

# Opentrans V2.1 DeliveryNote

Competec Service AG

Version 1.1, 13-07-2023

# Preface

This document describes the implementation of Opentrans V2.1 for customer delivery notes / dispatch notification.

# Delivery Note Header

## Control Info

Table 1. Control info elements

Element name	Description
GENERATION_DATE	Date and Time of Document generation

Example:

```
<CONTROL_INFO>
  <GENERATOR_INFO>Competec EDI</GENERATOR_INFO>
  <GENERATION_DATE>2023-04-23T09:48:11</GENERATION_DATE>
</CONTROL_INFO>
```

## Dispatch Notification Info

Table 2. dispatch notification info elements

Element name	Description	Example
DISPATCHNOTIFICATION_ID	Delivery Note ID	1112223334
DISPATCHNOTIFICATION_DATE	Date Time	2023-04-22T09:48:11
DELIVERY_DATE	Element	<a href="#">Delivery Date</a>
PARTIES	Parties	<a href="#">Parties</a>
SUPPLIER_IDREF	Supplier's ID	<a href="#">Parties References</a>
BUYER_IDREF	Buyer's ID	<a href="#">Parties References</a>
SHIPMENT_PARTIES_REFERENCE	Shipping ID	<a href="#">Parties References</a>
TRACKING_TRACING_URL	Postpack url	<a href="#">Tracking and Logistics Details</a>
LOGISTIC_DETAILS_INFO	Element	<a href="#">Logistics Detail Info</a>

## Delivery Date

The delivery dates are just an estimate, they are not guaranteed.

Table 3. DeliveryDate Elements

Element name	Description	Example
DELIVERY_START_DATE	Date Time	2023-02-07T00:00:00
DELIVERY_END_DATE	Date Time	2023-02-08T00:00:00

Example:

```
<DELIVERY_DATE type="optional">
  <DELIVERY_START_DATE>2023-02-07T00:00:00</DELIVERY_START_DATE>
  <DELIVERY_END_DATE>2023-02-08T00:00:00</DELIVERY_END_DATE>
</DELIVERY_DATE>
```

## Parties

Table 4. Party Elements

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

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	Remarks
buyer	Buyers Address	buyer_specific id provided if present
supplier	Suppliers Address	
delivery	Delivery Address	

## Address

Addresses for all parties are always provided.

Table 5. Address Elements

Element name	Description	Example
NAME	Company Name	Sample AG
NAME2	Additional Line	Department X
NAME3	Additional Line	CHN 34.5
CONTACT_DETAILS	Contact block	<a href="#">Contact details</a>
STREET	Street	Mustergasse 1

Element name	Description	Example
ZIP	ZIP	8000
CITY	City	Zürich
STATE	Canton	ZH
COUNTRY_CODED	Country code	CH

## Contact details

Table 6. Contact details

Element name	Description	Example
CONTACT_NAME	Contacts name	M. Muster

Example Party Block with contact details:

```
<PARTY>
  <ns2:PARTY_ID type="supplier_specific">444444</ns2:PARTY_ID>
  <PARTY_ROLE>delivery</PARTY_ROLE>
  <ADDRESS>
    <ns2:NAME>Sample AG</ns2:NAME>
    <ns2:NAME2>Department X</ns2:NAME2>
    <ns2:NAME3>CHN 34.5</ns2:NAME3>
    <CONTACT_DETAILS>
      <ns2:CONTACT_NAME>M. Muster</ns2:CONTACT_NAME>
    </CONTACT_DETAILS>
    <ns2:STREET>Mustergasse 1</ns2:STREET>
    <ns2:ZIP>8000</ns2:ZIP>
    <ns2:CITY>Zürich</ns2:CITY>
    <ns2:COUNTRY_CODED>CH</ns2:COUNTRY_CODED>
  </ADDRESS>
</PARTY>
```

## Parties References

The type for each reference is supplier\_specific.

Table 7. 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 delivery party id with type	444444

Example:

```
<ns2:SUPPLIER_IDREF type="supplier_specific">666666</ns2:SUPPLIER_IDREF>
<ns2:BUYER_IDREF type="supplier_specific">444444</ns2:BUYER_IDREF>

<SHIPMENT_PARTIES_REFERENCE>
  <DELIVERY_IDREF type="supplier_specific">444444</DELIVERY_IDREF>
</SHIPMENT_PARTIES_REFERENCE>
```

## Tracking and Logistics Details

If available, tracking information is added. Only the first tracking url can be passed.

Table 8. tracking and tracing information

Element name	Description	Example
TRACKING_TRACING_URL	url to track parcel	see code example
LOGISTIC_DETAILS_INFO	List of Packages	<a href="#">Logistics Detail Info</a>

## Logistic Detail Info

Table 9. Logistics Detail Info

Element name	Description	Example
PACKAGE_INFO	List of Packages	
→ PACKAGE	Package	
→ → PACKAGE_ID	tracking Id and type	99.37.115923.25417339

Example:

```
<TRACKING_TRACING_URL>https://service.post.ch/EasyTrack/submitParcelData.do?formattedP
arcelCodes=99.37.115923.25417339&p_language=de</TRACKING_TRACING_URL>
<LOGISTIC_DETAILS_INFO>
  <PACKAGE_INFO>
    <PACKAGE>
      <PACKAGE_ID type="buyer_specific">99.37.115923.25417339</PACKAGE_ID>
    </PACKAGE>
  </PACKAGE_INFO>
</LOGISTIC_DETAILS_INFO>
```

# Dispatch Notification Item List

## Dispatch Notification Items

Table 10. Dispatch Notification item list element

Element name	Description	Example	Remarks
DISPATCHNOTIFICATION_ITEM_LIST	contains all line items	<a href="#">Dispatch Notification Item</a>	at least one line is provided

## Dispatch Notification Item

Table 11. Dispatch Notification Item Elements

Element name	Description	Example
LINE_ITEM_ID	Line number	10
PRODUCT_ID	Product IDs	<a href="#">Product ID</a>
QUANTITY	Amount ordered	1
ORDER_UNIT	Unit, always p. piece	C62
DELIVERY_REFERENCE	Delivery Dates	<a href="#">Delivery Reference</a>
ORDER_REFERENCE	Reference to Order by buyer	<a href="#">Order Reference</a>
SUPPLIER_ORDER_REFERENCE	Reference to Order by supplier	<a href="#">Supplier Order Reference</a>
SHIPMENT_PARTIES_REFERENCE	ID to delivery address	<a href="#">Shipment Parties Reference</a>

## Product ID

Table 12. Product Id elements

Element name	Description	Example	type
SUPPLIER_PID	Product id by supplier	1513	<a href="#">sku</a>
BUYER_PID	Product id by buyer	abc1234	
INTERNATIONAL_PID	EAN code	7613081045766	<a href="#">ean</a>
DESCRIPTION_SHORT	Product name	Sample Product	Language is always german (ger)
MANUFACTURER_INFO	Manufacturer ID	<a href="#">Manufacturer Info</a>	

## Manufacturer Info

Table 13. Manufacturer elements

Element name	Description	Example	Remarks
MANUFACTURER_PID	Manufacturers ID	F00354	may be omitted

Example:

```
<PRODUCT_ID>
  <ns2:SUPPLIER_PID type="supplier_specific">1513</ns2:SUPPLIER_PID>
  <ns2:BUYER_PID>abc1234</ns2:BUYER_PID>
  <ns2:INTERNATIONAL_PID type="ean">7613081045766</ns2:INTERNATIONAL_PID>
  <ns2:DESCRIPTION_SHORT lang="ger">Sample Product</ns2:DESCRIPTION_SHORT>
  <MANUFACTURER_INFO>
    <ns2:MANUFACTURER_PID>F00354</ns2:MANUFACTURER_PID>
  </MANUFACTURER_INFO>
</PRODUCT_ID>
```

## Delivery Reference

Table 14. Delivery Reference elements

Element name	Description	Example
DELIVERY_DATE	Delivery time range	see code example

Example:

```
<DELIVERY_REFERENCE>
  <DELIVERY_DATE type="optional">
    <DELIVERY_START_DATE>2023-03-14T00:00:00</DELIVERY_START_DATE>
    <DELIVERY_END_DATE>2023-03-15T00:00:00</DELIVERY_END_DATE>
  </DELIVERY_DATE>
</DELIVERY_REFERENCE>
```

## Order Reference

Table 15. Order Reference elements

Element name	Description	Example
ORDER_ID	buyers order id	4559022201
LINE_ITEM_ID	buyers line id	10

Example:

```
<ORDER_REFERENCE>
  <ORDER_ID>4559022201</ORDER_ID>
  <LINE_ITEM_ID>10</LINE_ITEM_ID>
```



</ORDER\_REFERENCE>

## Supplier Order Reference

Table 16. Supplier Order Reference elements

Element name	Description	Example
SUPPLIER_ORDER_ID	suppliers order id	123456
SUPPLIER_LINE_ITEM_ID	suppliers line id	10000

Example:

```
<SUPPLIER_ORDER_REFERENCE>
  <SUPPLIER_ORDER_ID>123456</SUPPLIER_ORDER_ID>
  <SUPPLIER_ORDER_ITEM_ID>10000</SUPPLIER_ORDER_ITEM_ID>
</SUPPLIER_ORDER_REFERENCE>
```

## Shipment Parties Reference

Table 17. Shipment Party Reference elements

Element name	Description	Example
DELIVERY_IDREF	ID of delivery address	444444

Example:

```
<SHIPMENT_PARTIES_REFERENCE>
  <DELIVERY_IDREF type="supplier_specific">444444</DELIVERY_IDREF>
</SHIPMENT_PARTIES_REFERENCE>
```

## Dispatch Notification Summary

Table 18. Dispatch Notification summary Elements

Element name	Description	Example
TOTAL_ITEM_NUM	Count of line items	1

Example:

```
<DISPATCHNOTIFICATION_SUMMARY>
  <TOTAL_ITEM_NUM>1</TOTAL_ITEM_NUM>
</DISPATCHNOTIFICATION_SUMMARY>
```

# Appendix

## Sample Dispatch Notification

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<OPENTRANS 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#">
  <DISPATCHNOTIFICATION version="2.1">
    <DISPATCHNOTIFICATION_HEADER>
      <CONTROL_INFO>
        <GENERATOR_INFO>Competec EDI</GENERATOR_INFO>
        <GENERATION_DATE>2023-04-23T09:48:11</GENERATION_DATE>
      </CONTROL_INFO>
      <DISPATCHNOTIFICATION_INFO>
        <DISPATCHNOTIFICATION_ID>30535144</DISPATCHNOTIFICATION_ID>
        <DISPATCHNOTIFICATION_DATE>2022-04-22T09:48:11</DISPATCHNOTIFICATION_DATE>
        <DELIVERY_DATE>
          <DELIVERY_START_DATE>2023-02-07T00:00:00</DELIVERY_START_DATE>
          <DELIVERY_END_DATE>2023-02-08T00:00:00</DELIVERY_END_DATE>
        </DELIVERY_DATE>
        <PARTIES>
          <PARTY>
            <ns2:PARTY_ID type="buyer_specific">AN123456789</ns2:PARTY_ID>
            <ns2:PARTY_ID type="supplier_specific">444444</ns2:PARTY_ID>
            <PARTY_ROLE>buyer</PARTY_ROLE>
            <ADDRESS>
              <ns2:NAME>Sample AG</ns2:NAME>
              <ns2:NAME2>Department X</ns2:NAME2>
              <ns2:NAME3>CHN 34.5</ns2:NAME3>
              <CONTACT_DETAILS>
                <ns2:CONTACT_NAME>M. Muster</ns2:CONTACT_NAME>
              </CONTACT_DETAILS>
              <ns2:STREET>Mustergasse 1</ns2:STREET>
              <ns2:ZIP>8000</ns2:ZIP>
              <ns2:CITY>Zürich</ns2:CITY>
              <ns2:COUNTRY>CH</ns2:COUNTRY>
            </ADDRESS>
          </PARTY>
          <PARTY>
            <ns2:PARTY_ID type="supplier_specific">444444</ns2:PARTY_ID>
            <PARTY_ROLE>invoice_recipient</PARTY_ROLE>
            <ADDRESS>
              <ns2:NAME>Sample AG</ns2:NAME>
              <ns2:STREET>Mustergasse 1</ns2:STREET>
              <ns2:ZIP>8000</ns2:ZIP>
              <ns2:CITY>Zürich</ns2:CITY>
              <ns2:COUNTRY>CH</ns2:COUNTRY>
            </ADDRESS>
          </PARTY>
        </PARTIES>
      </DISPATCHNOTIFICATION_INFO>
    </DISPATCHNOTIFICATION_HEADER>
  </DISPATCHNOTIFICATION>
</OPENTRANS>
```

```

    </ADDRESS>
  </PARTY>
  <PARTY>
    <ns2:PARTY_ID type="supplier_specific">444444</ns2:PARTY_ID>
    <PARTY_ROLE>delivery</PARTY_ROLE>
    <ADDRESS>
      <ns2:NAME>Sample AG</ns2:NAME>
      <ns2:NAME2>Department X</ns2:NAME2>
      <ns2:NAME3>CHN 34.5</ns2:NAME3>
      <CONTACT_DETAILS>
        <ns2:CONTACT_NAME>M. Muster</ns2:CONTACT_NAME>
      </CONTACT_DETAILS>
      <ns2:STREET>Mustergasse 1</ns2:STREET>
      <ns2:ZIP>8000</ns2:ZIP>
      <ns2:CITY>Zürich</ns2:CITY>
      <ns2:COUNTRY>CH</ns2:COUNTRY>
    </ADDRESS>
  </PARTY>
  <PARTY>
    <ns2:PARTY_ID type="supplier_specific">666666</ns2:PARTY_ID>
    <PARTY_ROLE>supplier</PARTY_ROLE>
    <ADDRESS>
      <ns2:NAME>BRACK.CH AG</ns2:NAME>
      <ns2:STREET>Hintermättlistr. 3</ns2:STREET>
      <ns2:ZIP>5506</ns2:ZIP>
      <ns2:CITY>Mägenwil</ns2:CITY>
      <ns2:COUNTRY>CH</ns2:COUNTRY>
      <ns2:VAT_ID>CHE-191.398.369 MWST</ns2:VAT_ID>
      <ns2:PHONE type="office">062 889 80 80</ns2:PHONE>
    </ADDRESS>
  </PARTY>
</PARTIES>
<ns2:SUPPLIER_IDREF type="supplier_specific">666666</ns2:SUPPLIER_IDREF>
<ns2:BUYER_IDREF type="supplier_specific">444444</ns2:BUYER_IDREF>
<SHIPMENT_PARTIES_REFERENCE>
  <DELIVERY_IDREF type="supplier_specific">444444</DELIVERY_IDREF>
</SHIPMENT_PARTIES_REFERENCE>
</DISPATCHNOTIFICATION_INFO>
</DISPATCHNOTIFICATION_HEADER>
<DISPATCHNOTIFICATION_ITEM_LIST>
  <DISPATCHNOTIFICATION_ITEM>
    <LINE_ITEM_ID>10</LINE_ITEM_ID>
    <PRODUCT_ID>
      <ns2:SUPPLIER_PID type="supplier_specific">1513</ns2:SUPPLIER_PID>
      <ns2:BUYER_PID>abc1234</ns2:BUYER_PID>
      <ns2:INTERNATIONAL_PID type="ean">7613081045766</ns2:INTERNATIONAL_PID>
      <ns2:DESCRIPTION_SHORT lang="ger">TestArtikel</ns2:DESCRIPTION_SHORT>
      <MANUFACTURER_INFO>
        <ns2:MANUFACTURER_PID>F00354</ns2:MANUFACTURER_PID>
      </MANUFACTURER_INFO>
    </PRODUCT_ID>
  </DISPATCHNOTIFICATION_ITEM>
</DISPATCHNOTIFICATION_ITEM_LIST>

```

```

<QUANTITY>1</QUANTITY>
<ns2:ORDER_UNIT>C62</ns2:ORDER_UNIT>
<PRODUCT_PRICE_FIX>
  <ns2:PRICE_AMOUNT>2.76</ns2:PRICE_AMOUNT>
</PRODUCT_PRICE_FIX>
<PRICE_LINE_AMOUNT>2.76</PRICE_LINE_AMOUNT>
<DELIVERY_DATE type="fixed">
  <DELIVERY_START_DATE>2023-02-08T00:00:00</DELIVERY_START_DATE>
  <DELIVERY_END_DATE>2023-02-09T00:00:00</DELIVERY_END_DATE>
</DELIVERY_DATE>
</ORDERRESPONSE_ITEM>
<DELIVERY_REFERENCE>
  <DELIVERY_DATE type="optional">
    <DELIVERY_START_DATE>2023-03-14T00:00:00</DELIVERY_START_DATE>
    <DELIVERY_END_DATE>2023-03-15T00:00:00</DELIVERY_END_DATE>
  </DELIVERY_DATE>
</DELIVERY_REFERENCE>
<ORDER_REFERENCE>
  <ORDER_ID>4559022201</ORDER_ID>
  <LINE_ITEM_ID>10</LINE_ITEM_ID>
</ORDER_REFERENCE>
<SUPPLIER_ORDER_REFERENCE>
  <SUPPLIER_ORDER_ID>123456</SUPPLIER_ORDER_ID>
  <SUPPLIER_ORDER_ITEM_ID>10000</SUPPLIER_ORDER_ITEM_ID>
</SUPPLIER_ORDER_REFERENCE>
<SHIPMENT_PARTIES_REFERENCE>
  <DELIVERY_IDREF type="supplier_specific">444444</DELIVERY_IDREF>
</SHIPMENT_PARTIES_REFERENCE>
</DISPATCHNOTIFICATION_ITEM>
</DISPATCHNOTIFICATION_ITEM_LIST>
<DISPATCHNOTIFICATION_SUMMARY>
  <TOTAL_ITEM_NUM>1</TOTAL_ITEM_NUM>
</DISPATCHNOTIFICATION_SUMMARY>
</DISPATCHNOTIFICATION>
</OPENTRANS>

```

# Glossary

## **sku**

Stock Keeping Unit, product id by competec.

## **ean**

European Article Number.