Opentrans V2.1 Order

Competec Service AG

Version 1.1, 26.08.2024

Preface

This document describes the implementation of Opentrans V2.1 for supplier order.

Order Header

Order Info

Table 1. order info elements

Element name	Description	Example
ORDER_ID	Order ID	1112223334
ORDER_DATE	Date Time	2023-04-22T09:48:11
PARTIES	Parties	Parties
CURRENCY	Currency	CHF
ORDER_PARTIES_REFERENCE	Supplier's ID	Parties References

Parties

Provided parties are BUYER, SUPPLIER and DELIVERY. Buyer and Delivery party include both GLN and supplier specific id. The supplier party is always identified by the customer specific id.

Table 2. Party Elements

Element name	Description	Example	Remarks
PARTY_ID	identification	A1234	identifier to a party
PARTY_ROLE	Identifies the role of this party	buyer	
ADDRESS	Address data	Address	

Provided types for PARTY_ID and their interpretation:

Type	Description	Remarks
supplier_specific	identifier given by supplier	for delivery and buyer party
customer_specific	identifier given by Brack/Alltron	for supplier party
gln	gln	for delivery and buyer party

Provided codes for PARTY_ROLE and their interpretation:

Code	Description	Remarks
supplier	Suppliers Address	with customer_specific id
buyer	Buyers Address	with supplier_specific id and gln
delivery	Delivery Address	with supplier_specific id and gln

Address

All three addresses are provided.

Table 3. Address Elements

Element name	Description	Example	Remarks
NAME	Company Name	Sample AG	
CONTACT_DETAILS	Contact information	[ContactDetails]	
STREET	Street	Mustergasse 1	
ZIP	ZIP	8000	
BOXNO	Delivery Ramp	Ramps 5-8	Only on delivery party
CITY	City	Zürich	
COUNTRY_CODED	Country code	CH	
VAT_ID	VAT information	CHE-000.999.111	Only on buyer party
PHONE	Phone number	062 123 12 12	Only on buyer party

ContactDetails ^^ Contact details are only provided for party buyer.

Table 4. Address Elements

Element name	Description	Example
CONTACT_NAME	Contact Person Name	Anna Muster
PHONE	Phone	+41 64 123 12 12
EMAILS	List of Emails	<ns2:EMAIL>anna.muster@alltron.ch</ns2:EMAIL>

Example Parties Block:

```xml
<PARTIES>
    <PARTY>
        <ns2:PARTY_ID type="supplier_specific">0930688</ns2:PARTY_ID>
        <ns2:PARTY_ID type="gln">897</ns2:PARTY_ID>
        <PARTY_ROLE>buyer</PARTY_ROLE>
        <ADDRESS>
            <ns2:NAME>Alltron AG</ns2:NAME>
            <CONTACT_DETAILS>
                <ns2:CONTACT_NAME>Nadine Fuchs</ns2:CONTACT_NAME>
                <ns2:PHONE>+41 62 889 60 56</ns2:PHONE>
                <ns2:EMAILS>
                    <ns2:EMAIL>
                        nadine.fuchs@alltron.ch
                    </ns2:EMAIL>
                </ns2:EMAILS>
            </CONTACT_DETAILS>
            <ns2:STREET>Hintermättlistr. 3</ns2:STREET>
            <ns2:ZIP>5506</ns2:ZIP>
            <ns2:CITY>Mägenwil</ns2:CITY>
            <ns2:COUNTRY_CODED>CH</ns2:COUNTRY_CODED>
            <ns2:VAT_ID>CHE-105.990.179 MWST</ns2:VAT_ID>
            <ns2:PHONE>062 889 88 88</ns2:PHONE>
        </ADDRESS>
    </PARTY>
    <PARTY>
        <ns2:PARTY_ID type="supplier_specific">0930688</ns2:PARTY_ID>
        <ns2:PARTY_ID type="gln">12345677890</ns2:PARTY_ID>
        <PARTY_ROLE>delivery</PARTY_ROLE>
            <ADDRESS>
                <ns2:NAME>Alltron AG</ns2:NAME>
                <ns2:STREET>Rossgassmoos 10</ns2:STREET>
                <ns2:ZIP>6130</ns2:ZIP>
                <ns2:BOXNO>Ramps 5-8</ns2:BOXNO>
                <ns2:CITY>Willisau</ns2:CITY>
            </ADDRESS>
    </PARTY>
    <PARTY>
        <ns2:PARTY_ID type="customer_specific">A1234</ns2:PARTY_ID>
        <PARTY_ROLE>supplier</PARTY_ROLE>
        <ADDRESS>
            <ns2:NAME>Muster AG</ns2:NAME>
            <ns2:STREET>Beispielgasse 1</ns2:STREET>
            <ns2:ZIP>8000</ns2:ZIP>
            <ns2:CITY>Zürich</ns2:CITY>
            <ns2:COUNTRY_CODED>CH</ns2:COUNTRY_CODED>
        </ADDRESS>
    </PARTY>
</PARTIES>
```

Parties References

The type for each reference is supplier_specific.

Table 5. Parties references

Element name	Description	Example
BUYER_IDREF	defines buyer party id with type	444444
SUPPLIER_IDREF	defines supplier party id with type	666666
SHIPMENT_PARTIES_REFERENCE	defines the shipment references	see example below

Example:

```
<DISPATCHNOTIFICATION_INFO>
<!-- more elements here -->
<ORDER_PARTIES_REFERENCE>
    <ns2:BUYER_IDREF type="supplier_specific">0930688</ns2:BUYER_IDREF>
    <ns2:SUPPLIER_IDREF type="customer_specific">A3520</ns2:SUPPLIER_IDREF>
    <SHIPMENT_PARTIES_REFERENCE>
        <DELIVERY_IDREF type="gln">7613081000000</DELIVERY_IDREF>
    </SHIPMENT_PARTIES_REFERENCE>
</ORDER_PARTIES_REFERENCE>
<!-- more elements here -->
</DISPATCHNOTIFICATION_INFO>
```

Order Item List

Dispatch Notification Items

Table 6. Order item list element

Element name	Description	Example	Remarks
ORDER_ITEM_LIST	contains all line items	Order Item	at least one line is provided

Order Item

Table 7. Order Item Elements

Element name	Description	Example
LINE_ITEM_ID	Line number	10000
PRODUCT_ID	Product IDs	Product ID
QUANTITY	Amount ordered	5
ORDER_UNIT	Unit, always p. piece	C62 (fix)
PRODUCT_PRICE_FIX	Price without VAT	Product Price fix
PRICE_LINE_AMOUNT	total of line, without VAT	88
DELIVERY_DATE	requested delivery date	Delivery Date

Product ID

Table 8. Product Id elements

Element name	Description	Example	type
SUPPLIER_PID	Product id by supplier	abc1234	supplier_specific
BUYER_PID	Product id by buyer	abc1234	buyer_specific, sku
INTERNATIONAL_PID	EAN Code, only if present	7109806181210	ean, if present

Example:

```
<PRODUCT_ID>
    <ns2:SUPPLIER_PID type="supplier_specific">AA123456</ns2:SUPPLIER_PID>
    <ns2:INTERNATIONAL_PID type="ean">7109806181210</ns2:INTERNATIONAL_PID>
    <ns2:BUYER_PID type="buyer_specific">123456</ns2:BUYER_PID>
</PRODUCT_ID>
```

Product Price fix

Product prices are always provided without vat.

Table 9. Product price fix elemet

Element name	Description	Example
PRICE_AMOUNT	Price without VAT	8.8

Example:

```
<PRODUCT_PRICE_FIX>
    <ns2:PRICE_AMOUNT>8.8</ns2:PRICE_AMOUNT>
</PRODUCT_PRICE_FIX>
```

Delivery Date

The delivery date is provided with start and end date, both are set to the same value and at start of Day.

Table 10. Delivery Date elements

Element name	Description	Example
DELIVERY_START_DATE	requested delivery date	2021-10-28T00:00:00
DELIVERY_END_DATE	requested delivery date	2021-10-28T00:00:00

Example:

```
<DELIVERY_DATE type="fixed">
    <DELIVERY_START_DATE>2021-10-28T00:00:00</DELIVERY_START_DATE>
    <DELIVERY_END_DATE>2021-10-28T00:00:00</DELIVERY_END_DATE>
</DELIVERY_DATE>
```

Order Summary

Table 11. Order summary Elements

Element name	Description	Example
TOTAL_ITEM_NUM	Count of line items	1
TOTAL_AMOUNT	Sum of all line amounts	3205.56

Example:

```
<ORDER_SUMMARY>
    <TOTAL_ITEM_NUM>2</TOTAL_ITEM_NUM>
    <TOTAL_AMOUNT>3206.56</TOTAL_AMOUNT>
</ORDER_SUMMARY>
```

Appendix

Sample Order

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ORDER version="2.1" type="standard" xmlns="http://www.opentrans.org/XMLSchema/2.1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmlns:ns2=
"http://www.bmecat.org/bmecat/2005" xmlns:ns4="http://www.w3.org/2000/09/xmldsig#">
    <ORDER_HEADER>
        <ORDER_INFO>
            <ORDER_ID>1990785210</ORDER_ID>
            <ORDER_DATE>2021-10-27T00:00:00</ORDER_DATE>
            <PARTIES>
                <PARTY>
                    <ns2:PARTY_ID type="supplier_specific">0930688</ns2:PARTY_ID>
                    <ns2:PARTY_ID type="gln">897</ns2:PARTY_ID>
                    <PARTY_ROLE>buyer</PARTY_ROLE>
                    <ADDRESS>
                        <ns2:NAME>Alltron AG</ns2:NAME>
                        <CONTACT_DETAILS>
                            <ns2:CONTACT_NAME>Nadine Fuchs</ns2:CONTACT_NAME>
                            <ns2:PHONE>+41 62 889 60 56</ns2:PHONE>
                            <ns2:EMAILS>
                                <ns2:EMAIL>nadine.fuchs@alltron.ch</ns2:EMAIL>
                            </ns2:EMAILS>
                        </CONTACT_DETAILS>
                        <ns2:STREET>Hintermättlistr. 3</ns2:STREET>
                        <ns2:ZIP>5506</ns2:ZIP>
                        <ns2:CITY>Mägenwil</ns2:CITY>
                        <ns2:COUNTRY_CODED>CH</ns2:COUNTRY_CODED>
                        <ns2:VAT_ID>CHE-105.990.179 MWST</ns2:VAT_ID>
                        <ns2:PHONE>062 889 88 88</ns2:PHONE>
                    </ADDRESS>
                </PARTY>
                <PARTY>
                    <ns2:PARTY_ID type="supplier_specific">0930688</ns2:PARTY_ID>
                    <ns2:PARTY_ID type="gln">987</ns2:PARTY_ID>
                    <PARTY_ROLE>delivery</PARTY_ROLE>
                    <ADDRESS>
                        <ns2:NAME>Alltron AG</ns2:NAME>
                        <ns2:STREET>Rossgassmoos 10</ns2:STREET>
                        <ns2:ZIP>6130</ns2:ZIP>
                        <ns2:BOXNO>Ramps 5-8</ns2:BOXNO>
                        <ns2:CITY>Willisau</ns2:CITY>
                    </ADDRESS>
                </PARTY>
                <PARTY>
                    <ns2:PARTY_ID type="customer_specific">A3520</ns2:PARTY_ID>
                    <PARTY_ROLE>supplier</PARTY_ROLE>
```

```xml
                    <ADDRESS>
                        <ns2:NAME>Muster AG</ns2:NAME>
                        <ns2:STREET>Samplestreet 1</ns2:STREET>
                        <ns2:ZIP>8000</ns2:ZIP>
                        <ns2:CITY>Zürich</ns2:CITY>
                        <ns2:COUNTRY_CODED>CH</ns2:COUNTRY_CODED>
                    </ADDRESS>
                </PARTY>
            </PARTIES>
            <ORDER_PARTIES_REFERENCE>
                <ns2:BUYER_IDREF type="supplier_specific">0930688</ns2:BUYER_IDREF>
                <ns2:SUPPLIER_IDREF type="customer_specific">
A3520</ns2:SUPPLIER_IDREF>
                <SHIPMENT_PARTIES_REFERENCE>
                    <DELIVERY_IDREF type="gln">987</DELIVERY_IDREF>
                </SHIPMENT_PARTIES_REFERENCE>
            </ORDER_PARTIES_REFERENCE>
            <ns2:CURRENCY>CHF</ns2:CURRENCY>
        </ORDER_INFO>
    </ORDER_HEADER>
    <ORDER_ITEM_LIST>
        <ORDER_ITEM>
            <LINE_ITEM_ID>10000</LINE_ITEM_ID>
            <PRODUCT_ID>
                <ns2:SUPPLIER_PID type="supplier_specific">111363</ns2:SUPPLIER_PID>
                <ns2:INTERNATIONAL_PID type="ean">
7109806181210</ns2:INTERNATIONAL_PID>
                <ns2:BUYER_PID type="buyer_specific">345087</ns2:BUYER_PID>
            </PRODUCT_ID>
            <QUANTITY>5</QUANTITY>
            <ns2:ORDER_UNIT>C62</ns2:ORDER_UNIT>
            <PRODUCT_PRICE_FIX>
                <ns2:PRICE_AMOUNT>41.06</ns2:PRICE_AMOUNT>
            </PRODUCT_PRICE_FIX>
            <PRICE_LINE_AMOUNT>205.3</PRICE_LINE_AMOUNT>
            <DELIVERY_DATE type="fixed">
                <DELIVERY_START_DATE>2021-10-28T00:00:00</DELIVERY_START_DATE>
                <DELIVERY_END_DATE>2021-10-28T00:00:00</DELIVERY_END_DATE>
            </DELIVERY_DATE>
        </ORDER_ITEM>
        <ORDER_ITEM>
            <LINE_ITEM_ID>20000</LINE_ITEM_ID>
            <PRODUCT_ID>
                <ns2:SUPPLIER_PID type="supplier_specific">175892</ns2:SUPPLIER_PID>
                <ns2:BUYER_PID type="buyer_specific">1210754</ns2:BUYER_PID>
            </PRODUCT_ID>
            <QUANTITY>30</QUANTITY>
            <ns2:ORDER_UNIT>C62</ns2:ORDER_UNIT>
            <PRODUCT_PRICE_FIX>
                <ns2:PRICE_AMOUNT>7.1</ns2:PRICE_AMOUNT>
            </PRODUCT_PRICE_FIX>
```

```xml
            <PRICE_LINE_AMOUNT>213</PRICE_LINE_AMOUNT>
            <DELIVERY_DATE type="fixed">
                <DELIVERY_START_DATE>2021-10-28T00:00:00</DELIVERY_START_DATE>
                <DELIVERY_END_DATE>2021-10-28T00:00:00</DELIVERY_END_DATE>
            </DELIVERY_DATE>
        </ORDER_ITEM>
    </ORDER_ITEM_LIST>
    <ORDER_SUMMARY>
        <TOTAL_ITEM_NUM>2</TOTAL_ITEM_NUM>
        <TOTAL_AMOUNT>3206.56</TOTAL_AMOUNT>
    </ORDER_SUMMARY>
</ORDER>
```

Glossary

sku

Stock Keeping Unit, product id by competec.