Book Industry Communication

BIC Realtime

Standards for Instant Business Message Exchange

Order Shipping Details Change Request and Reponse

Version 2.0, 3 April 2020

This document: https://www.bic.org.uk/files/pdfs/API/Trade/BICWSOrderShippingDetailsChange-V2.0.pdf
XML schema: https://www.bic.org.uk/files/xml/BICWSOrderShippingDetailsChange_V2.0.xsd
WSDL file: https://www.bic.org.uk/files/xml/BICWSOrderShippingDetailsChangeSOAP_V2.0.wsdl
XML namespace: https://www.bic.org.uk/webservices/orderShippingDetailsChange
Next review date: 26 February 2021

This document specifies in human-readable form the *BIC Realtime* web services Order Shipping Details Change Request and Response formats.

Three alternative formats are specified for Requests:

- an HTTPS query format for use with implementations that use the basic HTTPS protocol[1] and GET method – sometimes referred to as the REST approach

- an XML format for use with both 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 Shipping Details Change 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.

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[1] Throughout the term 'HTTPS 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).

Business requirements

There is a need for buyers to change shipping details on orders and items already placed with a supplier but not yet shipped. A common use case is the need to change the address to which items are to be shipped in Consumer Direct Fulfilment. Another use case is the need to change carrier, a circumstance that could occur in both trade and CDF supply.

Correction and additions for Version 2.0 made January 2020

General   Version number updated from '1.0C' to '2.0' in specification tables and examples.

Support for JSON implementation added to specification tables and examples.

Text corrected in various places to make it clear that the SOAP protocol only supports XML payloads and not JSON payloads.

Deprecated elements and code values removed.

Page 3   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.

Page 5   HTTPS Request line 50: 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.

Page 6   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.

Request header line 7: 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.

Page 8   Request order detail line 10: Element Tax changed for consistency with the *BIC Realtime* CDF Order Request/Response API.

Page 9   Request item detail line 6: Element Tax changed for consistency with the *BIC Realtime* CDF Order Request/Response API.

Page 13   Response header line 7: Element DescriptionLanguageCode added to enable language of description to be specified. The value must be a three-letter language code from ONIX code list 74.

Response order detail line 2: Element DescriptionLanguageCode added to enable language of description to be specified. The value must be a three-letter language code from ONIX code list 74.

Page 14   Response order detail line 4: Element Tax changed for consistency with the *BIC Realtime* CDF Order Request/Response API.

Page 15   Response item detail line 5: Element DescriptionLanguageCode added to enable language of description to be specified. The value must be a three-letter language code from ONIX code list 74.

Response item detail line 7: Element Tax changed for consistency with the *BIC Realtime* CDF Order Request/Response API.

ORDER SHIPPING DETAILS CHANGE – 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	Identification number of this request	D	RequestNumber	
4	A code value from a BIC-controlled codelist for the scheme used for the customer account identifier (see ONIX codelist 44). Permitted values are: *01* Proprietary *06* EAN-UCC GLN *07* SAN *11* PubEasy PIN	D	AccountIDType	
5	Account identifier for this request, using the specified scheme.	D	AccountIDValue	
6	A date/time reference for this request	D	IssueDateTime	
7	If and only if this parameter is supported by the *BIC Realtime* web service implementation, a third party supplier may be specified where the web service host is not the supplier fulfilling the order, 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	
8	A unique supplier identifier of the specified type.	D	SupplierIDValue	
9	Order to which this request relates. Mandatory.	M	OrderReferenceNumber	
10	Buyer's order line reference, if the request relates to a specific order line and not the whole order.	D	OrderLineReferenceNumber	
11	Supplier's order reference	D	SupplierOrderReferenceNumber	
12	CDF invoice reference	D	CDFInvoiceReference	
13	End-customer order reference	D	ConsumerOrderReference	
14	Order fill terms *01* Fill all or kill all *02* Fill all or backorder all *03* Fill available, kill remainder *04* Fill available, kill remainder unless not yet published *05* Fill available, backorder remainder and ship when complete *06* Fill available, backorder remainder and ship as available	D	FillTermsCode	
15	Ship-to party name	M	ShipToPartyName	
16	Ship-to party address line 1	M	ShipToPartyAddress1	
17	Ship-to party address line 2	D	ShipToPartyAddress2	
18	Ship-to party address line 3	D	ShipToPartyAddress3	
19	Ship-to party address line 4	D	ShipToPartyAddress4	

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[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.

20	Ship-to party postal or zip code	D	ShipToPartyPostalCode	

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

	Parameter description		Name	
21	Ship-to party country – ISO two-letter country code	D	ShipToPartyCountryCode	
22	Ship-to party contact phone	D	ShipToPartyContactPhone	
23	Ship-to party contact fax	D	ShipToPartyContactFax	
24	Ship-to party contact email	D	ShipToPartyContactEmail	
25	Ship-to party contact name	D	ShipToPartyContactName	
26	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	
27	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	
28	Bill-to party address line 2	D	BillToPartyAddress2	
29	Bill-to party address line 3	D	BillToPartyAddress3	
30	Bill-to party address line 4	D	BillToPartyAddress4	
31	Bill-to party address line 5	D	BillToPartyAddress5	
32	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	
33	Trade bill -to party identifier	D	TradeBillToPartyIDValue	
34	Ship from location ID type. Permitted values: *06* EAN-UCC GLN *07* SAN	D	ShipFromLocationIDType	
35	Ship from location identifier	D	ShipFromLocationIDValue	
36	Requested delivery time. Permitted values: *01* Next day	D	DeliveryTimeCode	
37	Supplier-assigned delivery service code or name. Either this parameter or the following carrier parameters may be included but not both.	D	VendorDeliveryService	
38	Carrier name	D	CarrierName	
39	Carrier-assigned delivery service code or name	D	CarrierDeliveryService	
40	Shipping instructions. Permitted values: *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	
41	Shipping charge amount excluding tax, if any	D	ShippingChargeAmount	
42	Shipping charge tax type. Mandatory if there is a shipping charge. Permitted values: *01* VAT	D	ShippingChargeTaxType	
43	Shipping charge tax rate	D	ShippingChargeTaxRate	
44	Shipping charge tax rate percentage	D	ShppingChargeTaxRatePercentage	
45	Shipping charge taxable amount of unit price (for mixed rate items only)	D	ShippingChargeAmountTaxable	

46	Shipping charge tax amount – mandatory if there is a shipping charge	D	ShippingChargeTaxAmount	

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

	Parameter description		Name	
47	EAN-13 product number (either parameter 47 or both parameters 48 and 49 must be included if parameter 10 is included)	D	EAN13	
48	A code value from a BIC-controlled codelist for the type of an alternative identifier of the product (see ONIX codelist 5).	D	ProductIDType	
49	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	
50	Language in which the requester would prefer free-text descriptions to be expressed – use ONIX code list 74.	D	DescriptionLanguageCode	

Example of a Request using the HTTPS protocol and the GET method:

https://www.booksupplier.co.uk/OrderShippingDetailsChangeService?AccountIDType=01&AccountIDValue=XYZ
&IssueDateTime=20191120T152500&OrderReferenceNumber=1012345
&OrderLineReferenceNumber=2&ShipToPartyName=A%20N%20Consumer
&ShipToPartyAddress1=1%20New%20Road&ShipToPartyAddress2=Newtown
&ShipToPartyPostalCode=AA99%209BB&ProductIDType=03&ProductIDValue=9780123456789

Requests using the SOAP or basic HTTPS protocol and the 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 shipping details change request Version 2.0	**<OrderShippingDetailsChangeRequest version="2.0">** **{ "OrderShippingDetailsChangeRequest": { "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. A code value from a BIC-controlled codelist for the scheme used for the account identifier (see ONIX codelist 44). 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	
4	Identification number / string of this request	D	RequestNumber	
5	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	
6	Supplier to whom this request should be forwarded, if it is not addressed to the *BIC Realtime* web service host and if the entire request is to be forwarded to a single supplier (use only for requests sent to aggregation services). Supplier ID type - see ONIX codelist 92 ID type name, only if ID type = proprietary Identifier	D M D M	SupplierIdentifier. SupplierIDType IDTypeName IDValue	
7	Language in which the requester would prefer free-text descriptions to be expressed – use ONIX code list 74.	D	DescriptionLanguageCode	

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[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.

Request order detail

	Order detail. Mandatory, and repeatable when changing shipping details for (items on) multiple orders.	M	OrderDetail.	R
1	Order references. Must contain a reference number or a reference date or both for a single order.	M	ReferenceCoded.	R
	Reference type 11 Buyer's order reference 18 End-customer's order reference 23 Supplier's order reference 25 CDF invoice reference	M	ReferenceTypeCode	
	Reference number or string	D	ReferenceNumber	
	Reference date or date and time. See Header line 5 for format options.	D	ReferenceDateTime	
2	Supplier to whom this order detail should be forwarded, if it is not addressed to the *BIC Realtime* web service host (use only for requests sent to aggregation services).	D	SupplierIdentifier.	
	Supplier ID type - see ONIX codelist 92	M	SupplierIDType	
	ID type name, only if ID type = proprietary	D	IDTypeName	
	Identifier	M	IDValue	
3	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	
4	Deliver to consumer party – must include an identifier, a name or both. Included at the order detail level if shipping detail changes apply to the whole order.	D	ShipToParty.	
	Party identifier	D	PartyIdentifier	
	Party ID type *01* Proprietary *06* EAN-UCC GLN *07* SAN	M	PartyIDType	
	Identifier string	M	IDValue	
	Party name	D	PartyName	
	Postal address	D	PostalAddress.	
	Address line	M	AddressLine	R
	Postal or zip code	D	PostalCode	
	Country – ISO two-letter country code	D	CountryCode	
	Communication details	D	CommunicationDetails.	R
	Communication type *01* 'Landline' phone *02* Mobile phone *03* Fax *04* Email *05* Web *06* Phone (unspecified)	M	CommunicationTypeCode	
	Communication locator string	M	CommunicationLocator	
	Contact details	D	ContactPerson	R
	Contact person's name	M	PersonName	
5	Consumer invoice to party (if not deliver to party) – same structure as ShipToParty.	D	BillToParty.	
6	Trade invoice to party (if not requester). Same structure as ShipToParty, except it is mandatory to include a party identifier.	D	TradeBillToParty	

Request order detail *(continued)*

	Order detail	M	OrderDetail.	
7	Ship from location	D	ShipFrom.	
	Location – must include at least one identifier, a name, or both	M	Location.	
	Location identifier	D	LocationIdentifier	R
	Location ID type	M	LocationIDType	
	01 Proprietary			
	06 EAN-UCC GLN			
	07 SAN			
	Proprietary location ID type name	D	IDTypeName	
	Location ID value	M	IDValue	
	Location name	D	LocationName	
8	Time and means of delivery	D	Delivery.	
	Requested delivery time	D	DeliveryTimeCode	
	01 Next day (other codes to be added)			
	Use supplier's delivery service – code or name assigned by supplier	D	VendorDeliveryService	
	Use specified carrier	D	Carrier.	
	Coded carrier name	D	CarrierNameCoded	
	Coding scheme type:	M	CarrierNameCodeType	
	01 BIC scheme			
	02 Supplier's scheme			
	03 Buyer's scheme			
	Carrier name code	M	CarrierNameCode	
	Name of carrier	M	CarrierName	
	Carrier's delivery service code / name	D	CarrierService	
	Free text delivery instruction	D	DeliveryNotes	
9	Shipping instructions.	D	ShippingInstructionsCode	
	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.			
10	Per-order shipping charge	D	ShippingCharge.	
	Shipping charge amount excluding tax if any	M	MonetaryAmount	
	Shipping charge tax	D	Tax.	R
	Tax type – use ONIX code list 171. If omitted, a tax type name must be included.	M	TaxTypeCode	
	Tax type name	D	TaxTypeName	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	TaxRatePercent	
	Taxable amount of unit price (for mixed-rate items only)	D	AmountTaxable	
	Tax amount		TaxAmount	
11	Detail of specific order lines to which shipping detail changes apply. Mandatory unless the request applies to the whole order. See below.	D	ItemDetail	R

Request item detail

	Item detail. Mandatory if the scope of the request order detail is an item list. Must not be included if the scope of the request order detail is the whole order.	**D**	**OrderDetail.ItemDetail.**	**R**
1	Request line number	M	LineNumber	
2	EAN-13 product number (either this element or element 3 must be included)	D	EAN13	
3	Alternative product identifier	D	ProductIdentifier.	R
	Product ID type – use ONIX Code List 5	M	ProductIDType	
	ID type name, only if ID type = '01' (proprietary)	D	IDTypeName	
	Product number	M	IDValue	
4	Order line references If included, must contain a reference number or a reference date/time or both.	D	ReferenceCoded	R

	Reference type
	    12 Buyer's unique order line reference
	    18 End customer order reference
	    25 CDF invoice reference
	    26 CDF invoice line reference
		M	ReferenceTypeCode	

	Reference number / string	D	ReferenceNumber	
	Reference date or date and time. See Header line 6 for format options.	D	ReferenceDateTime	
5	Deliver to consumer party – must include an identifier, a name or both. Included at the item detail level if shipping detail changes apply to specific order lines and not others on the same order.	D	ShipToParty.	
	Party identifier	D	PartyIdentifier	

	Party ID type
	    01 Proprietary
	    06 EAN-UCC GLN
	    07 SAN
		M	PartyIDType	

	Identifier string	M	IDValue	
	Party name	D	PartyName	
	Postal address	D	PostalAddress.	
	Address line	M	AddressLine	R
	Postal or zip code	D	PostalCode	
	Country – ISO two-letter country code	D	CountryCode	
	Communication details	D	CommunicationDetails.	R

	Communication type
	    01 'Landline' phone
	    02 Mobile phone
	    03 Fax
	    04 Email
	    05 Web
	    06 Phone (unspecified)
		M	CommunicationTypeCode	

	Communication locator string	M	CommunicationLocator	
	Contact details	D	ContactPerson	R
	Contact person's name	M	PersonName	
6	Per-item shipping charge	D	ShippingCharge.	R
	Shipping charge amount excluding tax if any	M	MonetaryAmount	
	Shipping charge tax	D	Tax.	R
	Tax type – use ONIX code list 171. If omitted, a tax type name must be included.	M	TaxTypeCode	
	Tax type name	D	TaxTypeName	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	TaxRatePercent	
	Taxable amount of unit price (for mixed-rate items only)	D	AmountTaxable	
	Tax amount		TaxAmount	

Example of a Shipping Details Change Request XML payload using either the SOAP or the HTTPS protocol and the POST method to change the ship-to address in CDF supply:

```xml
<OrderShippingDetailsChangeRequest version="2.0"
 xmlns="http://www.bic.org.uk/webservices/orderShippingDetailsChange">
  <ClientID>12345</ClientID>
  <ClientPassword>x9a44Ysj</ClientPassword>
  <AccountIdentifier>
    <AccountIDType>01</AccountIDType>
    <IDValue>12345</IDValue>
  </AccountIdentifier>
  <RequestNumber>001</RequestNumber>
  <IssueDateTime>20190422T1525</IssueDateTime>
  <OrderDetail>
    <ReferenceCoded>
      <ReferenceTypeCode>11</ReferenceTypeCode>
      <ReferenceNumber>O1020304</ReferenceNumber>
    </ReferenceCoded>
    <FillTermsCode>02</FillTermsCode>
    <ItemDetail>
      <LineNumber>1</LineNumber>
      <ProductIdentifier>
        <ProductIDType>03</ProductIDType>
        <IDValue>9780123456789</IDValue>
      </ProductIdentifier>
      <ReferenceCoded>
        <ReferenceTypeCode>12</ReferenceTypeCode>
        <ReferenceNumber>5</ReferenceNumber>
      </ReferenceCoded>
      <ShipToParty>
      </ShipToParty>
        <PartyName>A N Consumer</PartyName>
        <PartyAddress>
          <AddressLine>1 New Road</AddressLine>
          <AddressLine>Newtown</AddressLine>
          <PostalCode>AA99 9BB</PostalCode>
        </PartyAddress>
    </ItemDetail>
  </OrderDetail>
</OrderShippingDetailsChangeRequest>
```

Example of a Shipping Details Change Request JSON payload using the HTTPS protocol and the POST method to change the ship-to address in CDF supply:

```
{
    "OrderShippingDetailsChangeRequest": {
        "version": "2.0",
        "xmlns":
"http://www.bic.org.uk/webservices/orderShippingDetailsChange",
        "ClientID": 12345,
        "ClientPassword": "x9a44Ysj",
        "AccountIdentifier": {
            "AccountIDType": "01",
            "IDValue": "12345"
        },
        "RequestNumber": "001",
        "IssueDateTime": "20190422T1525",
        "OrderDetail": [
            {
                "ReferenceCoded": [
                    {
                        "ReferenceTypeCode": "11",
                        "ReferenceNumber": "O1020304"
                    }
                ],
                "FillTermsCode": "02",
                "ItemDetail": [
                    {
                        "LineNumber": 1,
                        "ProductIdentifier": [
                            {
                                "ProductIDType": "03",
                                "IDValue": "9780123456789"
                            }
                        ],
                        "ReferenceCoded": [
                            {
                                "ReferenceTypeCode": "12",
                                "ReferenceNumber": 5
                            }
                        ],
                        "ShipToParty": "",
                        "PartyName": "A N Consumer",
                        "PartyAddress": {
                            "AddressLine": [
                                "1 New Road",
                                "Newtown"
                            ],
                            "PostalCode": "AA99 9BB"
                        }
                    }
                ]
            }
        ]
    }
}
```

ORDER SHIPPING DETAILS CHANGE – 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 shipping details change response Version 2.0	**<OrderShippingDetailsChangeResponse version="2.0">** **{** **"OrderShippingDetailsChangeResponse":** **{** **"version": ...**	

Header

	Response payload header	M	Header.	[6]
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 (*BIC Realtime* web service host)	M	SenderIdentifier.	
	Sender ID type - see ONIX codelist 92	M	SenderIDType	
	ID type name, only if ID type = proprietary	D	IDTypeName	
	Identifier	M	IDValue	
3	Identification number / string of this response	D	ResponseNumber	
4	Account identifier.	D	AccountIdentifier.	
	A code value from a BIC-controlled codelist for the scheme used for the account identifier (see ONIX codelist 44). Must be specified if an account identifier is specified. Permitted schemes are: *01* Proprietary *06* EAN-UCC GLN *07* SAN *11* PubEasy PIN	M	AccountIDType	
	Account identifier for this request, using the specified scheme	M	IDValue	
5	References: request number and/or date/time of request must be quoted if included in the request.	D	ReferenceCoded	
	Reference type *01* Number or date/time of associated request	M	ReferenceTypeCode	
	Reference number / string	M	ReferenceNumber	
	Reference date or date and time. Mandatory if an IssueDateTime is included in the request. See Header line 1 for format options.	D	ReferenceDateTime	
6	Supplier identifier (only included if specified in the request header; mandatory if the response type code is '19' or '20')	D	SupplierIdentifier.	
	Supplier ID type - see ONIX codelist 92	M	SupplierIDType	
	ID type name, only if ID type = proprietary	D	IDTypeName	
	Identifier	M	IDValue	

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[6] An 'R' in the right-most column means that the element is repeatable.

Response header *(continued)*

	Payload header	M	Header.	
7	Response code, if there are exception conditions.	D	ResponseCoded.	R
	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 *16* Invalid or unknown account, supplier or ship-to party identifier *19* Server unable to process request – unable to contact supplier *20* Request acknowledged – awaiting response from supplier	M	ResponseType	
	Free text description / reason for response	D	ResponseTypeDescription	
	Language of description. Mandatory if included in the request. See request payload line 8.	D	DescriptionLanguageCode	

Order detail

	Responses for each order in the request. Mandatory unless the response type code at the header level indicates exception conditions.	D	**OrderDetail.**	R
1	References: the order number must be quoted.	M	ReferenceCoded	R
	Reference type 11 Buyer's order reference 18 End-customer's order reference 23 Supplier's order reference 25 CDF invoice reference	M	ReferenceTypeCode	
	Reference number / string	D	ReferenceNumber	
	Reference date or date and time. Mandatory if an IssueDateTime is included in the request. See Report Header line 1 for format options.	D	ReferenceDateTime	
2	Response code, if there are exception conditions, in which case this composite terminates the response.	D	ResponseCoded.	R
	Response type code. Suggested code values: *03* Server unable to process request *11* Invalid order reference *14* Cannot change order – order shipped or in progress *15* Cannot change order – order previously cancelled *19* Server unable to process request – unable to contact supplier *20* Request acknowledged – awaiting response from supplier *24* Request does not reference a unique order	M	ResponseType	
	Free text description	D	ResponseTypeDescription	
	Language of description. Mandatory if included in the request. See request payload line 8.	D	DescriptionLanguageCode	
	Supplier identifier (only included if specified in the corresponding order detail line in the request; mandatory if the response type code is '19' or '20').	D	SupplierIdentifier.	
	Supplier ID type - see ONIX codelist 92	M	SupplierIDType	
	ID type name, only if ID type = proprietary	D	IDTypeName	
	Identifier	M	IDValue	

Order detail *(continued)*

	Responses for each order in the request. Mandatory unless the response type code at the header level indicates exception conditions.	**D**	**OrderDetail.**	
3	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	D	ShippingFrom.	
	Location – must include at least one identifier, a name, or both	M	Location.	
	Location identifier	D	LocationIdentifier	R
	Location ID type *01* Proprietary *06* EAN-UCC GLN *07* SAN	M	LocationIDType	
	Proprietary location ID type name	D	IDTypeName	
	Location ID value	M	IDValue	
	Location name	D	LocationName	
4	Per-order shipping charge, if not (the same as) included in the CDF order request	D	ShippingCharge.	
	Shipping charge amount excluding tax if any	M	MonetaryAmount	
	Shipping charge tax	D	Tax.	R
	Tax type – use ONIX code list 171. If omitted, a tax type name must be included.	M	TaxTypeCode	
	Tax type name	D	TaxTypeName	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	Percent	
	Taxable amount of unit price (for mixed-rate items only)	D	AmountTaxable	
	Tax amount		TaxAmount	
5	Item details – details of all order lines for which the shipping details are being changed. If all order lines are affected by the change, all order lines must be included. For details see below.	M	ItemDetail	R

Item detail

	Details of all order lines for which the shipping details are to be changed. Mandatory unless the header reports a condition that prevents any response	**M**	**OrderDetail.ItemDetail.**	**R**
1	Item line number in this response	D	LineNumber	
2	EAN-13 product number (mandatory unless trading partners have agreed to use an alternative product identifier)	D	EAN13	
3	Alternative product identifier.	D	ProductIdentifier.	R
	Product ID type – use ONIX Code List 5	M	ProductIDType	
	ID type name, only if ID type = '01' (proprietary)	D	IDTypeName	
	Product number	M	IDValue	
4	Order line references If included, must contain a reference number or a reference date/time or both.	D	ReferenceCoded	R
	Reference type *12* Buyer's unique order line reference *18* End customer order reference *25* CDF invoice reference *26* CDF invoice line reference	M	ReferenceTypeCode	
	Reference number / string	D	ReferenceNumber	
	Reference date or date and time. See Header line 6 for format options.	D	ReferenceDateTime	

Item detail *(continued)*

	Details of all order lines for which the shipping details are to be changed. Mandatory unless the header reports a condition that prevents any response	**M**	**OrderDetail.ItemDetail.**	**R**
5	Response code	M	ResponseCoded	R
	Response type code. Suggested code values: *06* Invalid or unknown product ID *11* Invalid or unknown document reference *12* Invalid order line reference *14* Cannot change shipping details – line already shipped or in progress *15* Cannot change shipping details – line previously cancelled *21* Order line updated	M	ResponseType	
	Free text description	D	ResponseTypeDescription	
	Language of description. Mandatory if included in the request. See request payload line 8.	D	DescriptionLanguageCode	
6	Shipping detail. (if not the default location set at header or order level)	D	ShippingFrom.	
	Location – must include at least one identifier, a name, or both	M	Location.	
	Location identifier	D	LocationIdentifier	R

	Location ID type
	    01 Proprietary
	    06 EAN-UCC GLN
	    07 SAN
		M	LocationIDType	

	Proprietary location ID type name	D	IDTypeName	
	Location ID value	M	IDValue	
	Location name	D	LocationName	
7	Item shipping charge, if not (the same as) included in the CDF order request	D	ShippingCharge.	
	Shipping charge amount excluding tax if any	M	MonetaryAmount	
	Shipping charge tax	D	Tax.	R
	Tax type – use ONIX code list 171. If omitted, a tax type name must be included.	M	TaxTypeCode	
	Tax type name	D	TaxTypeName	
	Tax rate code	D	TaxRateCode	
	Tax rate percent	D	Percent	
	Taxable amount of unit price (for mixed-rate items only)	D	AmountTaxable	
	Tax amount		TaxAmount	

Example of a Retrieve Orders awaiting Order Shipping Details Change Response XML payload using either the SOAP or the HTTPS protocol and the POST method:

```
<OrderShippingDetailsChangeResponse version="2.0"
 xmlns="http://www.bic.org.uk/webservices/orderShippingDetailsChange">
  <Header>
    <IssueDateTime>20190422T1527</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>20190422T1525</ReferenceDateTime>
    </ReferenceCoded>
  </Header>
  <OrderDetail>
    <ReferenceCoded>
      <ReferenceTypeCode>11</ReferenceTypeCode>
      <ReferenceNumber>O1020304</ReferenceNumber>
    </ReferenceCoded>
    <ItemDetail>
      <ProductIdentifier>
        <ProductIDType>03</ProductIDType>
        <IDValue>9780123456789</IDValue>
      </ProductIdentifier>
      <ReferenceCoded>
        <ReferenceTypeCode>12</ReferenceTypeCode>
        <ReferenceNumber>5</ReferenceNumber>
      </ReferenceCoded>
      <ResponseCoded>
        <ResponseType>21</ResponseType>
      </ResponseCoded>
    </ItemDetail>
  </OrderDetail>
</OrderShippingDetailsChangeResponse>
```

Example of a Retrieve Orders awaiting Order Shipping Details Change Response JSON payload using the HTTPS protocol and the POST method:

```
{
    "OrderShippingDetailsChangeResponse": {
        "version": "2.0",
        "xmlns": "http://www.bic.org.uk/webservices/orderShippingDetailsChange",
        "Header": {
            "IssueDateTime": "20190422T1527",
            "SenderIdentifier": {
                "SenderIDType": "01",
                "IDValue": "XYZ"
            },
            "AccountIdentifier": {
                "AccountIDType": "01",
                "IDValue": "12345"
            },
            "ReferenceCoded": {
                "ReferenceTypeCode": "01",
                "ReferenceNumber": "001",
                "ReferenceDateTime": "20190422T1525"
            }
        },
        "OrderDetail": [
            {
                "ReferenceCoded": [
                    {
                        "ReferenceTypeCode": "11",
                        "ReferenceNumber": "O1020304"
                    }
                ],
                "ItemDetail": [
                    {
                        "ProductIdentifier": [
                            {
                                "ProductIDType": "03",
                                "IDValue": "9780123456789"
                            }
                        ],
                        "ReferenceCoded": [
                            {
                                "ReferenceTypeCode": "12",
                                "ReferenceNumber": 5
                            }
                        ],
                        "ResponseCoded": [ {"ResponseType": "21"} ]
                    }
                ]
            }
        ]
    }
}
```