CHANNEL BASICS PART 3

ORDER DATA VIA TB.ORDER

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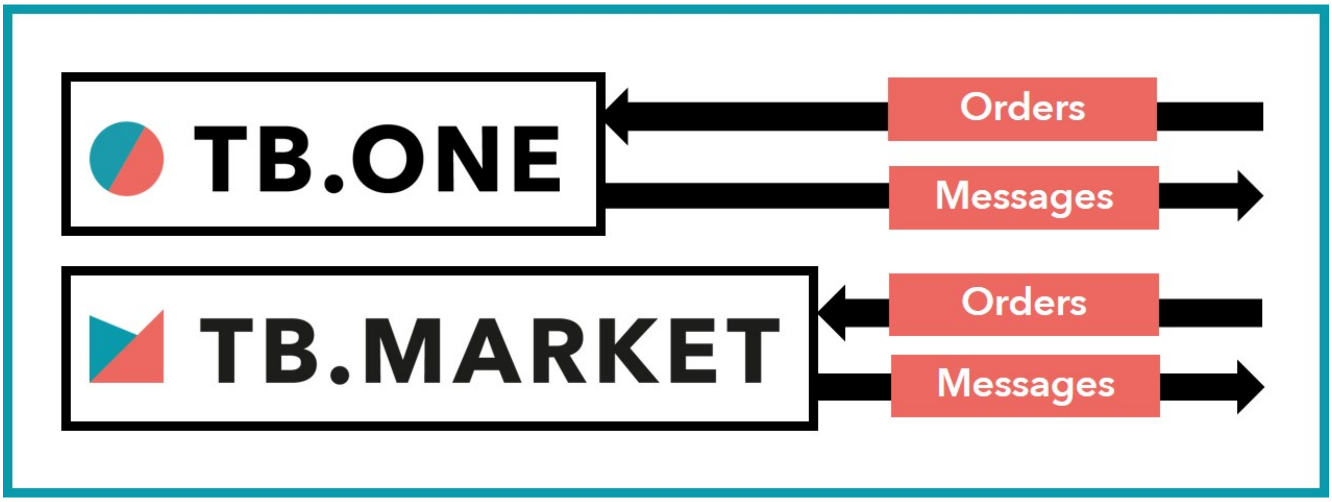
1. DOCUMENT PURPOSE

This document is intended for operators of webshops, and describes the import of order data from the channel to TB.One or TB.Market.



The documentation for the connection of channels includes the following parts:

- Part 1: Definitions and Process Overview
  This document defines the terminology used at Tradebyte and in TB.One.
- Part 2: Product Data Exchange via TB.Cat
  Naming conventions and field descriptions for XML files in the Tradebyte standard "TB.Cat".
- **Part 3: Order Data Exchange via TB.Order**
  Naming conventions for XML files in Tradebyte standard "TB.Order", field descriptions of the TB.Order and a guideline for message transfer (delivery, returns, cancellations).

2. DATA EXCHANGE WITH TB.ONE

The order data exchange between TB.One/TB.Market and the channel takes place by means of an XML file that is transmitted via the REST interface. The standard provided by Tradebyte is the TB.ORDER. Please agree with your Tradebyte contact upon the data exchange. Here you will also receive your login details.

Please note that extensions of the interface are reserved. We are committed to providing you and our TB.One partners the greatest scope, therefore, enhancement of the interface may be necessary. Higher releases are normally compatible to former releases.

2.1 ORDER DATA

The order data is exchanged in the format TB.Order.xml using the REST API. The order files that you send to TB.One must be validated against the current scheme prior to transfer. The currently valid schema file is stored at:

```
https://api.core.tradebyte.com/schema/all_in_one/tb-order_all_in_one.xsd
```

Every order must be transmitted separately. Basically, a REST call always causes a return message via XML (response body). You either get the requested result or a status message, which is complemented by a status code in the HTTP-header to indicate the successful or unsuccessful processing.

In addition to the relevant content you have to consider the reported http status code (header):

- 200 (all codes beginning with 2xx): call/processing successful.
- 400 (all codes starting with 4xx): call not successful or request incorrect.
- 500 (all codes starting with 5xx): processing error

Successful example message:

Response Header:

```
Status Code: 200 OK
```

The response body includes the internal Tradebyte order number (<TB_ID>). This is to be used for further communication.

```
<ORDER_RESPONSE>
      <TB_ID>3</TB_ID>                   <!-- Order-ID allocated by TB.One -->
      <CHANNEL_ID>6862327</CHANNEL_ID> <!-- Unique channel order number if provided -->
      <ITEM_COUNT>1</ITEM_COUNT>         <!-- Number of provided order items -->
      <TOTAL_ITEM_AMOUNT>34.95</TOTAL_ITEM_AMOUNT>  <!-- Order value -->
</ORDER_RESPONSE>
```

Example error message:

Response Header:

```
Status Code: 400 Bad Request
```

The response body includes a more detailed description of the error:

```
<?xml version="1.0" encoding="UTF-8"?>
<tradebyte>
     <state>ORDER_DATA->ITEM_COUNT(3) differs from number of <ITEM> tags(2)</state>
</tradebyte>
```

2.2 MESSAGES

Message files that you receive from TB.One (dispatch advices, return or cancellation messages) are validated against the currently valid scheme file. The currently valid schema file is stored at:

```
https://api.core.tradebyte.com/schema/all_in_one/tb-order-desadv_all_in_one.xsd
```

The order messages can also be retrieved via the REST API. Here you will get all outstanding messages to all orders in standard XML format (<MESSAGE_LIST>). After successful processing, each message must be flagged per REST as "processed". This ensures that processed messages will not be retrieved again in the next polling.

2.3 CALLING THE REST-INTERFACE

The REST interface allows you to send orders to and to request dispatch advices and cancellation messages concerning these orders from TB.One. Basic structure of a REST-URI:

```
https://rest.core.tradebyte.com/ACCOUNT-NR/TARGET/?channel=CHANNEL_ID[&filter=criterion]
```

The call of the REST interface requires the authentication by user name and password.

MANDATORY FIELDS

FIELD	DESCRIPTION
USR/PWD	User name and password for REST-access
ACCOUNT-NR	Merchant number
TARGET	Specifies the resource group where the call aims to, in this case orders or messages.
CHANNEL_ID	Your channel ID is mandatory. You receive your channel ID from your Tradebyte contact.

ADDITIONAL FIELDS

FIELD	DESCRIPTION
TARGET_ID	ID of the resource, which has to be accessed or changed, i.e. a definite message.
ACTION	Command to change the resource addressed by the TARGET_ID. You need: "processed" as an indicator that the file was retrieved by the channel.

2.4 REST-CALLS

TRANSFER ORDER FILES TO TB.ONE

TB.One can process pending as well as confirmed orders. Pending orders are used if you, for example, offer the payment type "prepayment" in your webshop. In this case you may already inform the merchant about the goods to be sent with the reception of the customer order without being this a delivery prompt. After payment reception you set the order to "confirmed". At payment loss you may withdraw the pending order. Due to the fact that pending orders require a subsequent process, the use of those must be discussed with your Tradebyte contact person before.

Each order is to be passed in a separate message.

METHOD	POST	Creates in TB.ONE
TARGET	orders	an order
CONTENT	XML	in XML format (TB.ORDER)
EXAMPLE	`.../orders/?channel=CHID`	

A complete example of the XML file to be provided (according to the TB.Order scheme) can be found in the appendix in chap.5.1 35. The difference between a confirmed and a pending order is to be found in the node <ORDERDATA>:

- **Confirmed order with delivery prompt:**

```
<ORDER_DATA>
      <ORDER_DATE>2012-11-30</ORDER_DATE>
      <CHANNEL_SIGN>chxx</CHANNEL_SIGN>
      <CHANNEL_ID>303-6862327-6937118</CHANNEL_ID>
      <CHANNEL_NO>303-6862327-6937118</CHANNEL_NO>
      <APPROVED>1</APPROVED>
      <ITEM_COUNT>4</ITEM_COUNT>
      <TOTAL_ITEM_AMOUNT>59.8</TOTAL_ITEM_AMOUNT>
</ORDER_DATA>
```

- **Pending order with stock reservation, without delivery:**

```
<ORDER_DATA>
      <ORDER_DATE>2012-11-30</ORDER_DATE>
      <CHANNEL_SIGN>chxx</CHANNEL_SIGN>
      <CHANNEL_ID>303-6862327-6937118</CHANNEL_ID>
```

METHOD	POST	Creates in TB.ONE

	`<CHANNEL_NO>303-6862327-6937118</CHANNEL_NO>`
	`<APPROVED>0</APPROVED>`
	`<ITEM_COUNT>4</ITEM_COUNT>`
	`<TOTAL_ITEM_AMOUNT>59.8</TOTAL_ITEM_AMOUNT>`
	`</ORDER_DATA>`	

FEEDBACK	`<ORDER_RESPONSE>`
	`<TB_ID>3</TB_ID>`
	`<CHANNEL_ID>6862327</CHANNEL_ID>`
	`<ITEM_COUNT>1</ITEM_COUNT>`
	`<TOTAL_ITEM_AMOUNT>34.95</TOTAL_ITEM_AMOUNT>`
	`</ORDER_RESPONSE>`
	
	For control purposes, the return-XML includes your unique channel order number, the passed number of items in the order as well as the gross sales value excluding shipping and other costs. The unique order ID "TB_ID" is assigned to the order through TB.One and is used to reference the order in further communication.	

POSSIBLE ERRORS	`Provided XML does not validate against tbORDER schema` → Check scheme validity	

Confirmed orders don't require more actions until the merchant processed the order and sends a dispatch advice or a cancellation message. These must be retrieved from TB.One (see chap.2.4.2 [13]).

Pending orders must be confirmed or withdrawn by you.

METHODE	POST	Sets
TARGET	orders	the order
TARGET-ID	ORDER_ID	with the set order-ID
ACTION	approved	to the state "confirmed"
EXAMPLE	`.../orders/120/approved`	
FEEDBACK	`204 No Content (Regard status code, 2xx = successful)`	

METHODE	DELETE	"Deletes"
TARGET	orders	the order
TARGET-ID	ORDER_ID	with the set order-ID
EXAMPLE	`.../orders/120`	
FEEDBACK	`204 No Content (Regard status code, 2xx = successful)`	

Of course, a deleted order is not really deleted in TB.One but receives the entry "withdrawn" with date in the <HISTORY> node.

RETRIEVE MESSAGES FROM TB.ONE

After you have transferred the orders to TB.One, the merchant will process them accordingly and generate messages. This may be dispatch advices, returns or cancellation messages. The order messages are retrieved via the REST API. At a successful call you receive as feedback all open messages to all orders in XML standard format of Tradebyte. After the successful retrieval, each message must be set to "processed" per REST API.

METHOD	GET	Retrieves
TARGET	messages	a list of open messages of the defined channel
PARAMETER	message_type	of the defined message type [33]
EXAMPLE	`.../messages/?channel=CHID&message_type=SHIP`	
FEEDBACK	see below	

```
<MESSAGES_LIST>
      <MESSAGE>
            <MESSAGE_ID>120</MESSAGE_ID>
            <MESSAGE_TYPE>SHIP</MESSAGE_TYPE>
            ...
      </MESSAGE>
      <MESSAGE>
            <MESSAGE_ID>121</MESSAGE_ID>
            <MESSAGE_TYPE>SHIP</MESSAGE_TYPE>
            ...
      </MESSAGE>
</MESSAGES_LIST>
```

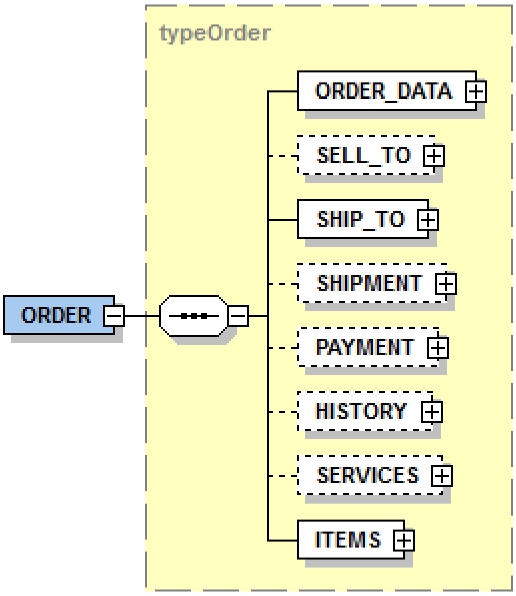
The MESSAGE_ID is assigned by TB.One and serves the further referencing of the message.

After you have retrieved the messages, **you have to set each message to "processed"** so that they will not be transferred again:

METHOD	POST	Sets
TARGET	messages	the message
TARGET-ID	MESSAGE_ID	with the defined message ID
ACTION	processed	to the status "processed" (= exported to the channel)
EXAMPLE	`.../messages/120/processed/?channel=CHID`	
FEEDBACK	`Empty (Note status code, 2xx = success)`	

3. ORDER DATA - FIELD DESCRIPTION

3.1 ORDER

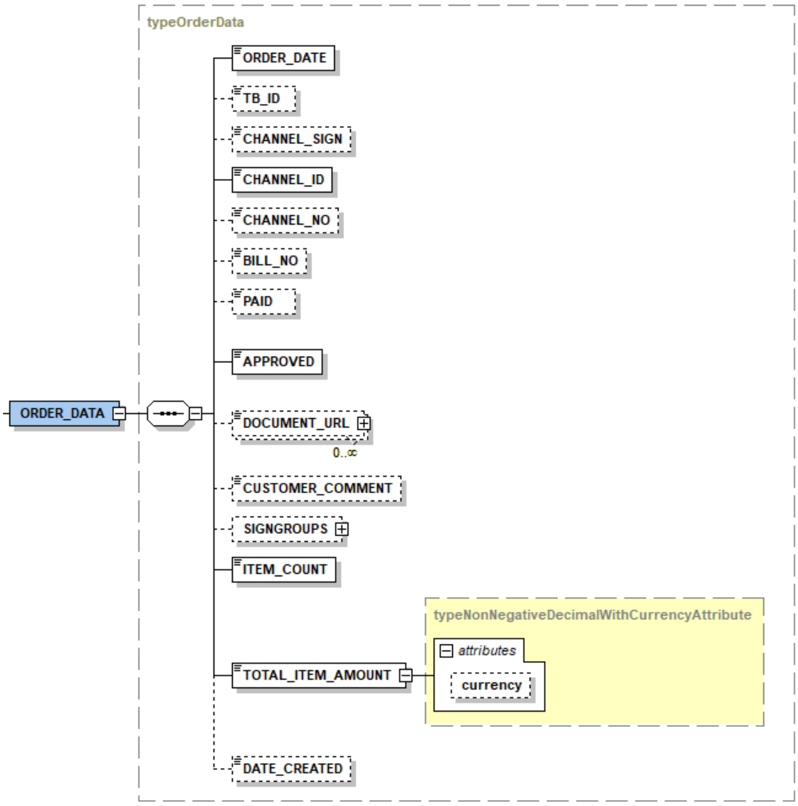


NODE	MUST	DATA TYPE	DESCRIPTION
ORDER	Y	typeOrder	Order
ORDER_DATA [17]	Y	typeOrderData	General order data
SELL_TO [20]	N	XML	Customer data invoice recipient
SHIP_TO [20]	Y	XML	Customer data consignee
SHIPMENT [23]	N	XML	Information about shipping
PAYMENT [24]	N	XML	Information on the payment type
HISTORY [26]	N	XML	Order history
SERVICES [26]	N	XML	Information on services
ITEMS [27]	Y	XML	Order items

Example-XML

```
<?xml version="1.0" encoding="UTF-8"?>
<ORDER>
      <ORDER_DATA />
      <SELL_TO />
      <SHIP_TO />
      <SHIPMENT />
      <PAYMENT />
      <HISTORY />
      <SERVICES />
      <ITEMS />
</ORDER>
```

3.2 ORDER / ORDER DATA



NODE	MUST	DATA TYPE	DESCRIPTION
ORDER_DATE	Y	DATE YYYY-MM-DD	Date of order at the channel
TB_ID	-	INT	TB.One internal order number to uniquely identify the order. The ID is assigned during import and returned in the status message of the REST call. The TB_ID may not be delivered in the order file.
CHANNEL_SIGN	Y	CHAR(12)	Channel sign (norm. 4-digit code)
CHANNEL_ID	Y	CHAR(50)	Unique order ID of the distribution channel
CHANNEL_NO	N	CHAR(50)	Order number of the distribution channel (not necessarily unique, e.g. web shop order number).
BILL_NO	--	CHAR(50)	Provided for future extensions

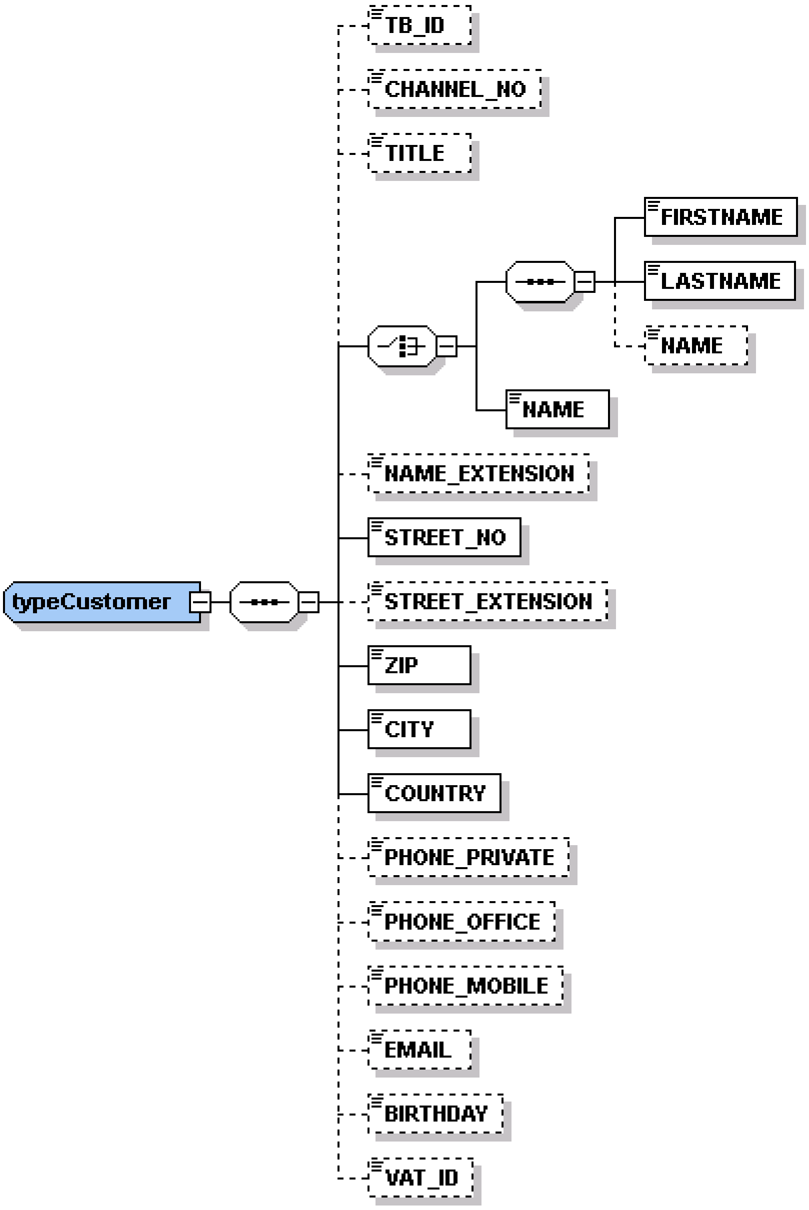
NODE	MUST	DATA TYPE	DESCRIPTION
PAID	--	INT(0/1/2)	Paid flag. Information is intended for administration by the merchant. Please do not provide this information.
APPROVED	Y	INT(0/1)	Indicator for the release of the order for processing by the merchant. Provide here always the value 1. The use of so-called "pending" orders (e.g. inventory reservation at prepayment) requires the definition of the following processes with your Tradebyte representative.
DOCUMENT_URL	--	XML	Currently used only for Tradebyte internal purposes
CUSTOMER_COMMENT	N	TEXT	Customers remark on the order. If this option is available in your shop, you could forward the customer comment to the merchant.
SIGNGROUPS	--	XML	Flag groups. This field is intended only for internal use by the merchant. Please do not provide this information.
ITEM_COUNT	Y	INT	Number of order items. Is checked against the items passed in the order. At deviations, the order will be rejected for security reasons.
TOTAL_ITEM_AMOUNT	Y	FLOAT	Gross total of the order items (not including shipping and other fees). Is checked against the single transferred values. At deviations, the order will be rejected for security reasons.
TOTAL_ITEM_AMOUNT[currency]	Y	STRING	Currency of the order items Is not always transmitted per default. Is checked against the single transferred values. At deviations, the order will be rejected for security reasons.
DATE_CREATED	--	DATE (UTC)	Time of import/processing date from TB.One. This information is created during the order creation. Please do not provide this information.

Example XML:


```
<ORDER_DATA>
      <ORDER_DATE>2012-11-30</ORDER_DATE>
      <CHANNEL_SIGN>chxx</CHANNEL_SIGN>
      <CHANNEL_ID>303-6862327-6937118</CHANNEL_ID>
      <CHANNEL_NO>303-6862327-6937118</CHANNEL_NO>
      <APPROVED>1</APPROVED>
      <ITEM_COUNT>4</ITEM_COUNT>
      <TOTAL_ITEM_AMOUNT>59.8</TOTAL_ITEM_AMOUNT>
</ORDER_DATA>
```

3.3 ORDER / SELL_TO AND SHIP_TO (TYPECUSTOMER)

While the billing address (SELL_TO) is optional, the address of the recipient is mandatory. It is then assumend that the billing address = shipping adress.



NODE	MUST	DATA TYPE	DESCRIPTION
TB_ID	--	INT	Tradebyte internal customer ID. Please don't provide any information here.
CHANNEL_NO	N	CHAR(50)	The customer number from the distribution channel

NODE	MUST	DATA TYPE	DESCRIPTION
TITLE	N	CHAR(20)	Title
FIRSTNAME	Y	CHAR(50)	The customer's first name
LASTNAME	Y	CHAR(50)	The customer's last name
NAME	N	CHAR(100)	If the name information cannot be provided separately as first and last name, you can alternatively use the composed name (separated by a space). TB.One tries to split the name.
NAME_EXTENSION	N	CHAR(100)	Suffix
STREET_NO	Y	CHAR(100)	Street and number
STREET_EXTENSION	N	CHAR(255)	Address supplement
ZIP	Y	CHAR(10)	Zip code
CITY	Y	CHAR(50)	City
COUNTRY	Y	CHAR(5)	Country code ALPHA 2 (e.g. "DE")
PHONE_PRIVATE	N	CHAR(50)	Home phone number
PHONE_OFFICE	N	CHAR(50)	Business phone number

NODE	MUST	DATA TYPE	DESCRIPTION
PHONE_MOBILE	N	CHAR(50)	Mobile number
EMAIL	N	CHAR(80)	E-mail
BIRTHDAY	N	DATE YYYY-MM-DD	The customer's date of birth
VAT_ID	N	CHAR(20)	Sales tax identification number

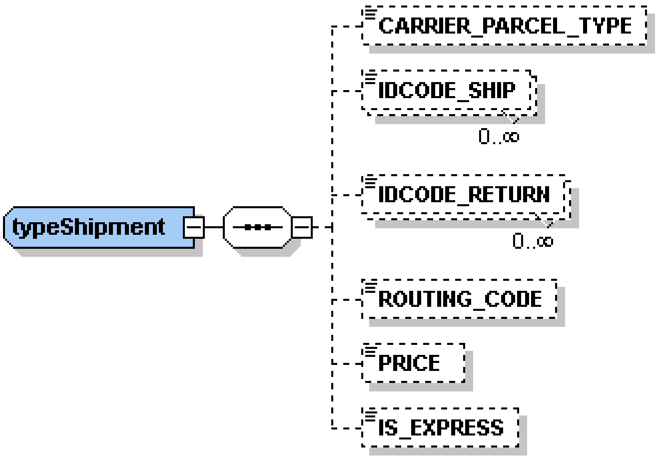
Example XML

```
<SELL_TO>
      <CHANNEL_NO>5607865</CHANNEL_NO>
      <FIRSTNAME>Max</FIRSTNAME>                  <!-- preferred name format -->
      <LASTNAME>Mustermann</LASTNAME>
      <STREET_NO>Teststraße 5</STREET_NO>
      <ZIP>12345</ZIP>
      <CITY>Teststadt</CITY>
      <COUNTRY>DE</COUNTRY>
      <PHONE_PRIVATE>123</PHONE_PRIVATE>
      <EMAIL>x@y.de</EMAIL>
</SELL_TO>
<SHIP_TO>
      <CHANNEL_NO>5607865</CHANNEL_NO>
      <NAME>Helga Mustermann</NAME>               <!-- alternative name format -->
      <NAME_EXTENSION>XY GmbH</NAME_EXTENSION>
      <STREET_NO>Industriestraße 5</STREET_NO>
      <ZIP>12345</ZIP>
      <CITY>Teststadt</CITY>
      <COUNTRY>DE</COUNTRY>
```

```
</SHIP_TO>
```

3.4 ORDER / SHIPMENT (TYPESHIPMENT)

Please ask your Tradebyte contact about possible uses.



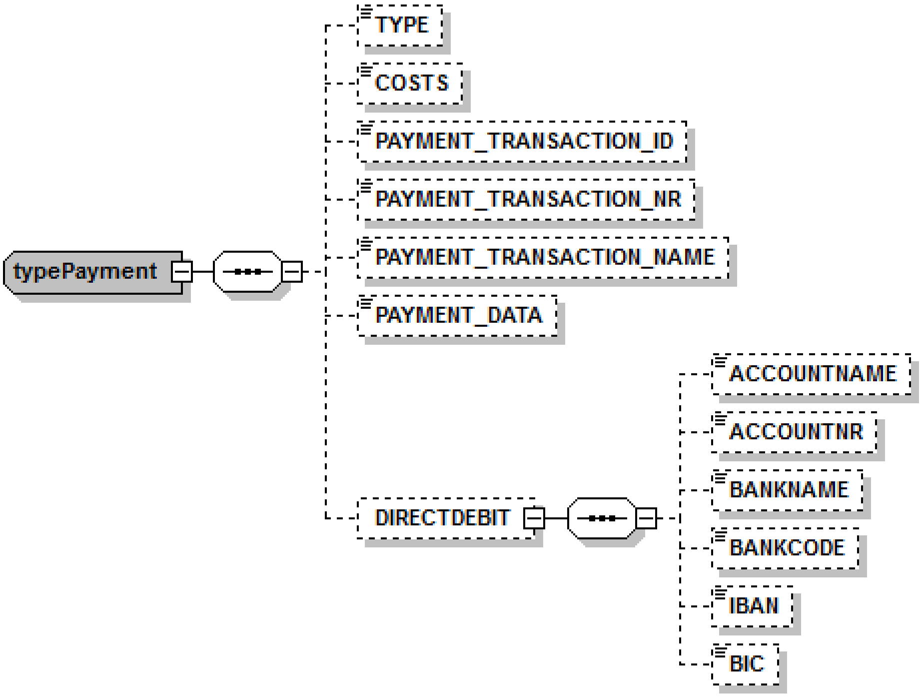
NODE	MUST	DATA TYPE	DESCRIPTION
IDCODE_SHIP	N	CHAR(30)	If you specify the ship codes to be used (e.g. DHL shipment numbers), these are transferred here. If you want to use these fields, please contact your Tradebyte representative.
IDCODE_RETURN	N	CHAR(30)	
ROUTING_CODE	N	CHAR(20)	Routing code (DHL) of the customer's address
PRICE	N	FLOAT	Shipping costs
IS_EXPRESS	N	INT(1/0)	Express shipping tag

Example XML

```
<SHIPMENT>
     <PRICE>3.95</PRICE>
     <IS_EXPRESS>0</IS_EXPRESS>
</SHIPMENT>
```

3.5 ORDER / PAYMENT (TYPEPAYMENT)

Please ask your Tradebyte contact about possible uses.



NODE	MUST	DATA TYPE	DESCRIPTION
TYPE	N	CHAR(20)	Payment type (depending on the sales channel) Please agree with your integration consultant upon the possible payment types
COSTS	N	FLOAT	Payment costs
PAYMENT_TRANSACTION_ID	N	CHAR(50)	The payment transaction number (or, for example the release code for triggering the customer load, depending on payment type)
PAYMENT_TRANSACTION_NR	N	CHAR(50)	Additional flag to identify the payment or flag of the customer (e.g. Paypal ID)
PAYMENT_TRANSACTION_NAME	N	CHAR(50)	Possibly differing customer name for payment

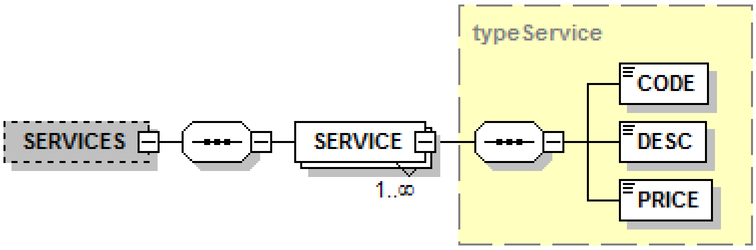
NODE	MUST	DATA TYPE	DESCRIPTION
PAYMENT_DATA	N	TEXT	Additional information for payment (usually only used at direct store connections, by appointment)
DIRECTDEBIT	N		Debit data
DIRECTDEBIT/ACCOUNTNAME	N	CHAR(50)	Name of account holder
DIRECTDEBIT/ACCOUNTNR	N	CHAR(50)	Bank account number
DIRECTDEBIT/BANKNAME	N	CHAR(50)	Name of the bank
DIRECTDEBIT/BANKCODE	N	CHAR(50)	Bank code
DIRECTDEBIT/IBAN	N	CHAR(50)	IBAN
DIRECTDEBIT/BIC	N	CHAR(30)	BIC

3.6 ORDER / HISTORY / EVENT (TYPEHISTORYEVENT)

The history node is created by TB.One to document the history of the order. Do not provide this node.

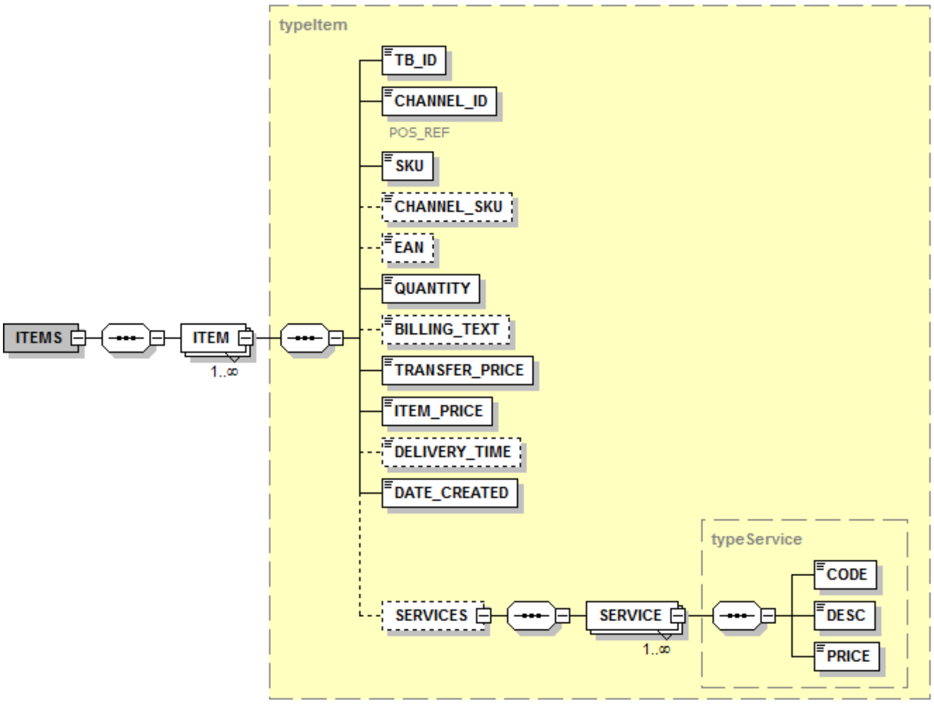
3.7 ORDER / SERVICES / SERVICE (TYPESERVICE)

Order services are used only for the transmission of additional options for the order, such as a construction service. Please ask your Tradebyte contact about possible uses.



NODE	MUST	DATA TYPE	DESCRIPTION
CODE	N	CHAR(50)	Flag of the service type
DESC	N	CHAR(100)	Designation of the service
PRICE	N	FLOAT	Service costs

3.8 ORDER / ITEMS / ITEM (TYPEITEM)



NODE	MUST	DATA TYPE	DESCRIPTION
TB_ID	--	INT	Internal Tradebyte order item ID that is assigned during import. Please don't provide any information here.
CHANNEL_ID	Y	CHAR(50)	Item number of the distribution channel. Please provide here an order item number unique within this order. This is required to uniquely identify an order item for further communication.
SKU	Y	CHAR(50)	Article number of the supplier/merchant. This will be sent to you with the product/article data.
CHANNEL_SKU	N	CHAR(50)	Article number of the distribution channel. This is mostly relevant in the communication with the customer.
EAN	N	INT(13)	EAN
QUANTITY	Y	INT	Order quantity

NODE	MUST	DATA TYPE	DESCRIPTION
BILLING_TEXT	N	CHAR(255)	Billing text of the order item. This can be passed optional and is relevant for a possible document creation.
TRANSFER_PRICE	N	FLOAT	Article price net. This can be passed optional.
ITEM_PRICE	Y	FLOAT	Gross retail price (per piece, quantity 1)
DELIVERY_TIME	N	INT	Delivery time in business days indicated at the time of customer order
SERVICES	N	typeService	Item-based services (e.g. gift packaging); Please agree with us upon use!
DATE_CREATED	--	DATE (UTC)	Creation date (import date) of the order item in TB.One (e.g. 2010-10-19T22:07:21); don't provide this information.

Example XML

```
<ITEMS>
     <ITEM>
            <CHANNEL_ID>1</CHANNEL_ID>
            <SKU>4060029565719</SKU>
            <CHANNEL_SKU>00257241717043</CHANNEL_SKU>
            <EAN>4060989565719</EAN>
            <QUANTITY>1</QUANTITY>
            <BILLING_TEXT>Longshirt (40, Blau)</BILLING_TEXT>
            <ITEM_PRICE>9.95</ITEM_PRICE>
     </ITEM>
</ITEMS>
```

4. DISPATCH ADVICES - FIELD DESCRIPTIONS

The reporting quantities (SHIP, DIFF, RETURN) are to be interpreted additively. Each partial delivery is a new message with the appropriate amount and will be send separately for the affected order item. Thus, the complete item status is not repeated.

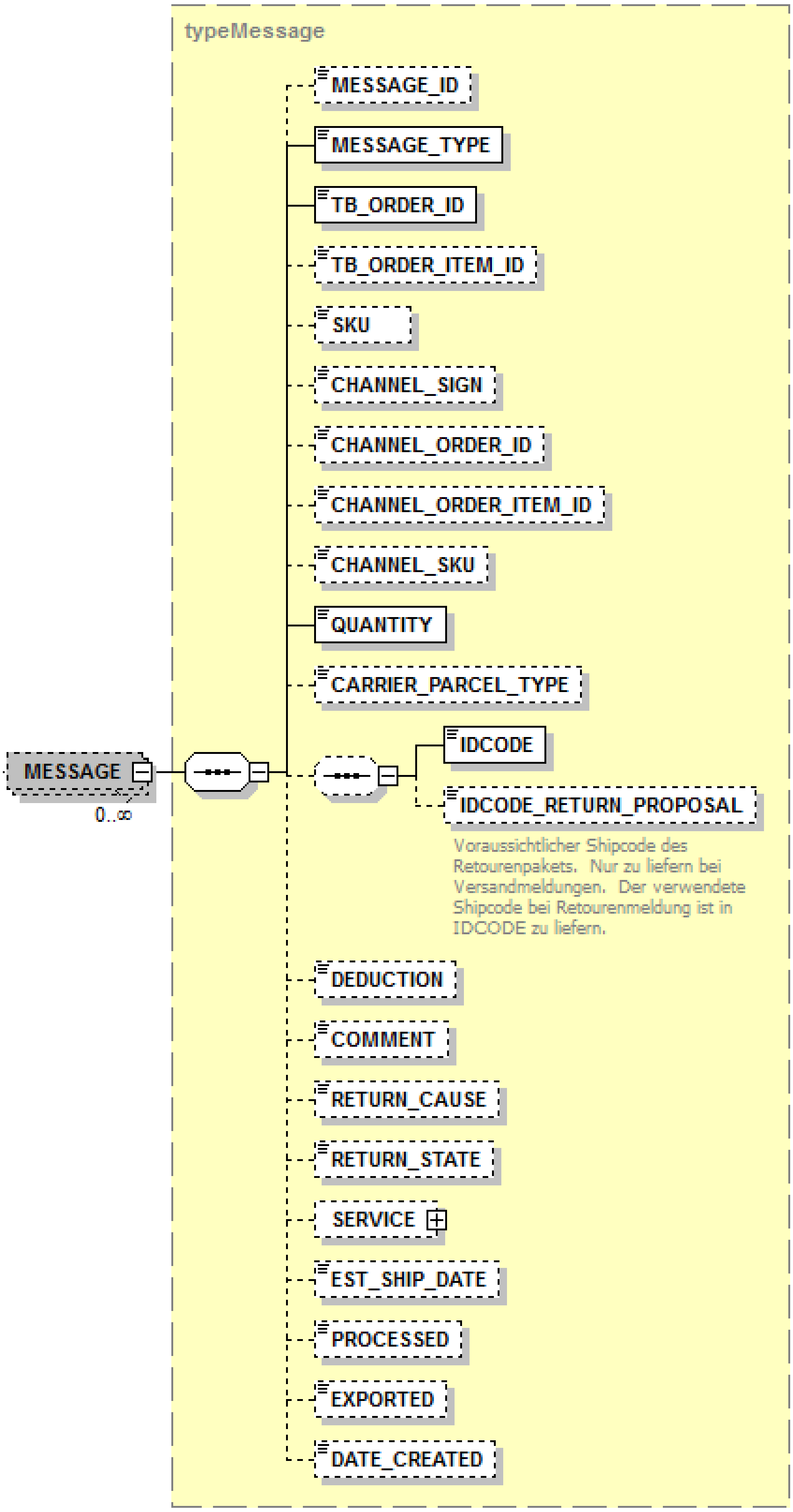
Example: Total order quantity of an order item (ORDER / ITEMS / ITEM / QUANTITY) = 10. If the delivery is in two packages, each with quantity 5, this is transferred as two messages of the type SHIP, each with a QUANTITY = 5.

Please regard that the following fields from an order must be referenced in every message concerning this order:

TB.ORDER	MESSAGE
ORDER / ORDER_DATA - TB_ID	MESSAGE - TB_ORDER_ID
ITEMS / ITEM - TB_ID	MESSAGE - TB_ORDER_ITEM_ID

The TB_ORDER_ITEM_ID is only required in a message when the message refers to items of the order, i.e. Diepatch advices, cancellation and returns messages. Pure order related messages such as payment, delivery or service cost deductions as well as changes of the payment state don't require the TB_ORDER_ITEM_ID.

4.1 MESSAGE


typeMessage
MESSAGE
0..∞
MESSAGE_ID
MESSAGE_TYPE
TB_ORDER_ID
TB_ORDER_ITEM_ID
SKU
CHANNEL_SIGN
CHANNEL_ORDER_ID
CHANNEL_ORDER_ITEM_ID
CHANNEL_SKU
QUANTITY
CARRIER_PARCEL_TYPE
IDCODE
IDCODE_RETURN_PROPOSAL
Voraussichtlicher Shipcode des Retourenpakets. Nur zu liefern bei Versandmeldungen. Der verwendete Shipcode bei Retourenmeldung ist in IDCODE zu liefern.
DEDUCTION
COMMENT
RETURN_CAUSE
RETURN_STATE
SERVICE
EST_SHIP_DATE
PROCESSED
EXPORTED
DATE_CREATED

NODE	MUST	DATA TYPE	DESCRIPTION
MESSAGE_LIST	Y	XML	Root node
MESSAGE	Y	typeMessage	Message
MESSAGE_ID	Y	INT	Unique number given by TB.One
MESSAGE_TYPE [33]	Y	ENUM	Message type
TB_ORDER_ID	Y	INT	Unique number of the concerned order assigned by TB.One. You will receive this as feedback (REST API) at the handover of the order.
TB_ORDER_ITEM_ID	N	INT	Unique number assigned by TB.One of a particular item within the order.
SKU	N	CHAR(50)	Article number
CHANNEL_SIGN	N	CHAR(12)	Channel sign
CHANNEL_ORDER_ID	N	CHAR(50)	Order number of the channel
CHANNEL_ORDER_ITEM_ID	N	CHAR(50)	Item number of the channel
CHANNEL_SKU	N	CHAR(50)	Channel article number
QUANTITY	Y	INT	Report quantity for the provided message type
CARRIER_PARCEL_TYPE [34]	N	ENUM	Package type
IDCODE	N	CHAR(50)	Dispatch advice: ship code for tracking. Here, the information of the merchant is transferred. Return message: Ship code with which the return was sent.
IDCODE_RETURN_PROPOSAL	N	CHAR(50)	Proposal by the merchant for the ship code of a possible return shipment. If a return code

NODE	MUST	DATA TYPE	DESCRIPTION
			proposal is provided, you will also receive an ID code.
DEDUCTION	N	FLOAT	Price reduction in the event of a return
COMMENT	N	TEXT	Comment
RETURN_CAUSE	N	CHAR(50)	Reason for return
RETURN_STATE	N	CHAR(50)	Condition of the returned article
SERVICE [26]	N	XML	Corresponds the service type of the order
EST_SHIP_DATE	N	DATE	Estimated delivery date (in the order confirmation)
PROCESSED	N	INT(0/1)	"executed" flag
EXPORTED	N	INT(0/1)	"exported" flag
DATE_CREATED	N	DATETIME	Timestamp

4.2 MESSAGE / MESSAGE_TYPE

The following types of messages can be sent by the merchant and must be interpreted by the channel system. At this, it is not necessarily required to evaluate that a cancellation message is sent as a customer or a storage cancellation, if you have no need for this. However, your system must be able to recognize both messages as a cancellation message.

MESSAGE TYPE	DESCRIPTION
ORDER_ACKNOWLEDGE	Order confirmation
SHIP	Dispatch advice
NO_INVENTORY	Cancellation message due to stock
CUST_CANCEL	Cancellation message due to customer
RETURN	Returns notification
DEDUCT_SHIPPING_COSTS	Shipping cost deduction (only for returns)
DEDUCT_SERVICE_PRICE	Service cost deduction (only for returns)
DEDUCT_PAYMENT_COSTS	Payment cost deduction (only for returns)
PAYMENT_STATE_OPEN	Payment state: Order not yet paid
PAYMENT_STATE_PAID	Payment state: Payment received
PAYMENT_STATE_SHORTFALL	Payment state: Payment loss
REFUND	Reimbursement (not caused by a return)

4.3 MESSAGE / CARRIER_PARCEL_TYPE

The shipping types that you want to allow must be agreed upon with Tradebyte at the setup of your channel. We can provide the following delivery options as a standard set.

SHIPPING TYPE	DESCRIPTION
NO_DHL_DELIVERY	No DHL shipping
DHL_STD_NATIONAL	DHL Standard Shipping
DHL_LANG_NATIONAL	DHL Long Package
FREE_TO_CURBSIDE	Delivery to curb
DPAG_BRIEF_NATIONAL	Mail letter
UPS_STD_NATIONAL	UPS National
DPD_STD_NATIONAL	DPD Standard Shipping
GLS_STD_NATIONAL	GLS Standard Shipping
GLS_SMALL_NATIONAL	GLS Small Packet
TNT_STD_NATIONAL	TNT Standard Shipping
HERMES_STD_NATIONAL	Hermes Standard Shipping
FEDEX_STD_NATIONAL	FedEx Standard Shipping
PIN_STD_NATIONAL	PIN Standard Shipping
OTHER	Other

5. EXAMPLES

5.1 ORDER IN TB.ORDER FORMAT

```
<?xml version="1.0" encoding="utf-8"?>
<ORDER>
    <ORDER_DATA>
        <ORDER_DATE>2013-02-10</ORDER_DATE>
        <CHANNEL_SIGN>chxx</CHANNEL_SIGN>
        <CHANNEL_ID>303-6862327-6937118</CHANNEL_ID>
        <CHANNEL_NO>303-6862327-6937118</CHANNEL_NO>
        <APPROVED>1</APPROVED>
        <ITEM_COUNT>1</ITEM_COUNT>
        <TOTAL_ITEM_AMOUNT>349</TOTAL_ITEM_AMOUNT>
    </ORDER_DATA>
    <SELL_TO>
        <CHANNEL_NO>5607865</CHANNEL_NO>
        <FIRSTNAME>Max</FIRSTNAME>
        <LASTNAME>Mustermann</LASTNAME>
        <STREET_NO>Teststraße 5</STREET_NO>
        <ZIP>85405</ZIP>
        <CITY>Musterhausen</CITY>
        <COUNTRY>DE</COUNTRY>
        <PHONE_PRIVATE>123</PHONE_PRIVATE>
        <EMAIL>max@mustermann.de</EMAIL>
    </SELL_TO>
    <SHIP_TO>
        <CHANNEL_NO>5607865</CHANNEL_NO>
        <FIRSTNAME>Max</FIRSTNAME>
        <LASTNAME>Mustermann</LASTNAME>
        <STREET_NO>Teststraße 5</STREET_NO>
        <ZIP>85405</ZIP>
        <CITY>Musterhausen</CITY>
```

```
            <COUNTRY>DE</COUNTRY>
      </SHIP_TO>
      <ITEMS>
            <ITEM>
                  <CHANNEL_ID>1</CHANNEL_ID>
                  <SKU>4689bls</SKU>
                  <CHANNEL_SKU>00257241717043</CHANNEL_SKU>
                  <EAN>1234567891255</EAN>
                  <QUANTITY>1</QUANTITY>
                  <BILLING_TEXT>Reinhold bl S</BILLING_TEXT>
                  <ITEM_PRICE>349.00</ITEM_PRICE>
            </ITEM>
      </ITEMS>
</ORDER>
```

5.2 MESSAGE LIST FROM TB.ONE


```
<?xml version="1.0" encoding="utf-8"?>
<MESSAGES_LIST>                                         <!-- Message list start -->
     <MESSAGE>                                          <!-- Start of 1st message -->
           <MESSAGE_ID>99999</MESSAGE_ID>               <!-- MessageID from TB.One -->
           <MESSAGE_TYPE>ORDER_ACKNOWLEDGE</MESSAGE_TYPE> <!-- Message type -->
           <TB_ORDER_ID>2</TB_ORDER_ID>                 <!-- Unique order number from TB.One
-->
           <TB_ORDER_ITEM_ID>1</TB_ORDER_ITEM_ID> <!-- Unique item number within the
order -->
           <SKU>G2712-10.5</SKU>                        <!-- Article number from TB.One -->
           <CHANNEL_SIGN>chxx</CHANNEL_SIGN>            <!-- Channel sign from TB.One -->
           <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID>    <!-- Order number of the
channel -->
           <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the
channel -->
           <CHANNEL_SKU>AD2548</CHANNEL_SKU>            <!-- Article number channel -->
           <QUANTITY>1</QUANTITY>                       <!-- Dispatch quantity -->
           <EST_SHIP_DATE>2013-04-10</EST_SHIP_DATE><!—Estimated delivery date -->
           <COMMENT>Auftragsbestätigung</COMMENT> <!-- Comment -->
     </MESSAGE>                                         <!—End of message 1 -->
<!--For every order item you will receive a separate dispatch advice with the related
TB_ORDER_ITEM_ID-->
     <MESSAGE>                                          <!-- Start message 2 -->
           <MESSAGE_TYPE>SHIP</MESSAGE_TYPE>            <!-- Message type -->
           <TB_ORDER_ID>3</TB_ORDER_ID>                 <!-- Unique order number -->
           <TB_ORDER_ITEM_ID>1</TB_ORDER_ITEM_ID> <!-- Unique item number -->
           <SKU>G2712-10.5</SKU>                        <!-- Article number from TB.One -->
           <CHANNEL_SIGN>chxx</CHANNEL_SIGN>            <!-- Channel sign from TB.One -->
           <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID><!-- Order number of the channel
-->
           <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the
channel -->
           <CHANNEL_SKU>AD2548</CHANNEL_SKU>            <!-- Article number channel -->
           <QUANTITY>1</QUANTITY>                       <!-- Delivery quantity -->
```

```
            <CARRIER_PARCEL_TYPE>DHL_STD_NATIONAL</CARRIER_PARCEL_TYPE><!-- Shipping type -->
            <IDCODE>123456789</IDCODE>                  <!-- Ship code -->
            <IDCODE_RETURN_PROPOSAL>987654321</IDCODE_RETURN_PROPOSAL> <!-- Proposal for the ident code on the returns label. If the delivery contains a returns label, this number is reserved. -->
            <COMMENT>Liefermeldung</COMMENT>            <!-- Comment -->
      </MESSAGE>                                         <!-- End message 2 -->
      <MESSAGE>                                          <!-- Start message 3 -->
            <MESSAGE_TYPE>NO_INVENTORY</MESSAGE_TYPE>         <!-- Message type -->
            <TB_ORDER_ID>4</TB_ORDER_ID>                <!-- Unique order number -->
            <TB_ORDER_ITEM_ID>1</TB_ORDER_ITEM_ID>      <!-- Unique item number -->
            <SKU>G2712-10.5</SKU>                       <!-- Article number from TB.One -->
            <CHANNEL_SIGN>chxx</CHANNEL_SIGN>           <!-- Channel sign from TB.One -->
            <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID>    <!-- Order number of the channel -->
            <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the channel -->
            <CHANNEL_SKU>AD2548</CHANNEL_SKU>           <!-- Article number channel -->
            <QUANTITY>1</QUANTITY>                      <!-- Cancel quantity (stock cancel) -->
            <COMMENT>Storno mangels Lagerbestand</COMMENT><!-- Comment -->
      </MESSAGE>                                         <!-- End message 3 -->
      <MESSAGE>                                          <!-- Start message 4 -->
            <MESSAGE_TYPE>CUST_CANCEL</MESSAGE_TYPE><!-- Message type -->
            <TB_ORDER_ID>5</TB_ORDER_ID>                <!-- Unique order number -->
            <TB_ORDER_ITEM_ID>1</TB_ORDER_ITEM_ID>      <!-- Unique item number -->
            <SKU>G2712-10.5</SKU>                       <!-- Article number from TB.One -->
            <CHANNEL_SIGN>chxx</CHANNEL_SIGN>           <!-- Channel sign from TB.One -->
            <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID>    <!-- Order number of the channel -->
            <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the channel -->
            <CHANNEL_SKU>AD2548</CHANNEL_SKU>           <!-- Article number channel -->
            <QUANTITY>1</QUANTITY>                      <!-- Cancel quantity (customer cancel) -->
```

```
        <COMMENT>Kundenstorno</COMMENT>        <!-- Comment -->
    </MESSAGE>                                 <!-- End message 4 -->
    <MESSAGE>                                  <!-- Start message 5 -->
        <MESSAGE_TYPE>RETURN</MESSAGE_TYPE>    <!-- Message type -->
        <TB_ORDER_ID>6</TB_ORDER_ID>           <!-- Unique order number -->
        <TB_ORDER_ITEM_ID>1</TB_ORDER_ITEM_ID> <!-- Unique item number -->
        <SKU>G2712-10.5</SKU>                  <!-- Article number from TB.One -->
        <CHANNEL_SIGN>chxx</CHANNEL_SIGN>      <!-- Channel sign from TB.One -->
        <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID>   <!-- Order number of the
channel -->
        <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the
channel -->
        <CHANNEL_SKU>AD2548</CHANNEL_SKU>      <!-- Article number channel -->
        <QUANTITY>1</QUANTITY>                 <!-- Return quantity -->
        <CARRIER_PARCEL_TYPE>DHL_STD_NATIONAL</CARRIER_PARCEL_TYPE> <!-- Package
type -->
        <IDCODE>123459876</IDCODE>             <!-- Return ship code -->
        <RETURN_CAUSE>zu groß</RETURN_CAUSE>   <!-- Return cause -->
        <RETURN_STATE>ohne Mängel</RETURN_STATE><!-- Return state -->
    </MESSAGE>                                 <!-- End message 5 -->
    <MESSAGE>                                  <!-- Start message 6 -->
        <MESSAGE_TYPE>RETURN</MESSAGE_TYPE>    <!-- Message type -->
        <TB_ORDER_ID>6</TB_ORDER_ID>           <!-- Unique order number -->
        <TB_ORDER_ITEM_ID>2</TB_ORDER_ITEM_ID> <!-- Unique item number -->
        <SKU>G2712-10.5</SKU>                  <!-- Article number from TB.One -->
        <CHANNEL_SIGN>chxx</CHANNEL_SIGN>      <!-- Channel sign from TB.One -->
        <CHANNEL_ORDER_ID>125454</CHANNEL_ORDER_ID>   <!-- Order number of the
channel -->
        <CHANNEL_ORDER_ITEM_ID>5454</CHANNEL_ORDER_ITEM_ID> <!-- Item number of the
channel -->
        <CHANNEL_SKU>AD2548</CHANNEL_SKU>      <!-- Article number channel -->
        <QUANTITY>1</QUANTITY>                 <!-- Return quantity -->
        <CARRIER_PARCEL_TYPE>DHL_STD_NATIONAL</CARRIER_PARCEL_TYPE> <!-- Package
type -->
        <IDCODE>123459876</IDCODE>             <!-- Return ship code -->
```

```
        <RETURN_CAUSE>zu groß</RETURN_CAUSE>    <!-- Return cause -->
        <RETURN_STATE>ohne Mängel</RETURN_STATE><!-- Return state -->
    </MESSAGE>                                  <!-- End message 6 -->
    <MESSAGE>                                   <!-- Start message 7 -->
        <MESSAGE_TYPE>DEDUCT_SHIPPING_COSTS</MESSAGE_TYPE>  <!-- Message type -->
        <TB_ORDER_ID>7</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity (always 1) -->
        <DEDUCTION>3.95</DEDUCTION><!-- Price deduction on shipping costs (only if
shipping costs applied at the original order) -->
        <COMMENT>Shipping cost deduction </COMMENT>   <!-- Comment -->
    </MESSAGE>                                  <!-- End message 7 -->
    <MESSAGE>                                   <!-- Start message 8 -->
        <MESSAGE_TYPE>DEDUCT_SERVICE_PRICE</MESSAGE_TYPE>   <!-- Message type -->
        <TB_ORDER_ID>7</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity -->
        <DEDUCTION>3.95</DEDUCTION>             <!-- Price deduction on service
costs -->
        <COMMENT>Service cost deduction</COMMENT>     <!-- Comment -->
    </MESSAGE>                                  <!-- End message 8 -->
    <MESSAGE>                                   <!-- Start message 9 -->
        <MESSAGE_TYPE>DEDUCT_PAYMENT_COSTS</MESSAGE_TYPE>   <!-- Message type -->
        <TB_ORDER_ID>7</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity -->
        <DEDUCTION>3.95</DEDUCTION>             <!-- Price deduction -->
        <COMMENT>Payment cost deduction</COMMENT>     <!-- Comment -->
    </MESSAGE>                                  <!-- End message 9 →
    <MESSAGE>                                   <!-- Start message 10 -->
        <MESSAGE_TYPE>PAYMENT_STATE_OPEN</MESSAGE_TYPE><!-- Message type -->
        <TB_ORDER_ID>8</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity (always 1) -->
        <COMMENT>Payment state is "not paid"</COMMENT><!-- Comment -->
    </MESSAGE>                                  <!-- End message 10 →
    <MESSAGE>                                   <!-- Start message 11 -->
```

```
        <MESSAGE_TYPE>PAYMENT_STATE_PAID</MESSAGE_TYPE><!-- Message type -->
        <TB_ORDER_ID>8</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity (always 1) -->
        <COMMENT>Payment state is "paid"</COMMENT>    <!-- Comment -->
    </MESSAGE>                                  <!-- End message 11 →
    <MESSAGE>                                   <!-- Start message 12 -->
        <MESSAGE_TYPE>PAYMENT_STATE_SHORTFALL</MESSAGE_TYPE><!-- Message type -->
        <TB_ORDER_ID>7</TB_ORDER_ID>            <!-- Unique order number -->
        <QUANTITY>1</QUANTITY>                  <!-- Quantity (always 1) -->
        <COMMENT>Payment state is "payment loss"</COMMENT>  <!-- Comment -->
    </MESSAGE>                                  <!-- End message 12 -->
```