



Book Industry Communication

BIC Realtime

Standards for Instant Business Message Exchange

Backorder Release Request and Response

Version 1.0, 8 February 2016

This document: <http://www.bic.org.uk/files/pdfs/BICWSBackorderRelease-V1.0.pdf>
XML schema: <http://www.bic.org.uk/files/xml/BICWSBackorderRelease-V1.0.xsd>
WSDL file: <http://www.bic.org.uk/files/xml/BICWSBackorderReleaseSOAP-V1.0.wsdl>
XML namespace: <http://www.bic.org.uk/webservices/backorderRelease>
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This document specifies in human-readable form the *BIC Realtime* web services Backorder Release Request and Response formats.

Two separate formats are specified for Requests:

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

The first of these formats has more restricted application than the second, in that, using the HTTP GET method, it is only possible to cancel a whole order or a single item from a single order, whereas using the HTTP POST method it is possible to include a list of items from multiple orders

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

The complete specification of the *BIC Realtime* Backorder Release 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.

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

Business requirements

The use of *BIC Realtime* web services for ordering is expected to encourage small order sizes down to individual items, as a result of which there will be many more transactions for both buyers and suppliers to keep track of. This will make it more difficult for both parties to have a clear picture of what is on order, and especially what items are on backorder files.

This *BIC Realtime* web service and the related *BIC Realtime* Backorder Summary Request and Response web service are designed to assist buyers in requesting release of backorder file items that are being accumulated by the supplier (possibly intermediated by an agent or aggregation service).

BACKORDER RELEASE 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.

	Parameter description	M ²	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	A code value from a BIC-controlled codelist for the scheme used for the account identifier (see ONIX codelist 44). Mandatory if including an account identifier. Permitted values are: 01 Proprietary 06 EAN-UCC GLN 07 SAN 11 PubEasy PIN	D	AccountIDType	
4	Account identifier for this request, using the specified scheme	D	AccountIDValue	
5	Identification number of this request	D	RequestNumber	
6	A date/time reference for this request	D	IssueDateTime	
7	If and only if this parameter is supported by the <i>BIC Realtime</i> web service implementation, a third party supplier may be specified where the web service host is not the intended supplier, in which case this parameter and the next must be included. This parameter contains a code value from a BIC-controlled codelist for the type of identifier of the supplier - see ONIX codelist 92	D	SupplierIDType	
8	A unique supplier identifier of the specified type	D	SupplierIDValue	

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

<http://www.booksupplier.co.uk/BackorderReleaseRequestService?ClientID=12345&ClientPassword=x9a44Ysj>

² In the column headed "M", "M" means mandatory, and "D" means dependent.

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

	Backorder release request Version 1.0		<BackorderReleaseRequest version="1.0">	
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 (see ONIX codelist 44). 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	AccountIdentifier.	
		M	AccountIDType	
		M	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 backorder summary request should be forwarded, if it is not addressed to the <i>B/C Realtime</i> web service host (use only for requests sent to aggregators, and only at the header level if the order cancellation request relates to a single supplier). Supplier ID type - see ONIX codelist 92 ID type name, only if ID type = proprietary Identifier	D	SupplierIdentifier.	
		M	SupplierIDType	
		D	IDTypeName	
		M	IDValue	

Example of a Backorder Release Request XML payload using either the SOAP or the HTTP protocol and the HTTP POST method:

```
<BackorderReleaseRequest version="1.0"
  xmlns="http://www.bic.org.uk/webservices/backorderRelease">
  <ClientID>12345</ClientID>
  <ClientPassword>x9a44Ysj</ClientPassword>
  <AccountIdentifier>
    <AccountIDType>01</AccountIDType>
    <IDValue>12345</IDValue>
  </AccountIdentifier>
  <RequestNumber>001</RequestNumber>
  <IssueDateTime>20151127T1525</IssueDateTime>
</BackorderReleaseRequest>
```

BACKORDER RELEASE 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

	Backorder release response Version 1.0		<BackorderReleaseResponse version="1.0">	
1	Document date/time: the date/time when the response 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 M	SenderIdentifier. SenderIDType IDTypeName IDValue	
3	Identification number / string of this response	D	ResponseNumber	
4	Account identifier, required if included in the request 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 Account identifier for this request, using the specified scheme	D M M	AccountIdentifier. AccountIDType IDValue	
5	References: request number and/or date/time of request must be quoted if included in the request. Buyer's order number must be quoted if quoted in the request header, i.e. the request relates to a single order. Reference type 01 Number or date/time of associated backorder release request Reference number / string Reference date or date and time	D M M D	ReferenceCoded ReferenceTypeCode ReferenceNumber ReferenceDateTime	

Response header (continued)

	Response payload header	M	Header.	
6	<p>Response code, if there are exception conditions that affect the response as a whole, or if the request was to cancel an entire order.</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 11 Invalid or unknown buyer's order number 16 Invalid or unknown account or supplier identifier 19 Server unable to process request – unable to contact supplier 22 No backordered items ready to release</p> <p>Free text description / reason for response</p> <p>Supplier identifier (only included if specified in the request header; mandatory if the response type code is '19' or '20').</p> <p>Supplier ID type - see ONIX codelist 92 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
7	<p>Total quantity released for shipping – integer. Mandatory unless there is an exception condition resulting in inclusion of a response code.</p>	D	UnitsShipping	

Example of a Backorder Summary Response XML payload using either the SOAP or the HTTP protocol and the HTTP POST method:

```
<BackorderSummaryResponse version="1.0"
  xmlns="http://www.bic.org.uk/webservices/backorderRelease">
  <IssueDateTime>20151127T1527</IssueDateTime>
  <SenderIdentifier>
    <SenderIDType>01</SenderIDType>
    <IDValue>XYZ</IDValue>
  </SenderIdentifier>
  <AccountIdentifier>
    <AccountIDType>01</AccountIDType>
    <IDValue>12345</IDValue>
  </AccountIdentifier>
  <UnitsShipping>5</UnitsShipping>
</BackorderSummaryResponse>
```