

# Opentrans V2.1 DeliveryNote

Competec Service AG

Version 1.1, 12-07-2024

# Preface

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

# Dispatch Notification Header

## Control Info

Table 1. dispatch notification control info elements

Element name	Description	Example
GENERATION_DATE	Date Time	2023-04-22T09:48:11

## Dispatch Notification Info

Table 2. dispatch notification info elements

Element name	Description	Example	Mandatory
DISPATCHNOTIFICATION_ID	Delivery Note ID	1112223334	Y
DISPATCHNOTIFICATION_DATE	Date Time	2023-04-22T09:48:11	Y
DELIVERY_DATE	Element	<a href="#">Delivery Date</a>	
PARTIES	Parties	<a href="#">Parties</a>	
SUPPLIER_IDREF	Supplier's ID	<a href="#">Parties References</a>	Y
BUYER_IDREF	Buyer's ID	<a href="#">Parties References</a>	Y
SHIPMENT_PARTIES_REFERENCE	References	<a href="#">Parties References</a>	
SHIPMENT_ID	Shipment ID	<a href="#">Tracking and Tracing</a>	
TRACKING_TRACING_URL	Tracking URL	<a href="#">Tracking and Tracing</a>	

## Delivery Date

The end date is used as delivery date.

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>
  <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

Required parties are BUYER, SUPPLIER and FINAL\_DELIVERY.

Table 4. Party Elements

Element name	Description	Example	Remarks
PARTY_ID	buyer_specific ID	A1234	Attribute type defines party. Mandatory: buyer_specific.
PARTY_ROLE	Identifies the role of this party	buyer	
ADDRESS	Address data	<a href="#">Address</a>	for delivery party required.

Supported codes for PARTY\_ROLE and their interpretation:

Code	Description	Remarks
buyer	Buyers Address	mandatory
supplier	Suppliers Address	mandatory
final_delivery	Delivery Address	mandatory

## Address

Addresses may be omitted, except for final\_delivery.

Table 5. Address Elements

Element name	Description	Example
NAME	Company Name	Sample AG
STREET	Street	Mustergasse 1
ZIP	ZIP	8000
CITY	City	Zürich
STATE	Canton	ZH
COUNTRY_CODED	Country code	CH

*Example Parties Block:*

```
<PARTIES>
  <PARTY>
    <bmeecat:PARTY_ID type="buyer_specific">L123456</bmeecat:PARTY_ID>
    <bmeecat:PARTY_ID type="gln">7600000000000</bmeecat:PARTY_ID>
    <PARTY_ROLE>supplier</PARTY_ROLE>
  </PARTY>
  <PARTY>
    <bmeecat:PARTY_ID type="buyer_specific">K22222</bmeecat:PARTY_ID>
    <PARTY_ROLE>final_delivery</PARTY_ROLE>
    <ADDRESS>
      <bmeecat:NAME>Max Muster</bmeecat:NAME>
      <bmeecat:STREET>Gartenweg 123</bmeecat:STREET>
      <bmeecat:ZIP>1212</bmeecat:ZIP>
      <bmeecat:CITY>Musterlingen</bmeecat:CITY>
    </ADDRESS>
  </PARTY>

  <PARTY>
    <bmeecat:PARTY_ID type="buyer_specific">A1234567</bmeecat:PARTY_ID>
    <bmeecat:PARTY_ID type="gln">7699999999999</bmeecat:PARTY_ID>
    <PARTY_ROLE>buyer</PARTY_ROLE>
  </PARTY>
</PARTIES>
```

## Parties References

The type for each reference can be supplier\_specific, buyer\_specific or gln. All three references are mandatory and must be provided with their respective identifier, in alignment with the party elements above.

Table 6. 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:

```
<DISPATCHNOTIFICATION_INFO>
<!-- more elements here -->
<bmeecat:SUPPLIER_IDREF type="buyer_specific">L123456</bmeecat:SUPPLIER_IDREF>
<bmeecat:BUYER_IDREF type="buyer_specific">A1234567</bmeecat:BUYER_IDREF>

<SHIPMENT_PARTIES_REFERENCE>
  <DELIVERY_IDREF type="buyer_specific">K22222</DELIVERY_IDREF>
</SHIPMENT_PARTIES_REFERENCE>
<!-- more elements here -->
</DISPATCHNOTIFICATION_INFO>
```

## Tracking and Tracing

Table 7. tracking and tracing information

Element name	Description	Example
SHIPMENT_ID	id to track parcel	see code example
TRACKING_TRACING_URL	url to track parcel	see code example

Example:

```
<DISPATCHNOTIFICATION_INFO>
<!-- more elements here -->
<SHIPMENT_ID>SHIP_ID_1234567</SHIPMENT_ID>
<TRACKING_TRACING_URL>www.sometrackingpage.com/trackandtrace</TRACKING_TRACING_URL>
<!-- more elements here -->
</DISPATCHNOTIFICATION_INFO>
```

# Dispatch Notification Item List

## Dispatch Notification Items

Table 8. 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 9. 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
ORDER_REFERENCE	Reference to Order by buyer	<a href="#">Order Reference</a>
SHIPMENT_PARTIES_REFERENCE	ID to delivery address	<a href="#">Shipment Parties Reference</a>

## Product ID

Table 10. Product Id elements

Element name	Description	Example	type
BUYER_PID	Product id by buyer	abc1234	<a href="#">sku</a>
DESCRIPTION_SHORT	Product name	Sample Product	Language is always german (ger)

Example:

```
<PRODUCT_ID>
  <bme:BUYER_PID>1567326</bme:BUYER_PID>
  <bme:DESCRIPTION_SHORT>Some product text</bme:DESCRIPTION_SHORT>
</PRODUCT_ID>
```

## Order Reference

Table 11. Order Reference elements

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

Example:

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

## Shipment Parties Reference

Table 12. 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 13. 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"?>
<DISPATCHNOTIFICATION
  xmlns="http://www.opentrans.org/XMLSchema/2.1" version="2.1"
  xmlns:bmeecat="http://www.bmeecat.org/bmeecat/2005">
  <DISPATCHNOTIFICATION_HEADER>
    <DISPATCHNOTIFICATION_INFO>
      <DISPATCHNOTIFICATION_ID>DN1122334455</DISPATCHNOTIFICATION_ID>
      <DISPATCHNOTIFICATION_DATE>2024-05-
11T10:00:00+01:00</DISPATCHNOTIFICATION_DATE>
      <DELIVERY_DATE>
        <DELIVERY_START_DATE>2024-02-29T10:00:00+01:00</DELIVERY_START_DATE>
        <DELIVERY_END_DATE>2024-02-29T10:00:00+01:00</DELIVERY_END_DATE>
      </DELIVERY_DATE>
    <PARTIES>
      <PARTY>
        <bmeecat:PARTY_ID type="buyer_specific">L123456</bmeecat:PARTY_ID>
        <bmeecat:PARTY_ID type="gln">7600000000000</bmeecat:PARTY_ID>
        <PARTY_ROLE>supplier</PARTY_ROLE>
      </PARTY>
      <PARTY>
        <bmeecat:PARTY_ID type="buyer_specific">K22222</bmeecat:PARTY_ID>
        <PARTY_ROLE>final_delivery</PARTY_ROLE>
        <ADDRESS>
          <bmeecat:NAME>Max Muster</bmeecat:NAME>
          <bmeecat:STREET>Gartenweg 123</bmeecat:STREET>
          <bmeecat:ZIP>1212</bmeecat:ZIP>
          <bmeecat:CITY>Musterlingen</bmeecat:CITY>
        </ADDRESS>
      </PARTY>
      <PARTY>
        <bmeecat:PARTY_ID type="buyer_specific">A1234567</bmeecat:PARTY_ID>
        <bmeecat:PARTY_ID type="gln">7699999999999</bmeecat:PARTY_ID>
        <PARTY_ROLE>buyer</PARTY_ROLE>
      </PARTY>
    </PARTIES>

    <bmeecat:SUPPLIER_IDREF type="buyer_specific">L123456</bmeecat:SUPPLIER_IDREF>
    <bmeecat:BUYER_IDREF type="buyer_specific">A1234567</bmeecat:BUYER_IDREF>

    <SHIPMENT_PARTIES_REFERENCE>
      <DELIVERY_IDREF type="buyer_specific">K22222</DELIVERY_IDREF>
    </SHIPMENT_PARTIES_REFERENCE>

    <SHIPMENT_ID>SHIP_ID_1234567</SHIPMENT_ID>
```

```

<TRACKING_TRACING_URL>www.sometrackingpage.com/trackandtrace/findMySendungsnummer</TRACKING_TRACING_URL>
</DISPATCHNOTIFICATION_INFO>
</DISPATCHNOTIFICATION_HEADER>

<DISPATCHNOTIFICATION_ITEM_LIST>
  <DISPATCHNOTIFICATION_ITEM>
    <LINE_ITEM_ID>1</LINE_ITEM_ID>
    <PRODUCT_ID>
      <bmeecat:BUYER_PID>1567285</bmeecat:BUYER_PID>
      <bmeecat:DESCRIPTION_SHORT>Notebooktasche</bmeecat:DESCRIPTION_SHORT>
    </PRODUCT_ID>
    <QUANTITY>2</QUANTITY>
    <bmeecat:ORDER_UNIT>C62</bmeecat:ORDER_UNIT>
    <ORDER_REFERENCE>
      <ORDER_ID>1990845089</ORDER_ID>
      <LINE_ITEM_ID>300</LINE_ITEM_ID>
    </ORDER_REFERENCE>
    <SHIPMENT_PARTIES_REFERENCE>
      <DELIVERY_IDREF type="buyer_specific">K22222</DELIVERY_IDREF>
    </SHIPMENT_PARTIES_REFERENCE>
  </DISPATCHNOTIFICATION_ITEM>

  <DISPATCHNOTIFICATION_ITEM>
    <LINE_ITEM_ID>2</LINE_ITEM_ID>
    <PRODUCT_ID>
      <bmeecat:BUYER_PID>1567326</bmeecat:BUYER_PID>
      <bmeecat:DESCRIPTION_SHORT>Some other product text, little
longer</bmeecat:DESCRIPTION_SHORT>
    </PRODUCT_ID>
    <QUANTITY>2</QUANTITY>
    <bmeecat:ORDER_UNIT>C62</bmeecat:ORDER_UNIT>
    <ORDER_REFERENCE>
      <ORDER_ID>1990845089</ORDER_ID>
      <LINE_ITEM_ID>13</LINE_ITEM_ID>
    </ORDER_REFERENCE>
    <SHIPMENT_PARTIES_REFERENCE>
      <DELIVERY_IDREF type="buyer_specific">K22222</DELIVERY_IDREF>
    </SHIPMENT_PARTIES_REFERENCE>
  </DISPATCHNOTIFICATION_ITEM>

</DISPATCHNOTIFICATION_ITEM_LIST>

<DISPATCHNOTIFICATION_SUMMARY>
  <TOTAL_ITEM_NUM>2</TOTAL_ITEM_NUM>
</DISPATCHNOTIFICATION_SUMMARY>
</DISPATCHNOTIFICATION>

```

# Glossary

## **sku**

Stock Keeping Unit, product id by competec.