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	Delivery Date	
PARTIES	Parties	Parties	
SUPPLIER_IDREF	Supplier's ID	Parties References	Y
BUYER_IDREF	Buyer's ID	Parties References	Y
SHIPMENT_PARTIES_REFERENCE	References	Parties References	
SHIPMENT_ID	Shipment ID	Tracking and Tracing	
TRACKING_TRACING_URL	Tracking URL	Tracking and Tracing	

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	Address	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:

```xml
<PARTIES>
    <PARTY>
        <bmecat:PARTY_ID type="buyer_specific">L123456</bmecat:PARTY_ID>
        <bmecat:PARTY_ID type="gln">760000000000</bmecat:PARTY_ID>
        <PARTY_ROLE>supplier</PARTY_ROLE>
    </PARTY>
    <PARTY>
        <bmecat:PARTY_ID type="buyer_specific">K22222</bmecat:PARTY_ID>
        <PARTY_ROLE>final_delivery</PARTY_ROLE>
        <ADDRESS>
            <bmecat:NAME>Max Muster</bmecat:NAME>
            <bmecat:STREET>Gartenweg 123</bmecat:STREET>
            <bmecat:ZIP>1212</bmecat:ZIP>
            <bmecat:CITY>Musterlingen</bmecat:CITY>
        </ADDRESS>
    </PARTY>

    <PARTY>
        <bmecat:PARTY_ID type="buyer_specific">A1234567</bmecat:PARTY_ID>
        <bmecat:PARTY_ID type="gln">769999999999</bmecat:PARTY_ID>
        <PARTY_ROLE>buyer</PARTY_ROLE>
    </PARTY>
</PARTIES>
```

Parties References

The type for each reference is supplier_specific.

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 -->
<bmecat:SUPPLIER_IDREF type="buyer_specific">L123456</bmecat:SUPPLIER_IDREF>
<bmecat:BUYER_IDREF type="buyer_specific">A1234567</bmecat: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	Dispatch Notification Item	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	Product ID
QUANTITY	Amount ordered	1
ORDER_UNIT	Unit, always p. piece	C62
ORDER_REFERENCE	Reference to Order by buyer	Order Reference
SHIPMENT_PARTIES_REFERENCE	ID to delivery address	Shipment Parties Reference

Product ID

Table 10. Product Id elements

Element name	Description	Example	type
BUYER_PID	Product id by buyer	abc1234	sku
DESCRIPTION_SHORT	Product name	Sample Product	Language is always german (ger)

Example:

```
<PRODUCT_ID>
    <bmecat:BUYER_PID>1567326</bmecat:BUYER_PID>
    <bmecat:DESCRIPTION_SHORT>Some product text</bmecat: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
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<DISPATCHNOTIFICATION
 xmlns="http://www.opentrans.org/XMLSchema/2.1" version="2.1"
 xmlns:bmecat="http://www.bmecat.org/bmecat/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>
                <bmecat:PARTY_ID type="buyer_specific">L123456</bmecat:PARTY_ID>
                <bmecat:PARTY_ID type="gln">760000000000</bmecat:PARTY_ID>
                <PARTY_ROLE>supplier</PARTY_ROLE>
            </PARTY>
            <PARTY>
                <bmecat:PARTY_ID type="buyer_specific">K22222</bmecat:PARTY_ID>
                <PARTY_ROLE>final_delivery</PARTY_ROLE>
                <ADDRESS>
                    <bmecat:NAME>Max Muster</bmecat:NAME>
                    <bmecat:STREET>Gartenweg 123</bmecat:STREET>
                    <bmecat:ZIP>1212</bmecat:ZIP>
                    <bmecat:CITY>Musterlingen</bmecat:CITY>
                </ADDRESS>
            </PARTY>
            <PARTY>
                <bmecat:PARTY_ID type="buyer_specific">A1234567</bmecat:PARTY_ID>
                <bmecat:PARTY_ID type="gln">769999999999</bmecat:PARTY_ID>
                <PARTY_ROLE>buyer</PARTY_ROLE>
            </PARTY>
        </PARTIES>

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

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

        <SHIPMENT_ID>SHIP_ID_1234567</SHIPMENT_ID>
```

```xml
<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>
            <bmecat:BUYER_PID>1567285</bmecat:BUYER_PID>
            <bmecat:DESCRIPTION_SHORT>Notebooktasche</bmecat:DESCRIPTION_SHORT>
        </PRODUCT_ID>
        <QUANTITY>2</QUANTITY>
        <bmecat:ORDER_UNIT>C62</bmecat: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>
            <bmecat:BUYER_PID>1567326</bmecat:BUYER_PID>
            <bmecat:DESCRIPTION_SHORT>Some other product text, little
longer</bmecat:DESCRIPTION_SHORT>
        </PRODUCT_ID>
        <QUANTITY>2</QUANTITY>
        <bmecat:ORDER_UNIT>C62</bmecat: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.