

# Opentrans V2.1 Orders

Competec Service AG

Version 1.0, 02-06-2023: Initial document

# Preface

This document describes the implementation of Opentrans V2.1 for customer orders.

## Status

Code	Description
M	Mandatory Field
C	Conditional Field

# Order Header

## Control Info

Table 1. Control info elements

Element name	Description	Status
GENERATION_DATE	Date and Time of Document generation	M
STOP_AUTOMATIC_PROCESSING	If set, order will be considered a test order.	C

Example:

```
<CONTROL_INFO>
  <GENERATION_DATE>2023-02-10</GENERATION_DATE>
</CONTROL_INFO>
```

## Order Info

Table 2. Order info elements

Element name	Description	Status	Example	Remarks
ORDER_ID	Customers Order ID	M	ABC123	
ORDER_DATE	Date Time	M	2022-11-21T12:00:00	
PARTIES	Parties	M	<a href="#">Parties</a>	
ORDER_PARTIES_REFERENCES	References	M	<a href="#">Order parties references</a>	
CURRENCY	Currency	M	CHF	must be CHF

## Parties

A List of Party blocks. At least two parties (buyer and supplier) must be provided. If delivery is omitted, delivery will go to buyers address.

Table 3. Party Elements

Element name	Description	Status	Example	Remarks
PARTY_ID	ID, GLN, DUNS...	M	A1234	Attribute type defines party
PARTY_ROLE	Identifies the role of this party	M	buyer	only supported codes
ADDRESS	Address data	M	<a href="#">Address</a>	

Allowed values for Attribute type and their interpretation:

PARTY_ID type =	Description
supplier_specific	ID given by supplier
buyer_specific	ID given by buyer

Supported codes for PARTY\_ROLE and their interpretation:

Code	Description	Status	Remarks
buyer	Buyer identification	M	
supplier	Supplier identification	M	At least an ID must be provided
final_delivery	Full Address	C	If present, shipping will go to this address
delivery	Full Address	C	Only parsed if no final_delivery given.

## Address

Only three addresses are processed: buyer, supplier and if provided, one delivery address.

- The buyer party must provide an ID.
- The supplier party may be reduced to the Party ID and Role.
- A (final-)delivery party must contain a complete address. If omitted, buyer's default delivery address will be used.

Table 4. Address Elements

Element name	Description	Status	Example	Remarks
NAME	Company Name	M	Sample AG	
NAME 2	Additional Line		Department X	
NAME 3	Additional Line			
NAME 4	Additional Line			
CONTACT_DETAILS	Contact block		<a href="#">Contact details</a>	Delivery Address only
STREET	Street	M	CHN 34.5	
STREET2	Additional line	M	Mustergasse 1	
ZIP	ZIP	M	8000	
CITY	City	M	Zürich	
STATE	Canton		ZH	
COUNTRY_CODED	Country code		CH	Only CH allowed

## Contact details

Contact details are mapped for delivery address only.

Table 5. Contact details

Element name	Description	Status	Example	Remarks
CONTACT_NAME	Contacts name		M. Muster	
CONTACT_PHONE	Contacts phone		+41 56 1234455	
CONTACT_MAILS	Email Element			only first mail

Example Party Block with contact details:

```
<PARTY>
  <bmeecat:PARTY_ID type="buyer_specific">A1234</bmeecat:PARTY_ID>
  <PARTY_ROLE>delivery</PARTY_ROLE>
  <ADDRESS>
    <bmeecat:NAME>Sample AG</bmeecat:NAME>
    <bmeecat:NAME2>Department X</bmeecat:NAME2>
    <CONTACT_DETAILS>
      <bmeecat:CONTACT_NAME>M. Muster</bmeecat:CONTACT_NAME>
    </CONTACT_DETAILS>
    <bmeecat:STREET>Mustergasse 1</bmeecat:STREET>
    <bmeecat:ZIP>8000</bmeecat:ZIP>
    <bmeecat:CITY>Zürich</bmeecat:CITY>
    <bmeecat:STATE>ZH</bmeecat:STATE>
    <bmeecat:COUNTRY>CH</bmeecat:COUNTRY>
  </ADDRESS>
</PARTY>
```

## Order parties references

The type for each reference may be buyer\_specific, supplier\_specific or party\_specific.

Table 6. Order parties references

Element name	Description	Status	Example	Remarks
BUYER_IDREF	defines buyer party id with type	M	A1234	This ID is used to identify the buyer by competec.
SUPPLIER_IDREF	defines supplier party id with type	M	B5432	

Example:

```
<ORDER_PARTIES_REFERENCE>
  <bmeecat:BUYER_IDREF type="supplier_specific">A1234</bmeecat:BUYER_IDREF>
  <bmeecat:SUPPLIER_IDREF type="buyer_specific">B5432</bmeecat:SUPPLIER_IDREF>
</ORDER_PARTIES_REFERENCE>
```

# Order Item List

## Order Item

Table 7. Order item element

Element name	Description	Status	Example	Remarks
ORDER_ITEM	contains all line items	M	<a href="#">Order Item</a>	At least one line item must be provided

## Order Item

Table 8. Order item Elements

Element name	Description	Status	Example	Remarks
LINE_ITEM_ID	Line number	M	1	
PRODUCT_ID	Product IDs	M	<a href="#">Product ID</a>	Must at least provide an <a href="#">sku</a>
QUANTITY	Amount ordered	M	10	
ORDER_UNIT	Unit	M	C62	Only C62 supported
PRODUCT_PRICE_FIX		M	<a href="#">Product price fixed</a>	
PRICE_LINE_AMOUNT	Net total price	M	502.00	

## Product ID

Table 9. Product Id elements

Element name	Description	Status	Example	type
SUPPLIER_PID	Product id by supplier	M	1513	sku
INTERNATIONAL_PID	EAN code		7613081045766	ean
DESCRIPTION_SHORT	Product name		Sample Product	max 100 characters
DESCRIPTION_LONG	Product description		Sample Product extended Text	only parsed, if short text is empty

Example:

```
<PRODUCT_ID>
  <bmeecat:SUPPLIER_PID type="supplier_specific">1513</bmeecat:SUPPLIER_PID>
  <bmeecat:INTERNATIONAL_PID type="ean">7613081045766</bmeecat:INTERNATIONAL_PID>
  <bmeecat:DESCRIPTION_SHORT>Sample Product</bmeecat:DESCRIPTION_SHORT>
  <bmeecat:DESCRIPTION_LONG>Sample Product extended Text</bmeecat:DESCRIPTION_LONG>
</PRODUCT_ID>
```

## Product price fixed

Table 10. Product price fixed elements

Element name	Description	Status	Example	Remarks
PRICE_AMOUNT	amount per unit	M	50.20	

Example:

```
<PRODUCT_PRICE_FIX>
  <bmeecat:PRICE_AMOUNT>50.20</bmeecat:PRICE_AMOUNT>
</PRODUCT_PRICE_FIX>
```

## Order Summary

Table 11. Order summary Elements

Element name	Description	Status	Example	Remarks
TOTAL_ITEM_NUMBER	Count of line items	M	1	
TOTAL_AMOUNT	Net amount	M	502.00	

Example:

```
<ORDER_SUMMARY>
```



```
<TOTAL_ITEM_NUM>1</TOTAL_ITEM_NUM>  
<TOTAL_AMOUNT>502.00</TOTAL_AMOUNT>  
</ORDER_SUMMARY>
```

# Appendix

## Sample Order

```
<?xml version="1.0" encoding="utf-8"?>
<OPENTRANS xmlns="http://www.opentrans.org/XMLSchema/2.1"
  xmlns:bmeecat="http://www.bmeecat.org/bmeecat/2005">
  <ORDER type="standard" version="2.1"
    xmlns="http://www.opentrans.org/XMLSchema/2.1"
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:bmeecat="http://www.bmeecat.org/bmeecat/2005">
    <ORDER_HEADER>
      <CONTROL_INFO>
        <GENERATION_DATE>2023-02-10</GENERATION_DATE>
      </CONTROL_INFO>
      <ORDER_INFO>
        <ORDER_ID>ABC123</ORDER_ID>
        <ORDER_DATE>2022-11-21T12:00:00</ORDER_DATE>
        <PARTIES>
          <PARTY>
            <PARTY_ID type="supplier_specific">A1234</PARTY_ID>
            <PARTY_ROLE>buyer</PARTY_ROLE>
            <ADDRESS>
              <bmeecat:NAME>Your Company Name</bmeecat:NAME>
              <bmeecat:STREET>Streetname 1</bmeecat:STREET>
              <bmeecat:ZIP>8953</bmeecat:ZIP>
              <bmeecat:CITY>Dietikon</bmeecat:CITY>
              <bmeecat:STATE>ZH</bmeecat:STATE>
              <bmeecat:COUNTRY>CH</bmeecat:COUNTRY>
            </ADDRESS>
          </PARTY>
          <PARTY>
            <bmeecat:PARTY_ID type="buyer_specific">A1234</bmeecat:PARTY_ID>
            <PARTY_ROLE>delivery</PARTY_ROLE>
            <ADDRESS>
              <bmeecat:NAME>Sample AG</bmeecat:NAME>
              <bmeecat:NAME2>Department X</bmeecat:NAME2>
              <CONTACT_DETAILS>
                <bmeecat:CONTACT_NAME>M. Muster</bmeecat:CONTACT_NAME>
              </CONTACT_DETAILS>
              <bmeecat:STREET>Mustergasse 1</bmeecat:STREET>
              <bmeecat:ZIP>8000</bmeecat:ZIP>
              <bmeecat:CITY>Zürich</bmeecat:CITY>
              <bmeecat:STATE>ZH</bmeecat:STATE>
              <bmeecat:COUNTRY>CH</bmeecat:COUNTRY>
            </ADDRESS>
          </PARTY>
          <PARTY>
```

```

        <bmeecat:PARTY_ID type="buyer_specific">B5432</bmeecat:PARTY_ID>
        <PARTY_ROLE>supplier</PARTY_ROLE>
    </PARTY>
</PARTIES>
<ORDER_PARTIES_REFERENCE>
    <bmeecat:BUYER_IDREF type="supplier_specific">A1234</bmeecat:BUYER_IDREF>
    <bmeecat:SUPPLIER_IDREF type="buyer_specific">>B5432</bmeecat:SUPPLIER_IDREF>
</ORDER_PARTIES_REFERENCE>
    <bmeecat:CURRENCY>CHF</bmeecat:CURRENCY>
</ORDER_INFO>
</ORDER_HEADER>
<ORDER_ITEM_LIST>
    <ORDER_ITEM>
        <LINE_ITEM_ID>1</LINE_ITEM_ID>
        <PRODUCT_ID>
            <bmeecat:SUPPLIER_PID type="supplier_specific">1513</bmeecat:SUPPLIER_PID>
            <bmeecat:INTERNATIONAL_PID
type="ean">7613081045766</bmeecat:INTERNATIONAL_PID>
            <bmeecat:DESCRIPTION_SHORT>Sample Product</bmeecat:DESCRIPTION_SHORT>
            <bmeecat:DESCRIPTION_LONG>Sample Product extended
Text</bmeecat:DESCRIPTION_LONG>
        </PRODUCT_ID>
        <QUANTITY>10</QUANTITY>
        <bmeecat:ORDER_UNIT>C62</bmeecat:ORDER_UNIT>
        <PRODUCT_PRICE_FIX>
            <bmeecat:PRICE_AMOUNT>50.20</bmeecat:PRICE_AMOUNT>
        </PRODUCT_PRICE_FIX>
        <PRICE_LINE_AMOUNT>502.00</PRICE_LINE_AMOUNT>
    </ORDER_ITEM>
</ORDER_ITEM_LIST>
<ORDER_SUMMARY>
    <TOTAL_ITEM_NUM>1</TOTAL_ITEM_NUM>
    <TOTAL_AMOUNT>502.00</TOTAL_AMOUNT>
</ORDER_SUMMARY>
</ORDER>
</OPENTRANS>

```

# Glossary

## **sku**

Stock Keeping Unit, product id by competec.

## **ean**

European Article Number.