Specification
Notification message

Version: 1.0

20th September 2024

Change log

Change	Version	Date
First version of english documentation. Correponds to Norwegian version 1.0.1	1.0	20.09.2024

Table of content

1   Introduction

The Norwegian Customs Authority (Tolletaten) has developed a solution for the digital registration of deliveries that need customs clearance before border crossing. This solution is part of the Customs Authority's new concept called "Digitoll," which encompasses the digitalization of business obligations regarding the import and export of goods to/from Norway (Digital notification and information obligations).

Digitoll does not cover the need for collaboration between the various actors in the supply chain. This particularly applies to the message exchange between the carriers and the freight forwarders, who in the future will have to declare the goods before arrival in Norway.
The Customs Authority has reported that they consider it the responsibility of the business sector to figure out how the future message exchange between the actors in the supply chain should occur.

Based on this, a group of carriers and freight forwarders took the initiative to develop a common message standard for the exchange of notifications between carriers and freight forwarders.
This document describes a first version of this message standard.

1.1   Scope

This specification describes a common standard for the exchange of Notification messages within transportation specifically directed towards the Norwegian market.
It is aimed to cover all transport modes (road, sea, train and air), but this first version is mainly targeted against road transport.

1.2   Target audience

The target audience for this document is actors involved in the type of processes it covers and who will exchange the messages specified. This may include:

- Carriers
- Freight forwarders
- Actors importing and exporting goods
- System vendors
- Customs authority

2   Principles

Actors who will exchange Notification messages must familiarize themselves with the message standard. This includes, among other things:

- Knowing what content should be sent in various use cases and for different message types
- Knowing when the different message types should be sent and what responses are expected
- Knowing how message types and actors should be identified
- Being familiar with code lists used in the message
- Knowing the technical setup for exchanging messages

3   Parties

The diagram below shows the parties involved in the exchange of the different types of Notification messages.
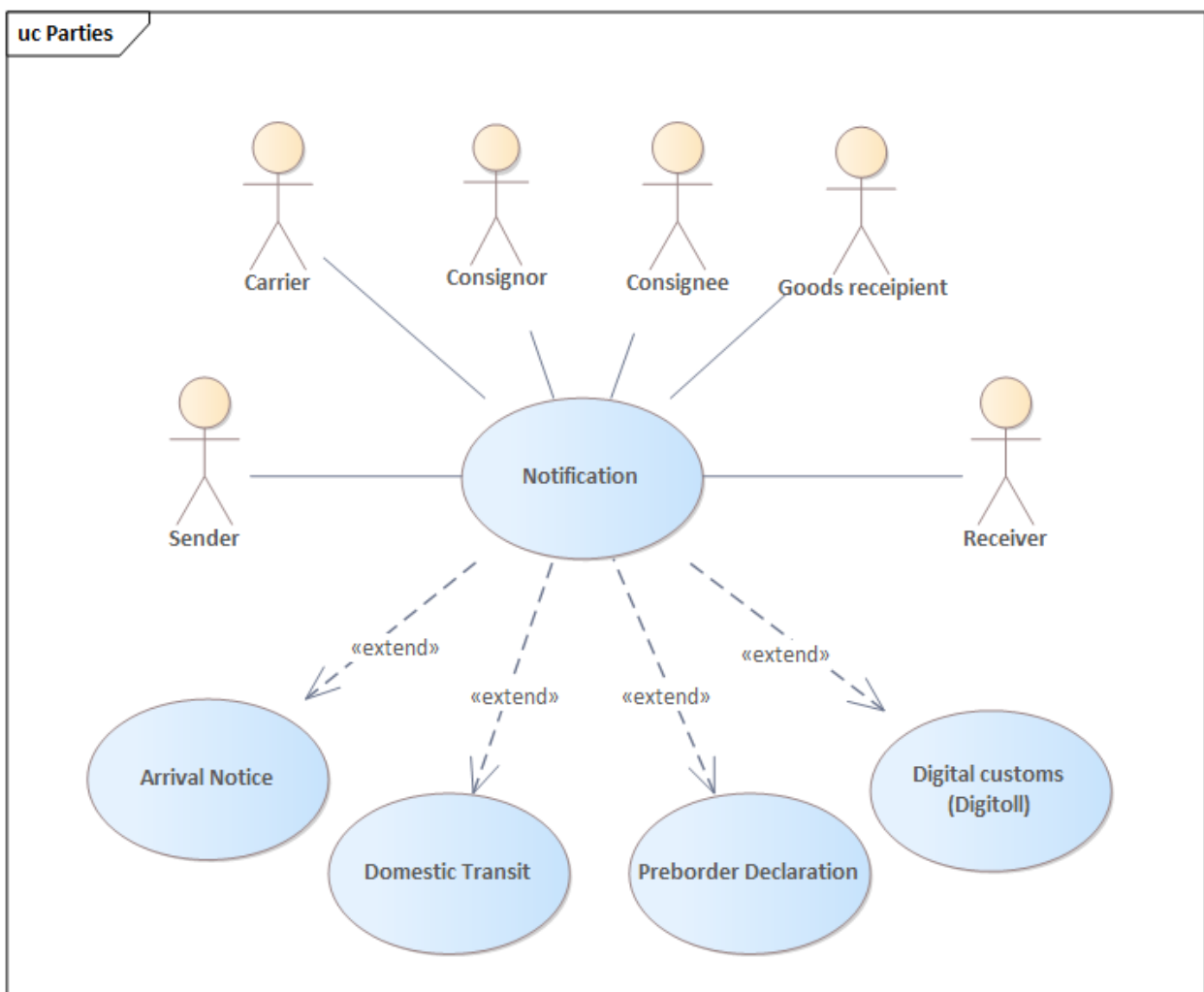
Party	Description
Sender	Sender of the message. May be the customs warehouse keeper, carrier, exporter, freight forwarder or agent.
Receiver	Receiver of the message. May be the freight forwarder, agent, declarant or someone representing the declarant.
Consignor	The party exporting goods that needs to be customs cleared. (Seller/Exporter).
Consignee	The party receiving the goods (Buyer/Importer).
Goods receiver	If different from importer.
Carrier	The party transporting the goods.

4   Processes and Use cases

4.1   Process flow

The diagram below shows the process flow for the exchange of the Notification messages and the other messages included in the flow.
The message types and how they are used is described in the following chapters.
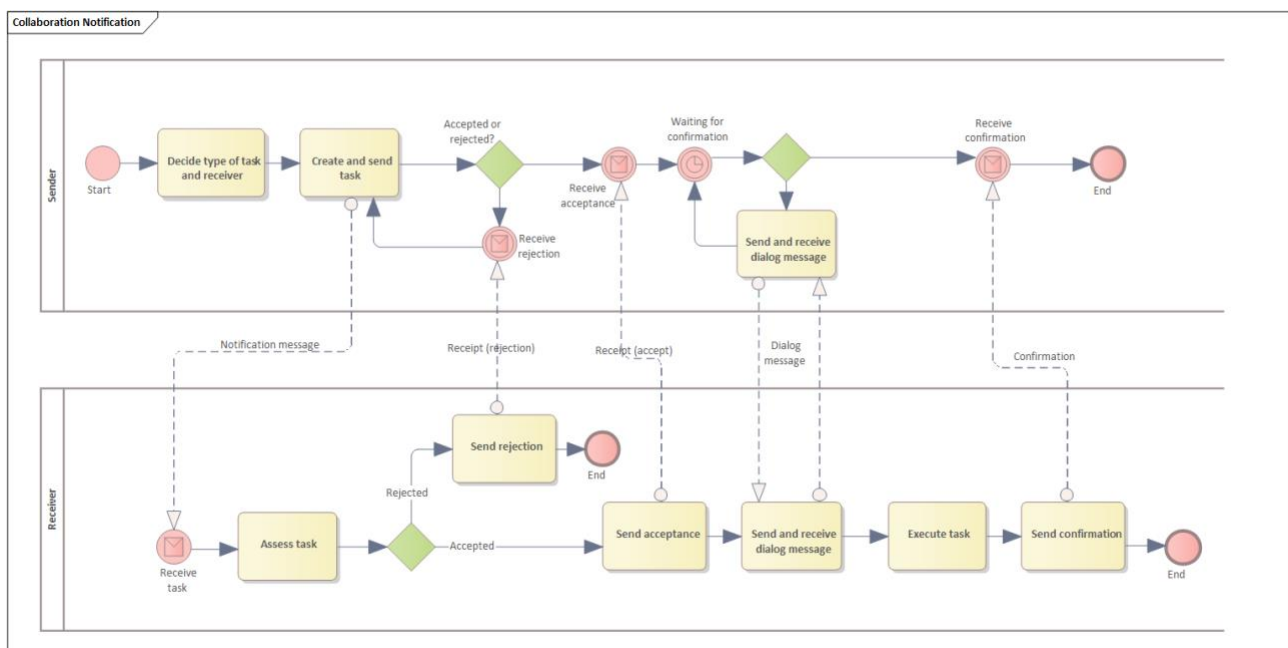
4.2   Message types

The following types of messages are included in the process:

- **Notification message** initiates a request for the recipient of the message to perform customs clearance or similar. The notification message may have slightly different content depending on the use case described in Chapter 4.3.
    - o   Arrival Notice and Domestic Transit

- o   Preborder Declaration
- o   DigitalMOHouse and DigitalMOMaster
- **Receipt** is an initial response from the recipient indicating that the notification message is either:
  - o   accepted and will be processed or
  - o   rejected and will not be processed
- **Dialog Message** can be exchanged between the sender and recipient during the process to make any necessary clarifications related to the task.
- **Confirmation** is feedback from the recipient of the notification message that the task has been completed.

4.3   Use cases

4.3.1   Use case 1: Arrival Notice and Domestic Transit

This use case describes the use of the Notification message to support the existing process for customs clearing where the actors must declare the goods within 10 days after crossing the border.

Use Case 1	
Name	Arrival Notice and Domestic Transit
Description	The Customs warehouse keeper wants another freight forwarder to either do the customs clearing or register the goods at their customs warehouse.
Roles involved	• Sender (normally a Customs warehouse keeper) • Receiver (normally a freight forwarder a declarant or someone representing the declarant)
Assumptions	• The shipment is registered in a customs warehouse with a goods and position number. • For Domestic transits the receiver must be a legal Customs warehouse keeper.
Flow	1. Sender sends an ArrivalNotice or DomesticTransit to receiver. 2. Receiver accepts (A) or rejects (B). If B the flow stops (and should be restarted again). If A the sender will get a final Confirmation when the clearing is done. 3. Sender and Receiver may exchange Dialog messages during the process.
Result	Sender has either got a rejection or an accept and a final confirmation.
Example files	Example file in chapter 8.1 is an example of an ArrivalNotice. Example file in chapter 8.2 is an example of a DomesticTransit.
User story	Attachment 2 provides description of a user story for use case 1.

4.3.2   Use case 2: Preborder Declaration

This use case describes the use of the Notification message to support Preborder declaration.

Use Case 2	
Name	Preborder Declaration
Description	A Carrier/Freight forwarder wants a declarant(importer) to start a customs clearance process to be completed at border crossing. This can either be treated as a direct customs clearance or can be registered as a Digital MO.
Roles involved	• Sender (Exporter, Carrier, Freight forwarder or Agent) • Receiver (Declarant, someone representing declarant or Freight forwarder)
Assumptions	• Declarant/Freight forwarder is pre-notified. • Declarant/Freight forwarder has registered relevant information in Tvinn and sent a Tvinn-message to the correct customs office before the carrier arrives at the border. • Receiver must hold permission to do advance declarations against correct border.
Flow	1. Sender sends a PreborderDeclaration to receiver. 2. Receiver accepts (A) or rejects (B). If B the flow stops (and should be restarted again). If A the sender will get a final Confirmation when the clearing is done. 3. Sender and Receiver may exchange Dialog messages during the process.
Result	Sender has either got a rejection or an accept and a final confirmation that the shipment is customs cleared or registered in Digitoll.
Example file	Example file in chapter 8.3 is an example of a PreborderDeclaration.
User story	Attachment 3 provides description of a user story for use case 2.

4.3.3 Use case 3: Digital customs (Digitoll)

This use case describes the use of the Notification message to support Digital customs in Digitoll which will be mandatory to use in Norway from 1st April 2025.

The diagram below shows the different levels of information required in Digital customs.

- Transport
- Master consignment
- House consignment

Before a transport crosses the border, all levels of information must be completely registered in Digital customs in order for the Customs authority to control and approve each consignment in the transport.
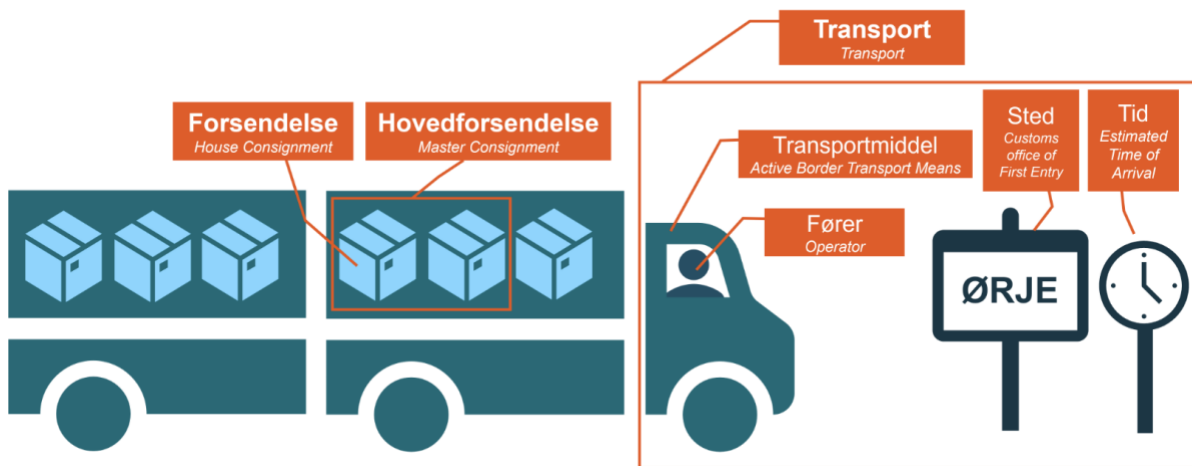
The first version of the message standard covers road transport. Other transport modes will be covered in later versions.

Use Case 3	
Name	Digital customs
Description	This use case has 2 scenarios: a) Carrier is responsible for both transport and master consignment and wants a freight forwarder to do customs clearing for one of the house consignments and register this in Digitoll (DigitalMOHouse). b) Carrier is responsible only for transport and wants a freight forwarder to do customs clearing for master consignment and all house consignments and register these in Digitoll (DigitalMOMaster).
Roles involved	• Sender (Exporter, Carrier, Freight forwarder or Agent)

Use Case 3	
	• Receiver (Declarant, someone representing declarant or Freight forwarder)
Assumptions	a) <u>One</u> company is responsible for both transport and master consignment b) One company is responsible for Transport and another company is responsible for Master consignment
Flow	1. Sender sends a Notification on Digital customs to receiver. 2. Receiver accepts (A) or rejects (B). If B the flow stops (and should be restarted again). If A the receiver will do registration in Digitoll and send a Confirmation to the sender. 3. Sender and Receiver may exchange Dialog messages during the process.
Result	Sender has either got a rejection, or an accept and a final confirmation.
Example file	Example file in chapter 8.4 is an example of a DigitalMO-message to notify the receiver to do digital customs in Digitoll.
User story	Attachment 4 provides description of a user story for use case 3.

5   Description of message content

The chapters below describe the content of the message and show examples of use in the various use cases that are defined.

Appendix 1 is a Message Table with a complete overview of the message content and filling requirements for the individual message types.

5.1   Message header

Message header is included in all message types and contains the following elements:

- Message Type (e.g. ArrivalNotice or Receipt).
- Version of the Notification message.
- Message Number – Unique identification of the message.
- Message Issue Date for the message.
- Document ID – Identification of the task that the notification concerns. This is repeated in receipts and confirmations to be able to link to the notification message.
- Response code – Only used in the Receipt message.
- Note – Free text element that may be used for additional comments.
- Terms for approval.
- Sender – Identification and contact information for the sender of the message.
- Receiver – Identification and name of the receiver of the message.

Example of Message header:

```
"messageType": "ArrivalNotice",
 "version": "1.0",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "responsCode": "Accepted",
"note": "Kommentar i fritekst",
 "terms": "Vilkår ved aksept",
 "sender": {
  "name": "string",
  "identificationNumber": "123456789",
  "communication": [
    {
      "emailAddress": "en-epost@mail.no",
      "telephoneNumber": "91234567"
    }
  ]
 },
 "receiver": {
  "name": "string",
  "identificationNumber": "123456789"
 },
```

5.2 References

Two types of references can be specified in the message:

1. References to underlying documents that are related to the notification message, such as an invoice from the sender to the receiver. The following values can be specified in the type of reference (typeOfReference):

    o **SenderInvoiceReference**
       - Reference to the invoice from the sender of the message to the receiver. Can be used to verify the content of the invoice. If an invoice is to be sent, this reference should be provided.
    o **SenderAssignmentReference**
       - Reference that can be used to refer to the message as an alternative to task ID, which is a unique reference but not very suitable for verbal communication.

    Example of referece type 1:

    ```
    "documentReferences": [
    {
     "referenceId": "inv-123456",
     "typeOfReference": "SenderInvoiceReference"
    }
    ],
    ```

2. References to documents related to customs clearance, such as a notification of the start of transit. Type of reference according to code list CL228 + RETR (Start of transit).

    Example of referece type 2:

    ```
    "previousDocuments": [
    {
     "referenceNumber": "12345678",
     "typeOfReference": "N820"
    }
    ],
    ```

5.3 Attachments

List of underlying documents as binary attachment or URI. E.g. a PDF showing the content of the message.

Example of attachment:

```
"attachments": [
{
 "documentName": "ArrivalNotice.pdf",
 "content": "innhold base64 kodet"
```

```
    }
  ],
```

5.4 Roles

The following roles can be included in the message in addition to sender and receiver:

- Consignor - Name.
- Consignee - Name.

Examples of roles:

```
"consignor": {
  "name": "Avsender AS"
},
 "consignee": {
  "name": "Mottaker AS"
},
```

5.5 Goods information

Goods information contains details about the goods to be cleared and consists of the following elements:

- **Goods description** – A brief description of the contents of the shipment
- **Goods identification**, which consists of:
  - o Type of identifier (Goods number, AWB, or MRN)
  - o Identification number
  - o Goods number position
- **Gross weight** of the shipment
- **Number of packages** in the shipment

Example of goods information:

```
"goodsItem": {
 "goodsDescription": "description",
 "goodsIdentifier": {
   "identifierType": "Goodsnumber",
   "identificationNumber": "123456789012345",
   "goodsNumberPosition": 1234
  },
 "totalGrossMass": 103,
 "numberOfPackages": 10
},
```

5.6   Transport information

Transport information contains information about transport means and consists of the following elements:

- Identification of transport means, e.g. licence number
- Type of identification
- Nationality
- Transport mode according to code list
- Currency
- Transport value
- Container identification number

Example of transport information:

```
"activeBorderTransportMeans": {
  "identificationNumber": "AB12345",
  "typeOfIdentification": "30",
  "countryCode": "NO",
  "modeOfTransportCode": "4"
},
"transportValue": {
  "transportCurrency": "NOK",
  "transportValue": 1000
},
"transportEquipment": [
  {
    "containerIdentificationNumber": "1234567"
  }
]
```

5.7   Transport document

In notification messages concerning Digitoll, the transport document number (waybill number) must be included to link the different levels in a transport, refer to the description in Chapter 4.3.3. The waybill number must be specified with the type and the actual number.

- Type of transport document according to code list CL228 Previous Document type
- Transport document number

Example of a transport document in a DigitalMO message:

```
"consignmentHouseLevel": {
  "totalGrossMass": 103.142,
  "numberOfPackages": 10,
  "goodsDescription": "Description",
  "transportDocumentHouseLevel": {
    "documentNumber": "string",
    "type": "N740"
```

```
    },
    "consignmentMasterLevel": {
      "carrierIdentificationNumber": "123456789",
      "transportDocumentMasterLevel": {
        "documentNumber": "string",
        "type": "N741"
      }
    }
  },
```

5.8   Export from EU

In notification messages concerning Preborder declaration and reporting in Digitoll, the type of export must be present.

- o   Export type according to code list TB_EKSPORTTYPE
- o   Export identification

Eksempel på eksportinformasjon:

```
"exportFromEU": [
  {
    "exportId": "22SE12345678909876",
    "typeOfExport": "UGE_EXPORT"
  }
]
```

5.9   Place of dispatch and estimated time of arrival

Place of dispatch and estimated time of arrival (ETA) must be specified in the notification for Preborder declaration and reporting in Digitoll.

- •   Place of dispatch according to code list CL141 Customs office reference number
- •   Estimated time of arrival (ETA) specified in UTC time

Example of information in a DigitalMO message:

```
"customsOfficeOfFirstEntry": {
  "referenceNumber": "NO351001"
},
"estimatedDateAndTimeOfArrival": "2023-02-02T12:00:00Z",
```

6   Code lists

Code lists that are used are either defined by the Customs Authority or created specifically for the Notification message. These are indicated directly in the Message Table in Appendix 1. The Customs Authority's code lists are available here: https://toll.github.io/api/mo-kodeverk.html.

7   Technical setup

Exchange of Notification Messages should be done via the Peppol network. This is the same network used for the exchange of EHF invoices and is known to most system providers in the market. The Peppol network requires that the messages exchanged must be known and registered in the list of legal document types.

We have defined a new message type for Notification message: **adviseringsmelding**. Receivers of the Notification message must register their capability as receivers of **adviseringsmelding** in a Peppol address register (e.g. ELMA) to be able to receive the message.

Since we have used JSON as the syntax for the Notification Message, we need to utilize an option available in Peppol to send content as binary attachments. This means that the JSON-message will be sent as a binary attachment packaged in an XML envelope according to the Peppol standard, and without any XML-payload.

7.1   Peppol envelope (SBDH)

Peppol mandates the use of an SBDH-envelope when exchanging messages in the Peppol network. Many elements in the envelope are predefined and have fixed content. The following elements must be filled out for each message:

- **Sender/Identifier**: Identifier of the sender according to ID in the Peppol address register.
- **Receiver/Identifier**: Identifier of the receiver according to ID in the Peppol address register.
- **DocumentIdentification/Standard**: Namespace for the message-standard.
  Fixed value=urn:fdc:norstella.no:toll:trns:adviseringsmelding:1
- **DocumentIdentification/TypeVersion**: Version of the envelope. Fixed value=1.0
- **DocumentIdentification/InstanceIdentifier**: Unique identifier for the message. Can be the same as messageNumber in the JSON message.
- **DocumentIdentification/Type**: Message-type. Fixed value=adviseringsmelding
- **DocumentIdentification/CreationDateAndTime**: Date and time when the envelope was created.
- **BusinessScope/Scope/Type**: Fixed value=DOCUMENTID
- **BusinessScope/Scope/InstanceIdentifier**:
  Fixed value=urn:fdc:norstella.no:toll:trns:adviseringsmelding:1
- **BusinessScope/Scope/Type**: Fixed value=PROCESSID
- **BusinessScope/Scope/InstanceIdentifier**:
  Fixed value=urn:fdc:norstella.no:toll:bis:advisering:1
- **BusinessScope/Scope/Type**: Fixed value=COUNTRY_C1
- **BusinessScope/Scope/InstanceIdentifier**: Country code for the message sender.
- **BinaryContent**: The actual JSON message Base64 encoded.

Example of SBDH-envelope:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<StandardBusinessDocument
  xmlns=http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader
  xmlns:xs=http://www.w3.org/2001/XMLSchema>
  <StandardBusinessDocumentHeader>
    <HeaderVersion>1.0</HeaderVersion>
    <Sender>
      <Identifier Authority="iso6523-actorid-upis">0192:9368092YY</Identifier>
    </Sender>
    <Receiver>
      <Identifier Authority="iso6523-actorid-upis">0192:936809219</Identifier>
    </Receiver>
    <DocumentIdentification>
      <Standard>urn:fdc:norstella.no:toll:trns:adviseringsmelding:1</Standard>
      <TypeVersion>1.0</TypeVersion>
      <InstanceIdentifier>3f5e4e2a-dedb-4edb-a788-1b10c8f4bea9</InstanceIdentifier>
      <Type>adviseringsmelding</Type>
      <CreationDateAndTime>2024-08-09T17:35:14Z</CreationDateAndTime>
    </DocumentIdentification>
    <BusinessScope>
      <Scope>
        <Type>DOCUMENTID</Type>
        <InstanceIdentifier>urn:fdc:norstella.no:toll:trns:adviseringsmelding:1</InstanceIdentifier>
      </Scope>
      <Scope>
        <Type>PROCESSID</Type>
        <InstanceIdentifier>urn:fdc:norstella.no:toll:bis:advisering:1</InstanceIdentifier>
      </Scope>
      <Scope>
        <Type>COUNTRY_C1</Type>
        <InstanceIdentifier>NO</InstanceIdentifier>
      </Scope>
    </BusinessScope>
  </StandardBusinessDocumentHeader>
  <BinaryContent xmlns=http://peppol.eu/xsd/ticc/envelope/1.0 encoding="Base64Binary"
    mimeType="application/json"> eyJtZXNzYWdlVHlwZSI6IIJIY2VpcHQiLCJ2ZXJzaW9uIjoiMS4wIiwibWVzc2FnZU
51bWJlciI6IjNmNWU0ZTJhLWRlZGItNGVkYi1hNzg4LTFiMTBjOGY0YmVhOSIsIm1lc3NhZ2VJc3N1ZURhdGUiOiIyM
```

```
    DI0LTA4LTA5VDE3OjM1OjE0WiIsImRvY3VtZW50SUQiOiJ0YXJ6YW4tZG9kby1TWVMwNTY4MzEiLCJyZXNwb25z
    Q29kZSI6IkFjY2VwdGVkIiwibm90ZSI6IlZBTElEIiwic2VuZGVyIjp7Im5hbWUiOiJTWVNURU1BIHNGVFAgVVRWIC0gU
    GVwcG9sIiwiaWRlbnRpZmljYXRpb25OdW1iZXIiOiI5MzY4MDkyWVkifSwicmVjZWl2ZXIiOnsibmFtZSI6IlNZU1RFTUE
    gQS9TICBURVNUIiwiaWRlbnRpZmljYXRpb25OdW1iZXIiOiI5MzY4MDkyMTkifX0=
```
    </BinaryContent>
  </StandardBusinessDocument>

8 Example files

8.1 Example file ArrivalNotice

```
{
 "messageType": "ArrivalNotice",
 "version": "1.0",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "note": "Notes in freetext",
 "terms": "Terms for approval",
 "sender": {
  "name": "string",
  "identificationNumber": "123456789",
  "communication": [
   {
    "emailAddress": "en-epost@mail.no",
    "telephoneNumber": "22334455"
   }
  ]
 },
 "receiver": {
  "identificationNumber": "987654321",
  "name": "string"
 },
 "documentReferences": [
  {
   "referenceId": "inv-123456",
   "typeOfReference": "SenderInvoiceReference"
  }
 ],
 "attachments": [
  {
   "documentName": "ArrivalNotice.pdf",
   "content": "content base64 kodet"
  }
 ],
 "consignor": {
```

```json
      "name": "Avsender AS"
    },
    "consignee": {
     "name": "Mottaker AS"
    },
   "goodsItem": {
     "goodsDescription": "description",
     "goodsIdentifier": {
       "identifierType": "Goodsnumber",
       "identificationNumber": "123456789012345",
       "goodsNumberPosition": 1234
      },
     "totalGrossMass": 103,
     "numberOfPackages": 10
    },
   "customsOfficeOfFirstEntry": {
     "referenceNumber": "NO351001"
    },
   "estimatedDateAndTimeOfArrival": "2023-02-02T12:00:00Z",
   "activeBorderTransportMeans": {
     "identificationNumber": "AB12345",
     "typeOfIdentification": "30",
     "countryCode": "NO",
     "modeOfTransportCode": "4"
    },
   "transportValue": {
     "transportCurrency": "NOK",
     "transportValue": 1000
    },
   "transportEquipment": [
      {
       "containerIdentificationNumber": "1234567"
      }
   ]
}
```

8.2 Example file DomesticTransit

```json
{
 "messageType": "DomesticTransit",
 "version": "1.0",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "note": "Notes in freetext",
 "terms": "Terms for approval",
 "sender": {
  "name": "string",
   "identificationNumber": "123456789",
```

```json
    "communication": [
      {
        "emailAddress": "en-epost@mail.no",
        "telephoneNumber": "22334455"
      }
    ]
  },
  "receiver": {
   "name": "string",
   "identificationNumber": "987654321"
  },
  "documentReferences": [
    {
      "referenceId": "inv-123456",
      "typeOfReference": "SenderInvoiceReference"
    }
  ],
  "attachments": [
    {
      "documentName": "DomesticTransit.pdf",
      "content": "content base64 kodet"
    }
  ],
  "consignor": {
   "name": "Avsender AS"
  },
  "consignee": {
   "name": "Mottaker AS"
  },

  "goodsItem": {
   "goodsDescription": "description",
   "goodsIdentifier": {
     "identifierType": "Goodsnumber",
     "identificationNumber": "123456789012345",
     "goodsNumberPosition": 1234
    },
   "totalGrossMass": 103,
   "numberOfPackages": 10
  },
  "activeBorderTransportMeans": {
   "identificationNumber": "AB12345",
   "typeOfIdentification": "30",
   "countryCode": "NO",
   "modeOfTransportCode": "4"
  },
  "transportValue": {
   "transportCurrency": "NOK",
   "transportValue": 1000
```

```
  },
  "transportEquipment": [
    {
      "containerIdentificationNumber": "1234567"
    }
  ]
}
```

8.3   Example file PreborderDeclaration

```
{
  "messageType": "PreborderDeclaration",
  "version": "1.0",
  "messageNumber": "1",
  "messageIssueDate": "2023-11-20T10:18:10Z",
  "documentID": "1234",
  "note": "Notes in freetext",
  "terms": "Terms for approval",
  "sender": {
    "name": "string",
    "identificationNumber": "123456789",
    "communication": [
      {
        "emailAddress": "en-epost@mail.no",
        "telephoneNumber": "22334455"
      }
    ]
  },
  "receiver": {
    "name": "string",
    "identificationNumber": "987654321"
  },
  "documentReferences": [
    {
      "referenceId": "inv-123456",
      "typeOfReference": "SenderInvoiceReference"
    }
  ],
  "attachments": [
    {
      "documentName": "invoice.pdf",
      "content": "content base64 kodet"
    }
  ],
  "consignor": {
    "name": "Avsender AS"
  },
  "consignee": {
```

```
    "name": "Mottaker AS"
   },
   "goodsItem": {
    "goodsDescription": "description",
    "goodsIdentifier": {
     "identifierType": "Goodsnumber",
     "identificationNumber": "123456789012345",
     "goodsNumberPosition": 1234
    },
    "totalGrossMass": 103,
    "numberOfPackages": 10
   },
   "digitalMO": "false",
   "customsOfficeOfFirstEntry": {
    "referenceNumber": "NO351001"
   },
   "estimatedDateAndTimeOfArrival": "2023-02-02T12:00:00Z",
   "exportFromEU": [
    {
     "exportId": "22SE12345678909876",
     "typeOfExport": "UGE_EXPORT"
     }
    ],
   "activeBorderTransportMeans": {
    "identificationNumber": "AB12345",
    "typeOfIdentification": "30",
    "countryCode": "NO",
    "modeOfTransportCode": "4"
   },
   "transportValue": {
    "transportCurrency": "NOK",
    "transportValue": 1000
   },
   "transportEquipment": [
    {
     "containerIdentificationNumber": "1234567"
    }
   ]
 }
```

8.4   Example file DigitalMOMaster

```
{
  "messageType": "DigitalMOMaster",
  "version": "1.0.1",
  "messageNumber": "1",
  "messageIssueDate": "2023-11-20T10:18:10Z",
  "documentID": "1234",
  "note": "Kommentar i fritekst",
```

```json
    "terms": "Vilkår ved aksept",
    "sender": {
      "name": "string",
      "identificationNumber": "123456789",
      "communication": [
        {
          "emailAddress": "en-epost@mail.no",
          "telephoneNumber": "22334455"
        }
      ]
    },
    "receiver": {
      "name": "string",
      "identificationNumber": "987654321"
    },
    "documentReferences": [
      {
        "referenceId": "inv-123456",
        "typeOfReference": "SenderInvoiceReference"
      }
    ],
    "attachments": [
      {
        "documentName": "invoice.pdf",
        "content": "innhold base64 kodet"
      }
    ],
    "consignor": {
      "name": "Avsender AS"
    },
    "consignee": {
      "name": "Mottaker AS"
    },
    "consignmentMasterLevel": {
      "carrierIdentificationNumber": "123456789",
      "transportDocumentMasterLevel": {
        "documentNumber": "string",
        "type": "N741"
      }
    },
    "customsOfficeOfFirstEntry": {
      "referenceNumber": "NO351001"
    },
    "estimatedDateAndTimeOfArrival": "2023-02-02T12:00:00Z",
    "activeBorderTransportMeans": {
      "identificationNumber": "AB12345",
      "typeOfIdentification": "30",
      "countryCode": "NO",
      "modeOfTransportCode": "4"
```

```
  },
  "transportValue": {
    "transportCurrency": "NOK",
    "transportValue": 1000
  },
  "transportEquipment": [
    {
      "containerIdentificationNumber": "1234567"
    }
  ]
}
```

8.5   Example file DigitalMOHouse

```
{
  "messageType": "DigitalMOHouse",
  "version": "1.0",
  "messageNumber": "1",
  "messageIssueDate": "2023-11-20T10:18:10Z",
  "documentID": "1234",
  "note": "Notes in freetext",
  "terms": "Terms for approval",
  "sender": {
    "name": "string",
    "identificationNumber": "123456789",
    "communication": [
      {
        "emailAddress": "en-epost@mail.no",
        "telephoneNumber": "22334455"
      }
    ]
  },
  "receiver": {
    "name": "string",
    "identificationNumber": "987654321"
  },
  "documentReferences": [
    {
      "referenceId": "inv-123456",
      "typeOfReference": "SenderInvoiceReference"
    }
  ],
  "attachments": [
    {
      "documentName": "invoice.pdf",
      "content": "content base64 kodet"
    }
  ],
  "consignor": {
```

```json
      "name": "Avsender AS"
    },
    "consignee": {
     "name": "Mottaker AS"
    },
    "consignmentHouseLevel": {
     "totalGrossMass": 103.142,
     "numberOfPackages": 10,
     "goodsDescription": "Description",
     "transportDocumentHouseLevel": {
       "documentNumber": "string",
       "type": "N740"
     },
     "consignmentMasterLevel": {
       "carrierIdentificationNumber": "123456789",
       "transportDocumentMasterLevel": {
        "documentNumber": "string",
        "type": "N741"
       }
     },
     "previousDocuments": [
       {
        "referenceNumber": "12345678",
        "typeOfReference": "N820"
       }
     ],
     "exportFromEU":    [
       {
        "exportId": "22SE12345678909876",
        "typeOfExport": "UGE_EXPORT"
       }
     ]
    },
    "customsOfficeOfFirstEntry": {
      "referenceNumber": "NO351001"
    },
    "estimatedDateAndTimeOfArrival": "2023-02-02T12:00:00Z",
    "activeBorderTransportMeans": {
     "identificationNumber": "AB12345",
     "typeOfIdentification": "30",
     "countryCode": "NO",
     "modeOfTransportCode": "4"
    },
    "transportValue": {
     "transportCurrency": "NOK",
     "transportValue": 1000
    },
    "transportEquipment": [
     {
```

```
      "containerIdentificationNumber": "1234567"
    }
  ]
}
```

8.6   Example file Receipt

```
{
  "messageType": "Receipt",
  "version": "1.0",
  "messageNumber": "1",
  "messageIssueDate": "2023-11-20T10:18:10Z",
  "documentID": "1234",
  "responsCode": "Accepted",
  "note": "Notes in freetext",
  "sender": {
    "name": "string",
    "identificationNumber": "987654321",
    "communication": [
      {
        "emailAddress": "en-epost@mail.no",
        "telephoneNumber": "22334455"
      }
    ]
  },
  "receiver": {
    "name": "string",
    "identificationNumber": "123456789"
  }
}
```

8.7   Example file DialogMessage

```
{
  "messageType": "DialogMessage",
  "version": "1.0",
  "messageNumber": "1",
  "messageIssueDate": "2023-11-20T10:18:10Z",
  "documentID": "1234",
  "note": "Notes in freetext",
  "sender": {
    "name": "string",
    "identificationNumber": "987654321",
    "communication": [
      {
        "emailAddress": "en-epost@mail.no",
        "telephoneNumber": "22334455"
      }
```

```
    ]
   },
   "receiver": {
    "name": "string",
    "identificationNumber": "123456789"
   }
  }
```

8.8   Example file ConfirmationPreborderDeclaration

```
{
 "messageType": "ConfirmationPreborderDeclaration",
 "version": "1.0",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "note": "Notes in freetext",
 "sender": {
  "name": "string",
  "identificationNumber": "123456789",
  "communication": [
    {
     "emailAddress": "en-epost@mail.no",
     "telephoneNumber": "22334455"
    }
  ]
 },
 "receiver": {
  "name": "string",
  "identificationNumber": "987654321"
 },

 "goodsItem": {
  "totalGrossMass": 103,
  "numberOfPackages": 10
 },

 "declarantId":
  {
   "declarantNumber": "123456789",
   "declarationDate": "2023-04-24",
   "sequenceNumber": "123"
  }
}
```

8.9   Example file ConfirmationDigitalMOMaster

```json
{
 "messageType": "ConfirmationDigitalMOMaster",
 "version": "1.0",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "note": "Notes in freetext",
 "sender": {
  "name": "string",
  "identificationNumber": "123456789",
  "communication": [
    {
      "emailAddress": "en-epost@mail.no",
      "telephoneNumber": "22334455"
    }
  ]
 },
 "receiver": {
  "name": "string",
  "identificationNumber": "987654321"
 },
 "consignmentMasterLevel": {
  "totalGrossMass": 103,
  "carrierIdentificationNumber": "123456789",
  "transportDocumentMasterLevel": {
    "documentNumber": "string",
    "type": "N741"
  }
 }
}
```

8.10 Example file ConfirmationDigitalMOHouse

```json
{
 "messageType": "ConfirmationDigitalMOHouse",
 "version": "1.0.1",
 "messageNumber": "1",
 "messageIssueDate": "2023-11-20T10:18:10Z",
 "documentID": "1234",
 "note": "Kommentar i fritekst",
 "sender": {
  "name": "string",
  "identificationNumber": "123456789",
  "communication": [
    {
      "emailAddress": "en-epost@mail.no",
      "telephoneNumber": "22334455"
```

```
      }
    ]
  },
  "receiver": {
    "name": "string",
    "identificationNumber": "987654321"
  },
  "consignmentHouseLevel": {
    "totalGrossMass": 103.142,
    "numberOfPackages": 10,
    "transportDocumentHouseLevel": {
      "documentNumber": "string",
      "type": "N740"
    },
    "consignmentMasterLevel": {
      "carrierIdentificationNumber": "123456789",
      "transportDocumentMasterLevel": {
        "documentNumber": "string",
        "type": "N741"
      }
    }
  }
}
```

Attachment 1 – Message table

Message table Notification message.xlsx (separate attachment).

Notation used to represent cardinality in the Message table.

- 1..1 = Mandatory
- 1..n = Mandatory and repeatable
- 0..1 = Optional
- 0..n = Optional and repeatable

Attachment 2 - User story Use case 1: Arrival Notice and Domestic Transit

ARRIVAL NOTICE / DOMESTIC TRANSIT (WAYBILL)

When goods are in transit, it means that a shipment is transported uncleared from location A to B. From A - the first customs warehouse holder, the shipment will be registered in a customs warehouse and assigned a goods number. The Customs Authority must be able to monitor all goods movements into the country, and therefore each consignment must be registered and given an identity that is understandable to both the Customs Authority and the business sector. This means that if there are multiple consignments to be transported, they must be specified separately, e.g., by picking one goods number and assigning each consignment different sub-positions (position numbers). This is only possible by using a Domestic Transit.

The first customs warehouse holder must then determine whether the transit should take place via an Arrival Notice or Domestic Transit. To issue a Domestic Transit, the recipient B must be an approved customs warehouse holder.

The goods number consists of 15 characters and indicates the year, location, customs warehouse holder, date, and dispatch number at the customs warehouse holder on that day.

This can happen in several ways:

1. The truck arrives at the border, and the driver takes the papers to one of the forwarders at the border where the forwarder has information about whether the customer declares themselves or uses another representative to declare for them. The shipment is registered and transported according to a fixed agreement/instruction.
2. The shipment is pre-advised by the owner of the goods, transporter, seller, etc., in advance to another forwarder, who then contacts a border forwarder and requests an Arrival Notice/Domestic Transit for the specified consignment/transport.
3. The shipment arrives with a Transit Document (T1/T2) and can cross the border without re-clearance using the goods number, simply by scanning the transit document. The driver continues to the specified location, and the transit document is closed by an approved forwarder/declaring agent, who then decides whether the shipment should be declared or re-cleared on an Arrival Notice/Domestic Transit to another forwarder/declaring agent. The 10-day rule also applies in this case.
4. No pre-advice, missing documents—the truck remains at the border until documents and information are provided.

Arrival Notice	Domestic Transit
Must include: Truck number, packages, weight, seller, buyer, goods number, position number	Must include: Truck number, packages, weight, seller, buyer, goods number, position number

Re-registered to a new goods number or declared to the procedure for transition to free circulation on another forwarder's goods number	The recipient must be an approved customs warehouse holder to receive a domestic transit document.
	Customs warehouse authorization B, goods physically entering the customs warehouse
Unloading permission must be obtained	Unloading permission must be obtained

For both Arrival Notice and Domestic Transit Document, a follow-up certificate (Rykkattest) must be sent back to the first customs warehouse holder. A follow-up certificate must contain a new goods number or clock and serial number.

Attachment 3 - User story Use case 2: Preborder Declaration

Preborder Declaration

Preborder declaration of goods means that the goods are cleared through customs at the border crossing and delivered to the recipient fully customs cleared.

To carry out such a procedure, it requires that the declarant/forwarder is pre-advised and has entered all relevant information into TVINN and sent the TVINN message to the correct "clock"/customs office before the transporter arrives at the border. The declarant/forwarder must have permission from the Customs Agency to clear goods at the relevant border crossing.

Preborder declaration is also relevant for handheld shipments arriving with couriers by air.

The pre-advisements must contain relevant import documents such as commercial invoices and certificates, as well as standard information on the number of packages, weight, and similar details to satisfactorily complete the TVINN message. This is in addition to other details to be included in box 44 on the TVINN declaration: For courier shipments by air:

- Flight number
- Arrival date and time
- Courier's name

For road transport/vehicle on a vessel:

- Vehicle/truck number
- Estimated arrival date and time
- If applicable, the border crossing if it does not have a Norwegian customs office (e.g., Tärnaby)

These shipments are not registered as goods but are cleared with warehouse code X in box 30 "goods storage location" and a simplified goods number in box 49. The simplified goods number consists of the year and the letter "D" for direct clearance, e.g., "2023D", but the declarant/forwarder's location can also be included, ending with a "D", e.g., "2023 08D". Both variants are approved in TVINN.

For road transport, the driver must report to the customs office at the border crossing and present the import documents, as well as refer to the sequence number and declaration ID on the TVINN message. If all information is correct, the customs officer will approve the import declaration, release the shipment, and the driver can proceed to the recipient and unload the goods.

For handheld shipments, the courier must "choose the red channel" before leaving the duty-free zone at the airport. The courier must have the goods and documents ready for presentation to the customs officer, as well as refer to the relevant sequence number and declaration ID on the TVINN message. If all information is correct, the customs officer will approve the import declaration, release the shipment, and the courier can deliver the goods to the recipient.

Attachment 4 - User story Use case 3: Digital customs (Digitoll)

Use case 3A: A carrier is responsible for Transport and Master level

Scenario A1: The carrier wants a freight forwarder to handle the customs clearance for a house consignment and do the registration in Digitoll.

1. The carrier sends a message to the freight forwarder with the following information:
   - To prioritize tasks:
     - ETA
   - To link HouseConsignment to MasterConsignment:
     - Transport Document Type
     - Transport Document Reference
     - Organization Number of Carrier (Note: not the sender or representative, even if they have identical values)
   - Optional: To identify the correct HouseConsignment during potential physical inspection:
     - Document Reference at the house level
       - Transport Document Type
       - Transport Document Reference
   - To ensure that the gross weight of the MasterConsignment is equal to the sum of the gross weight of each HouseConsignment submitted:
     - Gross weight of the shipment to be cleared
   - To complete the customs declaration and finalize HouseConsignment:
     - Supporting documents:
       - Commercial invoice
       - Bill of lading
       - Transit document if relevant (alternatively ID in free text)
       - Export document if relevant (alternatively ID in free text)
       - Goods certificate if relevant
       - Packing list if relevant
   - To handle invoicing of advisement afterwards:
     - Carrier's reference (typically Trip number, assignment number, or similar)
2. The freight forwarder confirms (rejections are not covered here).
3. In case of unforeseen changes, this must be communicated in a Dialog message, for example, a change in the type of declaration (it may be necessary to store the goods in a customs warehouse).

We should discuss whether it is appropriate to provide information about the planned declaration type, given the short deadlines. The question is whether it is sufficient to provide this information once the task is completed.

4. The freight forwarder performs one or more customs clearances.
5. The freight forwarder submits one HouseConsignment.
   - Links to MasterConsignment are included:

- o   Transport Document Type
- o   Transport Document Reference
- o   Organization Number of Carrier (Note: not the sender or representative, even if they have identical values)
6. The freight forwarder responds with OK indicating the customs clearance has been completed and the HouseConsignment has been submitted:
    - o   Total number of packages cleared
    - o   Gross weight o Declaration type and, if applicable, customs warehouse address
    - o   Document reference at the house level
        - ▪   Transport Document Type
        - ▪   Transport Document Reference

Scenario A2: The carrier wants the freight forwarder to carry out the customs clearance for a consignment, but the carrier will submit the HouseConsignment in Digitoll afterwards.

We believe that everyone who has implemented the messaging standard will also be connected to Digital MO. Therefore, this is an unlikely case. If this is implemented, it will be somewhat similar, except that the master reference is not shared in the task, and the declaration ID is returned.

Use case 3B: The carrier wants another party to create the MasterConsignment. Typically in cases of consolidation, sale of loading meters without the carrier having specific information about the cargo.

Premise: The carrier knows who is responsible for submitting the MasterConsignment.

1. The carrier sends a message to the forwarder with the following information:
    a) To prioritize tasks:
        i. ETA
    b) To handle advisory billing afterwards:
        i. Carrier's reference (typically trip number, assignment number or similar)
    c) To use/construct document reference:
        i. Carrier's organization number
        ii. If the carrier wants the carrier's reference to be used:
            1. Master document type and reference
    d) Supporting documents (optional):
        i. Bill of lading
        ii. Other relevant documents
2. Forwarder confirms (rejection is not covered here).
3. Forwarder submits the MasterConsignment and HouseConsignment.
4. Forwarder responds with OK, task completed, and returns the following:
    a) Carrier's organization number
    b) Master document type and reference*
    c) MRN*

- The MRN can change upon updating. The customs authority should offer status inquiries based on carrier ID, document type, and reference (both on the master consignment and house consignment), to avoid the carrier having an outdated MRN in their system.