificate(s) to use against order (space-separated list, if more than one)	D	GiftCertificateNumbers	
63	Value(s) of gift certificate(s) to use against order (space-separated list, if more than one certificate)	D	GiftCertificateAmounts	
64	Type of coupon to use against order (only one type may be specified)	D	CouponType	
65	Number(s) of coupon(s) to use against order (space-separated list, if more than one)	D	CouponNumbers	
66	Value(s) of coupon(s) to use against order (space-separated list, if more than one)	D	CouponAmounts	

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

<http://www.booksupplier.co.uk/CDFOrderingService?ClientID=12345&ClientPassword=x9a44Ysj&AccountIDType=01&AccountIDValue=12345&OrderNumber=1012345&IssueDateTime=20151120T152500&ProductIDType=03&ProductIDValue=9780123456789&OrderQuantity=1&PriceAmount=9.99&PriceQualifierCode=05>

**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**

	<b>CDF Order request Version 1.1</b>		<b>&lt;CDFOrderRequest version="1.1"&gt;</b>	
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**Header**

	<b>Request header</b>	<b>M</b>	<b>Header.</b>	<b>4</b>
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 (DEPRECATED) 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 18 End customer order reference 24 Order source location reference 25 CDF invoice 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	ISO 4217 currency code specifying the 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

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





## 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 trade terms: credit period Number of days from date of invoice, or Due date YYYYMMDD	D	PaymentTerms. NetDaysDue NetDueDate	
20	Expected trade 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	
21	% trade discount expected to apply to this order – decimal number between 0 and 100	D	DiscountPercentage	
22	% discount to apply to consumer price for whole order	D	ConsumerDiscountPercentage	
23	Gift wrap required for all items ordered (absence of this element means “no gift wrap required”). Note that if gift wrap is required on some line items but not on others, this element must be omitted. Values 01 to 99 defined by trading partner agreement.	D	GiftWrapType	
24	Gift message required for whole order. Message type: code string values defined by trading partner agreement Message content (repeatable)	D M M	GiftMessage. GiftMessageType GiftMessageLine	R
25	Other message required for whole order. Message type: code string values defined by trading partner agreement Message content (repeatable)	D M M	Message. MessageType MessageLine	R R
26	Packing slip required (absence of this element means “no packing slip required”). Values 01 to 99 defined by trading partner agreement.	D	PackingSlipType	

## Header (continued)

	Request header	M	Header.	
27	Prices to be shown on the packing slip, if any. Code values are: 00 Supplier to show NO prices on packing slip, eg for gift orders 01 Show specified prices on packing slip. Line item detail must include the price specified by the buyer. 02 Supplier to provide prices on packing slip. Packing slip must include retail prices provided by the supplier	D	PackingSlipPrices	
28	Per-order shipping charge Shipping charge amount excluding tax if any Shipping charge tax Tax type 01 VAT Tax rate code Tax rate percent Taxable amount of unit price (for mixed-rate items only) Tax amount	D M D M D D D	ShippingCharge. MonetaryAmount Tax. TaxTypeCode TaxRateCode Percent AmountTaxable TaxAmount	R
29	Gift certificate to use against order (repeatable) Certificate number Value	D M M	GiftCertificate. CertificateNumber MonetaryAmount	R
30	Coupon to use against order (repeatable) Coupon type (values 01 to 99) <sup>5</sup> Coupon number Value Percentage discount	D M M D D	Coupon CouponType CouponNumber MonetaryAmount Percent	R

<sup>5</sup> A coupon can be used only against line items with a matching type.

## Request detail

	Item detail	M	ItemDetail.	R
1	CDF 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 – must contain at least one of the following elements. Title, author etc. in a single string Title only Author (repeatable)	D D D D	ItemDescription. TitleDetail Title Author	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 26 CDF invoice line 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 – see Header line 12 for structure details	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 10 to 13) 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

**Request detail (continued)**

	<b>Item detail</b>	<b>M</b>	<b>ItemDetail.</b>	
11	Expected trade 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	% trade discount expected to apply to line item – decimal number between 0 and 100	D	PricingDetail.DiscountPercentage	
13	Shipping charge for line item, per unit – same structure as Header line 29.	D	PricingDetail.ShippingCharge	
14	Expected line total excluding tax – in preferred currency	D	LineTotalExcludingTax	
15	Expected line total including tax – in preferred currency	D	LineTotalIncludingTax	
16	% consumer discount to apply to line item – decimal number between 0 and 100	D	ConsumerDiscountPercentage	
17	Coupon type (values 01 to 99 – see Header line 31) (repeatable)	D	CouponType	R
18	Gift wrap required (absence of this element means “gift wrap as specified in header”, or, if no gift wrap was specified in the header, “no gift wrap”). Values 01 to 99 defined by trading partner agreement.	D	GiftWrapType	
19	Gift message required for line item. Message type: code string values defined by trading partner agreement Message content (repeatable)	D M M	GiftMessage. GiftMessageType  GiftMessageLine	R
20	Other message required for line item. Message type: code string values defined by trading partner agreement Message content (repeatable)	D M M	Message. MessageType  MessageLine	R
21	Do not list on packing slip (sent when the line item refers to an insert). The only code value is: 1 Do not list	D	DoNotList	

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

```
<CDFOrderRequest version="1.1
  xmlns="http://www.bic.org.uk/webservices/cdfOrderRequest">
  <Header>
    <ClientID>12345</ClientID>
    <ClientPassword>x9a44Ysj</ClientPassword>
    <AccountIdentifier>
      <AccountIDType>01</AccountIDType>
      <IDValue>12345</IDValue>
    </AccountIdentifier>
    <RequestNumber>001</RequestNumber>
    <OrderNumber>1012345</OrderNumber>
    <IssueDateTime>20151120T1525</IssueDateTime>
    <ShipToParty>
      <PartyName>Mr J. Smith</PartyName>
      <PostalAddress>
        <AddressLine>1 Nutberry Drive</AddressLine>
        <AddressLine>Newford</AddressLine>
        <AddressLine>XX1 2XX</AddressLine>
      </PostalAddress>
    </ShipToParty>
  </Header>
  <ItemDetail>
    <LineNumber>1</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780123456789</IDValue>
    </ProductIdentifier>
    <OrderQuantity>1</OrderQuantity>
    <PricingDetail>
      <Price>
        <MonetaryAmount>9.99</MonetaryAmount>
        <PriceQualifierCode>01</PriceQualifierCode>
      </Price>
    </PricingDetail>
  </ItemDetail>
</CDFOrderRequest>
```

## CDF 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

<b>CDF order response Version 1.1</b>	<b>&lt;CDFOrderResponse version="1.1"&gt;</b>	
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### Header

	<b>Payload header</b>	<b>M</b>	<b>Header.</b>	
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 25 CDF invoice 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	R
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 <sup>6</sup>	D	ResponsePurposeCode  <i>Original</i> <i>Duplicate</i>	

<sup>6</sup> Code value '02' in ResponsePurposeCode should only be returned if the CDF 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:  01 Service unavailable  02 Invalid ClientID or ClientPassword  03 Server unable to process request – a reason should normally be given as a free text description – see below  10 Duplicate order number  16 Invalid or unknown account or supplier identifier  19 Server unable to process request – unable to contact supplier  20 Order request acknowledged – awaiting response from supplier</p> <p>Free text description / reason for response  Supplier identifier (only included if specified in the request header; mandatory if the response type code is '19' or '20').  Supplier ID type - see ONIX codelist 92  ID type name, only if ID type = proprietary  Identifier</p>	D M D D M D M	<p>ResponseCoded.</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 (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  Location ID type  01 Proprietary  02 Proprietary (DEPRECATED)  06 EAN-UCC GLN  07 SAN  Proprietary location ID type name  Location ID value  Location name</p>	D M D M D M D	<p>ShippingFrom.</p> <p>Location</p> <p>LocationIdentifier</p> <p>LocationIDType</p> <p>IDTypeName</p> <p>IDValue</p> <p>LocationName</p>	R
10	<p>Per-order shipping charge, if not (the same as) included in the CDF order request</p> <p>Shipping charge amount excluding tax if any  Shipping charge tax  Tax type – permitted values:  01 VAT  Tax rate code  Tax rate percent  Taxable amount of unit price (for mixed-rate items only)  Tax amount</p>	D M D M D D D	<p>ShippingCharge.</p> <p>MonetaryAmount</p> <p>Tax.</p> <p>TaxTypeCode</p> <p>TaxRateCode</p> <p>Percent</p> <p>AmountTaxable</p> <p>TaxAmount</p>	R
11	<p>Response type (mandatory)  01 Response has no line item detail  02 Response includes all order lines  03 Response includes only lines which are not shipping immediately</p>	M	OrderResponseType	
12	<p>Order status – mandatory unless there is an exception condition.  01 Order accepted – shipping  02 Order accepted – all backordered  03 Order accepted – see detail  04 Order accepted but cannot be processed normally – see order status message  05 Order not accepted – see detail  06 Order accepted – awaiting shipping authorization</p>	D	OrderStatus	
13	Order status message. Mandatory if the order status is '04' or '06'.	D	OrderStatusMessage	

## Response detail

	<b>Responses for all items included in the order request. Mandatory unless the response type code indicates exception conditions.</b>	<b>D</b>	<b>ItemDetail.</b>	<b>R</b>
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 Title Author Measurements / weight Measure type 01 Height (of cover of book) 02 Width (of cover of book) 03 Thickness (of spine of book) 04 Total weight of delivered line Measurement value (decimal number) Measure unit 01 Centimetre 02 Millimetre 03 Inch 04 Gram 05 Kilogram 06 Ounce 07 Pound	D D D D D D M M M	ItemDescription ProductForm TitleDetail Title Author Measure MeasureTypeCode  Measurement MeasureUnitCode	R 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 26 CDF invoice line 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 10) 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 % trade discount offered, to apply to this line item – decimal number between 0 and 100	D	PricingDetail.DiscountPercentage	



## Response detail (continued)

	Responses for all items included in the order request	D	ItemDetail.	
10	Shipping charge for line item, per unit – same structure as Header line 10.	D	PricingDetail.ShippingCharge	
11	Line total excluding tax – in default currency.	D	LineTotalExcludingTax	
12	Line total including tax – in default currency.	D	LineTotalIncludingTax	
13	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	OrderLineStatusCoded.  StatusCodeType  StatusCode	
14	Quantity in process for shipping now	D	QuantityShipping	
15	Shipping detail (used only if the shipment is 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
16	Quantity backordered	D	BackorderedQuantity	
17	Quantity cancelled	D	CancelledQuantity	
18	Item link to packaging list (repeatable) Quantity Package number in list	D D M	PackageReference PackedQuantity PackageNumber	R
19	Supplier item availability code value. See Table 2 for BIC Realtime web services availability status codes that should be used in this context.	D	SupplierAvailabilityCode	
20	Publisher product availability code value. Should be included if known, unless the order line is shipping now. See Table 3 for ONIX product availability status codes that may be used in this context.	D	PublisherAvailabilityCode	
21	Availability date for the ordered product (YYYYMMDD) – mandatory with certain publisher product availability code values.	D	ExpectedShipDate	
22	Publishing status code value – see ONIX codelist 64	D	PublishingStatusCode	
23	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	
24	Expected order time for a non-stock item – in days	D	OrderTime	



**Packaging Detail**

	<b>Element</b>	<b>D</b>	<b>CDFOrderResponse.PackageDetail.</b>	<b>R</b>
1	Package type Scheme from which package type code is taken: 01 EDItEUR international package code 02 UK book trade package code 03 US book trade package code Package type code	M M M	PackageTypeCoded PackageTypeCodeType PackageTypeCode	
2	Number of packages	M	NumberOfPackages	
3	Package description (repeatable) Package number in list, required if package contents (as line items) are linked to the packages in which they are sent Package mark Type of package mark 01 SSCC-18 standard 02 Carrier's proprietary number Package mark value Measurements / weight Measure type 01 Height (of cover of book) 02 Width (of cover of book) 03 Thickness (of spine of book) 04 Total weight of delivered line Measurement value (decimal number) Measure unit 01 Centimetre 02 Millimetre 03 Inch 04 Gram 05 Kilogram 06 Ounce 07 Pound	D D M M M D M M M M M	Package. PackageNumber PackageMark. PackageMarkTypeCode PackageMarkValue Measure. MeasureTypeCode Measurement MeasureUnitCode	R R

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

```
<CDFOrderResponse version="1.1"
  xmlns="http://www.bic.org.uk/webservices/cdfOrderRequest">
  <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>
    <OrderResponseType>02</OrderResponseType>
    <OrderStatus>01</OrderStatus>
  </Header>
  <ItemDetail>
    <LineNumber>1</LineNumber>
    <ProductIdentifier>
      <ProductIDType>03</ProductIDType>
      <IDValue>9780123456789</IDValue>
    </ProductIdentifier>
    <OrderQuantity>1</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>1</QuantityShipping>
  </ItemDetail>
</CDFOrderResponse>
```

**Table 1: EDItEUR order line status codes**

Used in OrderLineStatusCoded.StatusCode (page 17, line 13), 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 canceled at buyer's request
16	<i>CanceledCannotSupply</i>	Order line canceled, 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 canceled
21	<i>CanceledOutOfTime</i>	Order line canceled, 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 canceled, 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 canceled – 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 canceled – cannot ship by requested "ship by" date
29	<i>CanceledSold*</i>	Order line canceled – second-hand or antiquarian item already sold
30	<i>CanceledStockTaking*</i>	Order line canceled – 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)

<b>No</b>	<b>Value</b>	<b>Description</b>
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 canceled
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 canceled due to a query concerning an additional service requested. The item should be re-ordered once the query has been resolved.
55	<i>AwaitingAuthorizationToShip</i>	NOTE – BIC Realtime web service code value not yet in EDItEUR code list

**Table 2: Supplier item availability codes**

Used in SupplierAvailabilityCode (page 17 line 19 and page 18 line 24).

<b>Code value</b>	<b>Description</b>
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

**Table 3: EDItEUR ONIX product availability codes**

Used in PublisherAvailabilityCode (page 17 line 20 and page 18 line 24).

<b>ONIX</b>	<b>Description</b>
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, e.g. for legal reasons
99	Apply to customer service