



Business Interoperability Specification



OpenPEPPOL AISBL



**Post Award Coordinating
Community**

ICT - Models

BIS 30A – DespatchAdvice



**Version: 1.00
Status: In use**



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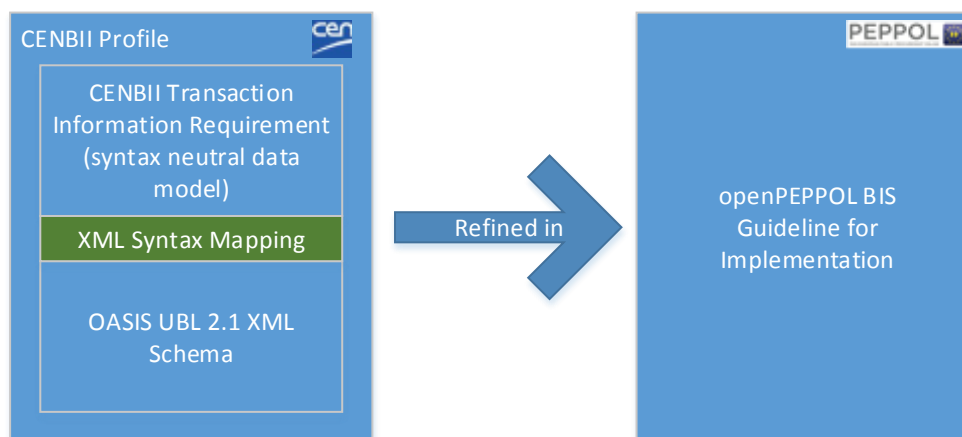
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1 Introduction to openPEPPOL and BIS

This BIS is a result of work within PEPPOL project and is published as part of PEPPOL specifications.

This PEPPOL BIS provides a set of specifications for implementing a PEPPOL business process. The document is concerned with clarifying requirements for ensuring interoperability of pan-European Public eProcurement and provides guidelines for supporting these requirements and how to implement them. This PEPPOL BIS is based on the CEN WS/BII2 Profile “Profile BII30 Dispatch Only”. A conformance statement is included in this BIS, see annex B.



1.1 Background and objective

The PEPPOL BIS (Business Interoperability Specification) provides a set of specifications for implementing PEPPOL business documents. The specifications enable any company to issue electronic documents that fulfill legal and business processing requirement within the European Union and the EEA. It supports a subset of information that is used by most industries and enables users to issue documents (invoices, orders, despatch advices, etc...) that are valid for cross border trade within the European Union and the EEA.

The purpose of this document is to describe a common format for the despatch advice message in the European market, and to facilitate an efficient implementation and increased use of electronic collaboration regarding the fulfillment process based on this format.

1.2 Audience

The audience for this document is organizations wishing to be PEPPOL enabled for exchanging electronic despatch advices, and/or their ICT-suppliers. These organizations may be:

- ▶ Service providers
- ▶ Contracting Authorities
- ▶ Economic Operators
- ▶ Software Developers

More specifically it is addressed towards the following roles:

- ▶ ICT Architects
- ▶ ICT Developers
- ▶ Business Experts

The development of this BIS was initiated as a joint project between DIFI (NO), DIGST (DK) and SFTI (SE). However, the project group decided that the Post-Award Community within openPEPPOL would be a better platform which also would give more stakeholders possibility to participate. Members of the project team have

searched advice from, and interviewed, several small and large companies using electronic despatch advices today. Particularly with the aim of identifying the most important and commonly used scenarios.

2 References

- [PEPPOL] <http://www.peppol.eu/>
[PEPPOL_EIA] http://www.peppol.eu/peppol_components/peppol-eia/eia
[PEPPOL_PostAward] http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/post-award-e-procurement/models
[PEPPOL_Transp] http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/transport-infrastructure/models
- [CEN_BII] <http://www.cen.eu/cwa/bii/specs>
[CEN_BII2] <http://www.cenbii.eu>
[BII_DespatchAdvice] ftp://ftp.cen.eu/public/CWAs/BII2/CWA16562/CWA16562-Annex-H-BII-Profile-30-DispatchOnly-V1_0_0.pdf
[BII_DespatchAdvModel] An browsable HTML version:
http://spec.cenbii.eu/BII2/fxhtml/Trdm016-DispatchAdvice/g_1.htm?http://spec.cenbii.eu/BII2/fxhtml/Trdm016-DispatchAdvice/g_5.htm
- [UBL] <http://docs.oasis-open.org/ubl/prd3-UBL-2.1/UBL-2.1.html>
[UBL_DespatchAdvice] <http://docs.oasis-open.org/ubl/prd3-UBL-2.1/xsd/maindoc/UBL-DespatchAdvice-2.1.xsd>
[Schematron] <http://www.schematron.com>
[XSLT] <http://www.w3.org/TR/xslt20/>
- [DIR_2006/112/EC] Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax, found at:
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32006L0112:EN:NOT>
- [DIR_1999/93/EC] Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures, found at:
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31999L0093:EN:NOT>
- [EIF] European Interoperability Framework 2.0, found at:
http://ec.europa.eu/isa/library/index_en.htm
http://ec.europa.eu/isa/documents/isa_annex_ii_eif_en.pdf
- [GS1 Keys] http://www.gs1.org/barcodes/technical/id_keys

3 Document history

3.1 Revision history

| Version | Date | Author | Organisation | Description |
|---------|------------|--------------|--------------|---------------|
| 1.0 | 2013-04-29 | Project team | openPEPPOL | First version |
| | | | | |
| | | | | |
| | | | | |

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4 Principles and prerequisites

This chapter describes the principles and assumptions that underlie the use of the PEPPOL Despatch Advice. It is based on the CEN BII 30 Dispatch only profile.

4.1 Despatch Advice message in general

The electronic transaction described in this implementation guide is the Despatch Advice message. The Despatch Advice message is used in the fulfillment process by the supplier to notify the receiver about, the despatch and delivery period for the goods being sent, as well as details about the goods for cross checking with the order and ultimately the Electronic Despatch Advice is used for declaring how the despatched goods are packed.

The main activities supported by this message are:

- **Transport** Full description of how the goods are packed and delivered. A delivery is taken to be a number of items that are despatched as a single consignment to a single delivery address.
- **Ordering** States what is shipped; the quantity of goods shipped and what is outstanding.
- **Receiving goods** Full support of the process of receiving goods into a warehouse, inventory, in stores or simply at a reception counter.

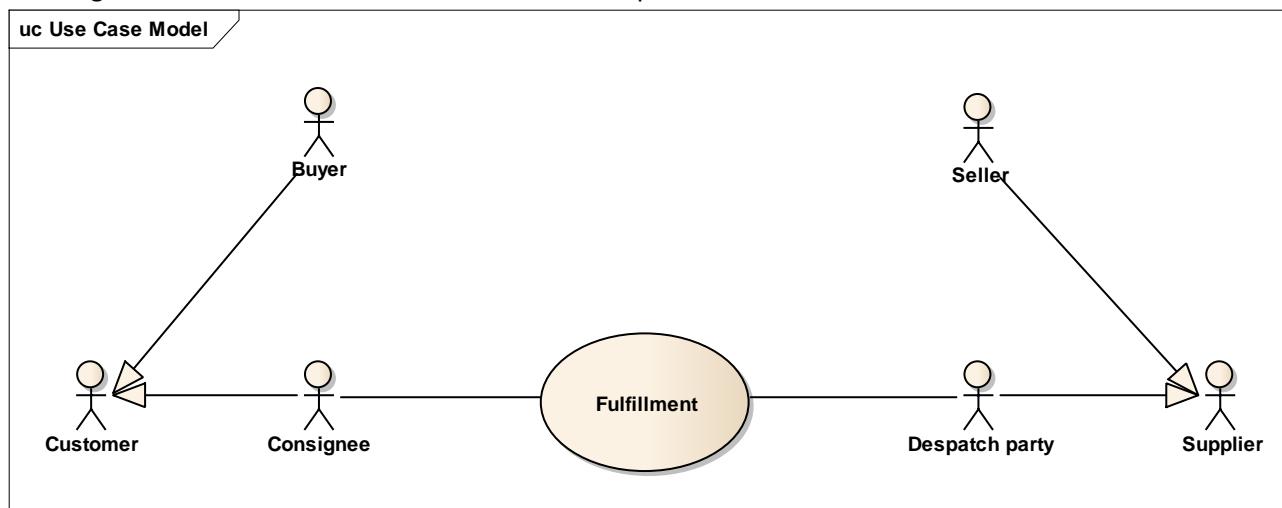
4.2 Parties and roles

The table below gives the definitions of the parties and roles of the fulfillment process.

| Parties | Definition |
|--|--|
| Customer | The customer is the legal person or organization who is in demand of a product or service. Examples of customer roles: buyer, consignee, debtor, contracting authority. |
| Supplier | The supplier is the legal person or organization who provides a product or service. Examples of supplier roles: seller, despatch party, creditor, economic operator. |
| Carrier | The carrier handles the physical delivery/transportation of the despatched shipment. Used if a third party is handling the physical transport. |
| Roles | Definition |
| Consignee (UBL:DeliveryCustomerParty) | The consignee is the person or organization to which the products will be shipped and who is taking possession. The role is carried out by the customer or on behalf of the customer. |
| Despatch Party (UBL:DespatchSupplierParty) | The Despatch Party is the person or organization who provides (despatch) the goods or services. The role is carried out by the supplier or on behalf of the supplier. (Despatch Party is sometimes known as the Consignor) |
| Buyer (UBL:BuyerCustomerParty) | The buyer is the legal person or organization who buys or purchases the goods or services. The role is carried out by the customer or on behalf of the customer. |
| Seller | The seller is the legal person or organization who sells goods or |

| | |
|--|---|
| (UBL:SellerSupplierParty) | services to the customer. The role is carried out by the supplier or on behalf of the supplier. |
| Originating party (UBL:OriginatorCustomerParty) | The party who will eventually receive and consume the goods and on whose behalf the buyer makes the purchase. |

The diagram below shows the roles in the fulfillment process.



4.3 Other important concepts

The table below gives the definitions of key concepts of the fulfillment process.

| Term | Definition |
|--------------------------------|---|
| Shipment | A contractual arrangement whereby an identifiable collection of goods items is to be transported from one party (usually a Supplier) to another party (usually a Customer). |
| Consignment | The transportation of an identifiable collection of goods items from one party (the Despatch Party) to another party (the Consignee) via one or more modes of transport. |
| Transport Handling Unit | A description of individual handling units in which the line items are packed. |
| Master Data | Master data is data which is generally static. Data such as locations or product item can be considered master data. The process of data alignment is the exchange, “up-front”, between trading partners of location and/or item data. In a GS1 context, master data is referenced by GS1 identification keys; the GLN – the global location number for locations, and the GTIN – global trade item number for item products. |
| Logistics Label | A logistics’ label has been applied to each of the pallets where the SSCCs are used and rendered as clear text numbers, address details and GS1 128 barcode. NB where multiple SSCCs are applied to logistics’ units on one pallet, there needs to be a GS1 logistics label applied and exterior of the pallet. The subordinate SSCCs on the individual logistics units should be packaged in such a way that they are not visible to the naked eye (in this scenario). For a full description of how to apply SSCCs and the GS1 Logistic label see link; http://www.gs1.eu/?page=&tudasbazis=60&lister=26 |

4.4 Despatch Advice transaction business requirements

General requirements (the identifiers in the first column are referenced to from the detailed message structure)

| ID | Requirement |
|-----------|--|
| tbr16-016 | The despatch advice must be identified with an identifier, with the issue date and possibly the issue time. |
| tbr16-001 | The despatch advice message is used by the supplier to indicate to the receiver, the goods to be delivered and how they are packaged. |
| tbr16-002 | To support transportation of goods, a delivery is taken to be a number of items that are despatched as a single consignment to a single delivery address. <ul style="list-style-type: none"> ➤ Each delivery must be accompanied by its own despatch advice ➤ Each despatch advice relates to one delivery address ➤ there may be multiple despatch advices to cover one purchase order |
| tbr16-003 | The despatch advice may refer to an order. <ul style="list-style-type: none"> ➤ Each despatch advice relates to one purchase order. |
| tbr16-011 | The despatch advice may state the reason for the chosen mode/means of transport. |
| tbr16-015 | The despatch advice may state the volume and weight of the consignment. |
| tbr16-017 | The despatch advice may contain a textual note. |

Parties

| ID | Requirement |
|-----------|---|
| tbr16-004 | The despatch advice must identify the despatch party, who is responsible for the physical despatch. <ul style="list-style-type: none"> ➤ The despatch party may act on behalf of the supplier ➤ The receiver of goods may need to contact a person responsible for despatching the goods. |
| tbr16-005 | The despatch advice must identify the consignee, who is responsible for receiving the goods. <ul style="list-style-type: none"> ➤ The receiver may act on behalf of the customer. ➤ The customer may need to be able to look up or verify the actual delivery address of the goods. The delivery address is where the despatched items have been shipped. |
| tbr16-006 | The despatch advice may identify the Buyer, who is the commercially responsible party on whose behalf the goods are being received. <ul style="list-style-type: none"> ➤ The buyer is identified providing at least a full name and a postal address ➤ The buyer party information includes contact person that issuer or receiver can contact about status of delivery, like in-house routing from inventory or reception. |
| tbr16-012 | The despatch advice may include the delivery address. |
| tbr16-013 | The despatch advice may identify the Seller, who is legally responsible for providing the goods and on whose behalf the goods are being sent. <ul style="list-style-type: none"> ➤ The Seller is identified providing at least the full name and, the postal address and the VAT number ➤ The Seller party information includes contact person that issuer or receiver can contact about status of despatch. |
| tbr16-014 | If the physical transport is provided by a third party, the despatch advice may identify that carrier. <ul style="list-style-type: none"> ➤ The carrier information may include the name of the driver. |

Line Item

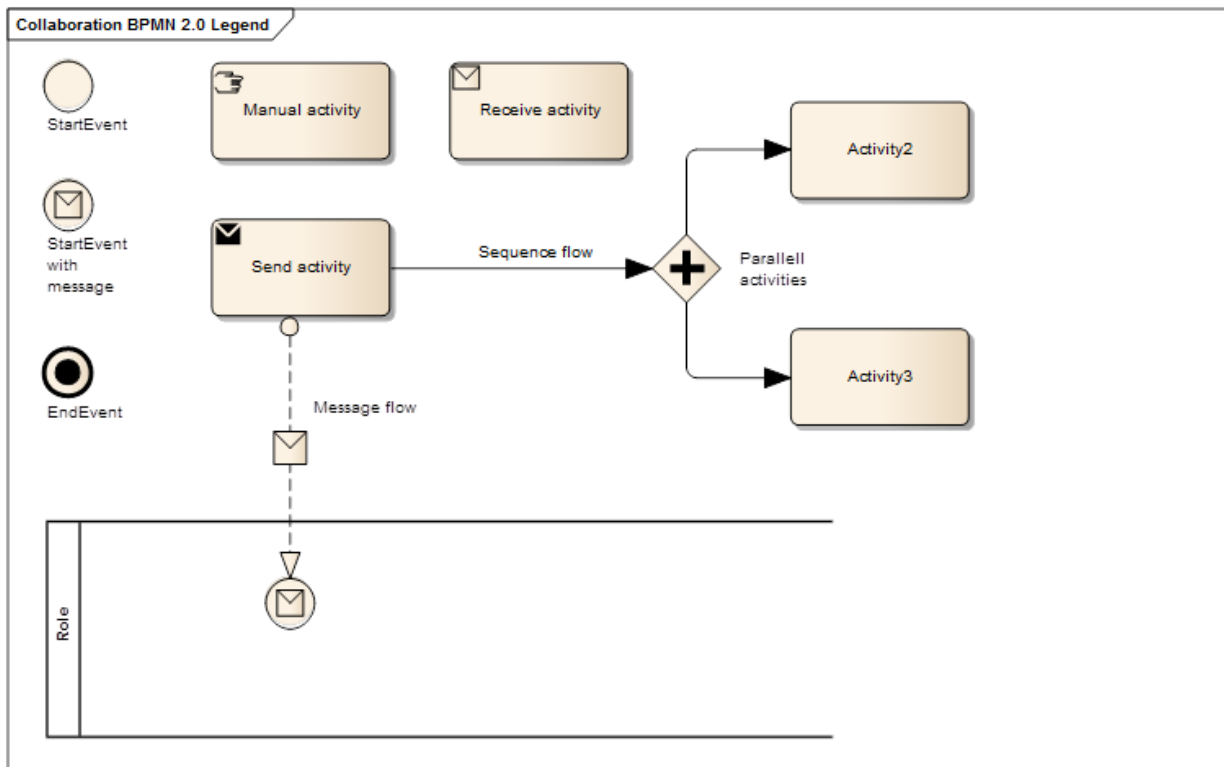
| ID | Requirement |
|-----------|--|
| tbr16-007 | Each despatch statement line should describe despatching of each order line. The line should provide reference to <ul style="list-style-type: none"> ➤ order line, ➤ delivered quantity, outstanding quantity (to be delivered on a different shipment). ➤ The line should provide for line note. |

| | |
|-----------|--|
| tbr16-008 | Each line should identify the product shipped so the receiver can verify its content. This may include <ul style="list-style-type: none">➤ Item name,➤ Seller id➤ Item standard id➤ Dates, such as best before date, manufacturing date, etc. |
| tbr16-009 | Each line should identify hazardous items that may require special handing during transport, receiving of goods and storage. |
| tbr16-010 | Each line may identify the transport handling unit for each item delivered. The handling units may have external marking or bar codes that - during reception of goods - allow tracking and locating package units that the goods are placed in. |

5 Process and typical scenarios

5.1 Legend for BPMN diagrams

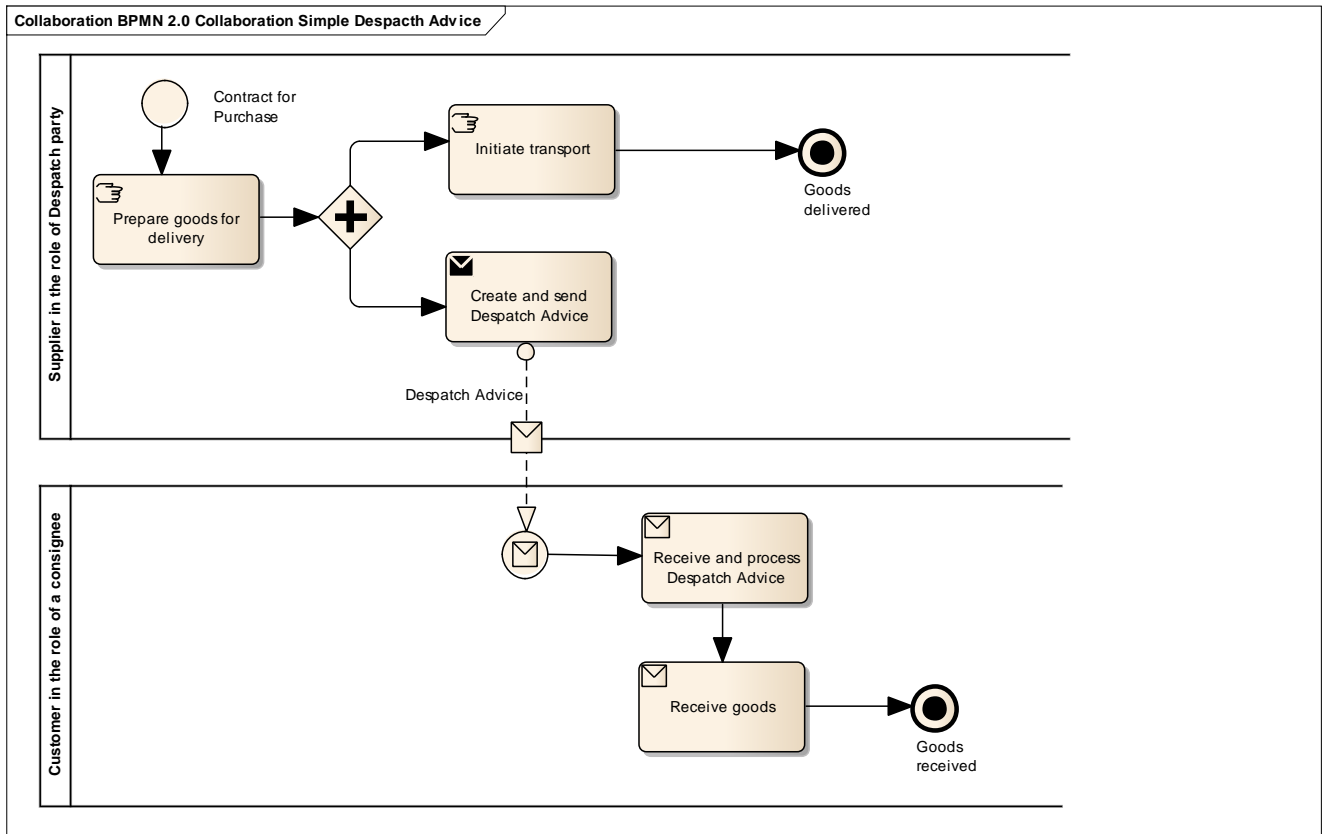
The diagrams are expressed in the BPMN notation. The diagram below serves as an explanation for the diagrams used in the process descriptions.



The following section and diagrams show the choreography of the business process involving various parties.

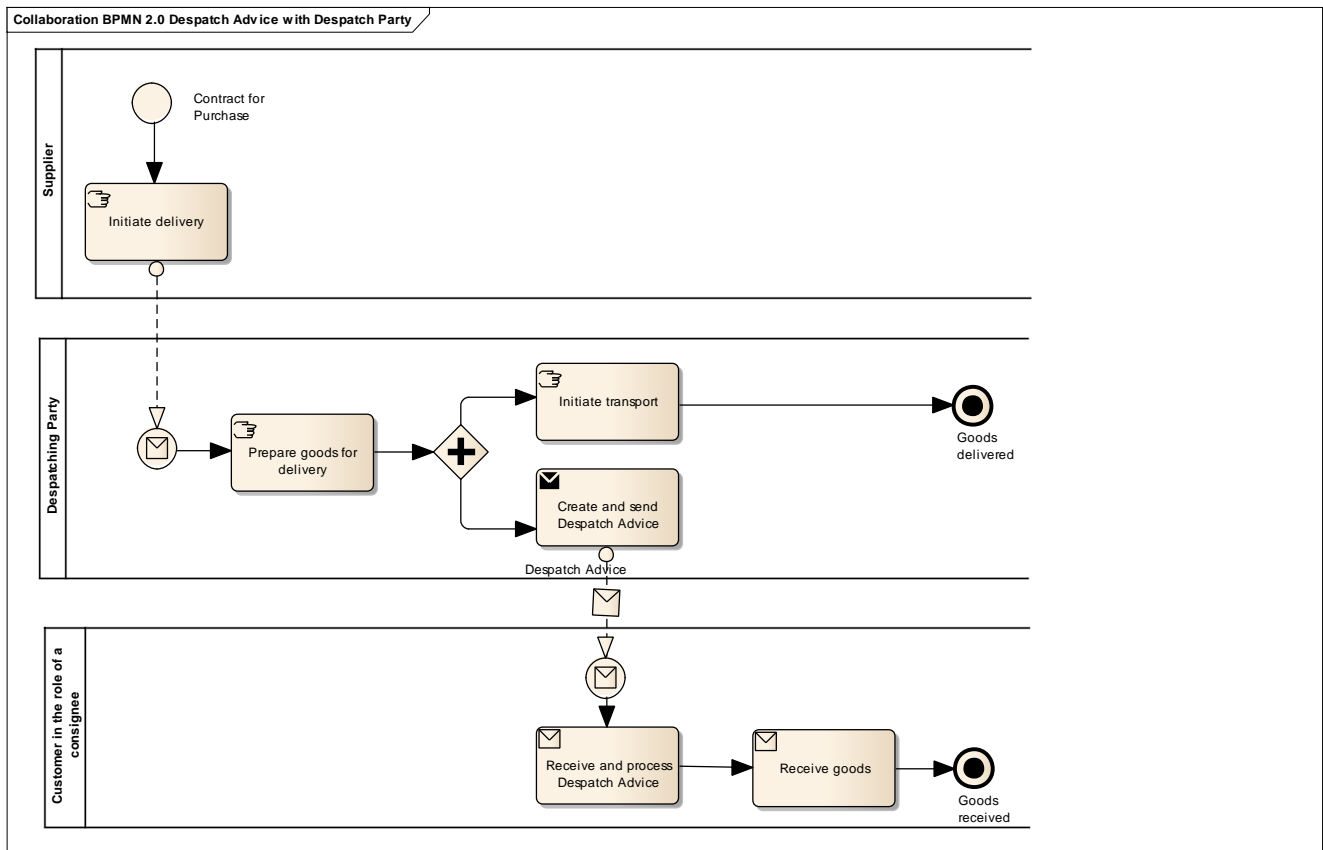
5.2 Simple process – two parties involved

Following the establishment of a contract for purchase the Supplier, in the role of Despatch party, delivers or provides the contracted goods or services to the customer, who has the role of a consignee.



5.3 More advanced process – use of Despatch party

The more advanced process is based on the simple process above with the addition of the Despatch party who is responsible for the physical preparation of the goods for delivery. This situation will typically occur when the supplier has outsourced the logistics function to another company.



5.4 Typical use cases

5.4.1 Use case 1 - Simple Despatch

This use case is a simple despatch where no handling units are used in the Despatch Advice. There are only two parties (legal entities) in this use case.

| | |
|-----------------------------|--|
| Use Case number | 1 |
| Use Case Name | Simple Despatch |
| Use Case Description | This use case is a simple despatch where no handling units are used in the Despatch Advice. There are only two parties (legal entities) in this use case. |
| Parties involved | Despatch party (In UBL: DespatchSupplierParty) (same legal entity as the Supplier/Seller in this use case) Consignee party (In UBL: DeliveryCustomerParty) (same legal entity as the Customer/Buyer in this use case) |
| Assumptions | <ol style="list-style-type: none"> The Seller has received one order from the Buyer with <ol style="list-style-type: none"> 2 lines (2 articles) to be delivered at one delivery address at the same time. The Seller has accepted the order without changes. The Despatch party delivers the complete order as accepted |
| The flow | <ol style="list-style-type: none"> The Seller collects the ordered articles The Seller loads the articles in boxes The Despatch party creates a Despatch advice message The Despatch party sends Despatch advice message to the Consignee The Consignee party receives the Despatch advice message The Consignee party uses the content in the Despatch advice message for registration receipt. <ol style="list-style-type: none"> Two despatch lines, two items (No handling units in the message) |
| Result | <ol style="list-style-type: none"> The Despatch advice message helped the Consignee party to prepare receipt <ol style="list-style-type: none"> At the right time At the right place (address) The Despatch advice message helped the Consignee party in the process of register receipt to identify the <ol style="list-style-type: none"> Order The order lines The articles The delivered quantity |
| XML example file | See Annex A for a sample file illustrating Use Case 1. |

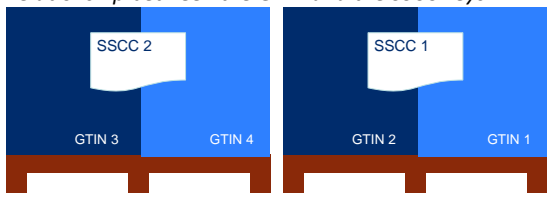
5.4.2 Use case 2 - Simple Despatch with outstanding quantity.

This use case is a simple Despatch where there are no transport handling units, but an outstanding quantity on line level. There are various examples on use of the outstanding quantity and outstanding reason. There are four parties (legal entities) in this use case.

| | |
|-----------------------------|---|
| Use Case number | 2 |
| Use Case Name | Simple Despatch with outstanding quantity |
| Use Case Description | This use case is a simple Despatch where there are no transport handling units, but an outstanding quantity on line level. There are various examples on use of the outstanding quantity and the outstanding reason. There are four parties (legal entities) in this use case. |
| Parties involved | Buyer (In UBL: BuyerCustomerParty) Seller (In UBL: SellerSupplierParty) Despatch party (In UBL: DespatchSupplierParty) (Different legal entity than the Seller in this use case) Consignee party (In UBL: DeliveryCustomerParty) (Different legal entity than the Buyer in this use case) |
| Assumptions | <ol style="list-style-type: none"> The Seller has received one order from the Buyer with <ol style="list-style-type: none"> 5 lines (5 different items) To be delivered at one delivery address At the same time. The Seller has accepted the order without changes. The Seller can't deliver the complete order as accepted. The first line contains the ordered quantity The second line contains a delivery of 6 of 10 ordered items. The remaining 4 items will be delivered in another Despatch. The third line contains a delivery of 6 of 10 ordered items. The remaining 4 items will not be delivered. The fourth line contains a delivery of 6 of 10 items. 3 items will be delivered in another Despatch and 1 item will not be delivered. The fifth line contains a delivery of 12 of 10 ordered items. |
| The flow | <ol style="list-style-type: none"> The Seller collects the ordered items The Seller loads the articles in boxes The Despatch party creates a Despatch advice message The Despatch party sends Despatch advice message to the Customer The Consignee party receives the Despatch advice message The Consignee party uses the content in Despatch advice message for registration receipt. <ol style="list-style-type: none"> Five Despatch lines with different articles, but a part of the articles related to line 2-5 is either outstanding or can't be delivered at all. (No handling units in the message) |
| Result | <ol style="list-style-type: none"> The Despatch advice message helped the Consignee party to prepare receipt <ol style="list-style-type: none"> At the right time At the right place (address) The Despatch advice message helped the Consignee party in the process of register receipt to identify the <ol style="list-style-type: none"> Order The order lines The items The delivered quantity The outstanding quantity to be delivered at a later time The outstanding quantity which will never be delivered |
| XML example file | See Annex A for a sample file illustrating Use Case 2. |

5.4.3 Use case 3 - Despatch with Logistic units using GS1 Keys

This use case is a refined use of the Despatch Advice where several GS1 keys are applied within the Despatch Advice to identify various entities in the despatch advice, namely; Parties, Endpoints, Shipment id, consignment ids, logistic unit ids and product identification.

| | |
|-----------------------------|---|
| Use Case number | 3 |
| Use Case Name | Despatch Advice with Logistic units using GS1 Keys |
| Use Case Description | <p>Describes a complete process whereby a Despatch party generates a Despatch Advice based on information about the order and the product.</p> <p>The Despatch Advice enables the supplier / carrier to provide detailed information about the content of a shipment and enables a Buyer to reconcile, or confirm, the physical shipment against the order; it provides a mirror of the shipment's packaging details and structure of the delivery.</p> <p>The Despatch Advice is sent by the Despatch party to the Consignee party when the goods are sent.</p> |
| Parties involved | <p>Despatch party (In UBL: DespatchSupplierParty) (Different legal entity than the Seller in this use case)</p> <p>Seller (In UBL: SellerSupplierParty)</p> <p>Consignee party (In UBL: DeliveryCustomerParty) (Different legal entity than the Buyer in this use)</p> <p>Buyer (In UBL: BuyerCustomerParty)</p> |
| Pre conditions | Master data alignment of locations (GLNs) and products (GTINs). |
| Post conditions | Despatch advice is received by the receiver of the goods. |
| Assumptions | <ol style="list-style-type: none"> The Despatch Advice has one shipment id (GSIN) assigned by the seller The Despatch Advice has one consignment id which has been assigned by the carrier (GINC) One delivery point (no cross docking) which is identified by a GLN. The four despatch lines are each an orderable unit – a GTIN. Two ordered units (GTINS) are packed on each pallet. There are two pallets in the shipment. Each standard pallet is assigned one logistics' unit id (SSCC). A logistics' label has been applied to each of the pallets where the SSCC is used rendered as clear text numbers, address details and GS1 128 barcode <p><i>Relationship between the GTIN and the SSCC keys</i></p>  |
| The flow | <p>The Seller has accepted the order without changes.</p> <ol style="list-style-type: none"> The Seller collects the ordered goods The ordered goods consist of one pallet per ordered 2 line items. The Despatch party loads the goods onto the transport. The Despatch party sends the Despatch advice to the Consignee The Consignee party receives the Despatch advice message The Consignee party uses the content in the Despatch advice message for registration receipt. |
| Result | <ol style="list-style-type: none"> The Despatch advice message helped the Consignee party to prepare for receipt of goods: <ol style="list-style-type: none"> At the right time At the right location (address) The Despatch advice helped the Consignee party in the process of receipt registration to identify the: <ol style="list-style-type: none"> Order The order lines |

| | |
|-------------------------|---|
| | <ul style="list-style-type: none"> c. The logistics' handling units d. The goods description e. The delivered quantity f. The parties involved in the process |
| XML example file | See Annex A for a sample file illustrating Use Case 3. |

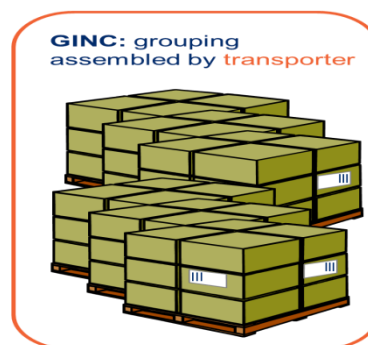
The following provides additional details and clarifications about the various keys and identifiers used in this Use Case, as well as the benefits implementers can obtain when using them. Ultimately there are two pictures clarifying the relationship between the GSIN and the GINC identifiers.

| | |
|--|---|
| Beneath are an overview and an explanation of the keys used in the Use Case. | |
| GLN: Global location number | Despatch party - Organizational identification. Despatch party - Endpoint identification Consignee - Organizational identification. Consignee - Endpoint identification Buyer - Organizational identification. Buyer - Endpoint identification. Seller - Organizational identification Seller - Endpoint identification. |
| SSCC: Serial Shipping Container Code | Each transport handling unit is assigned an SSCC. The SSCC is the GS1 Identification Key for an item of any composition established for transport and/or storage which needs to be managed through the supply chain. The SSCC is assigned for the life time of the transport item and is a mandatory element on the GS1 Logistic Label |
| GSIN: Global Shipment Identification Number | Shipment identification. One shipment number for the despatch advice. A document level id that specifies the number of the Shipment along the entire shipment, which, may consist of several consignments. <ul style="list-style-type: none"> • Number assigned by the seller to identify a logical grouping of logistic or transport units that are typically assembled by the seller for a transport shipment. • It meets the World Customs Organisation (WCO) requirement for a Unique Consignment Reference (UCR). It is endorsed by ISO/IEC 15459 (ISO License Plate) |
| GINC: Global Identification Number of Consignment | One consignment number for the Despatch Advice <ul style="list-style-type: none"> • Used to identify a logical grouping of logistic or transport units that are assembled to be transported under one transport document. • It is used to identify a logical grouping of logistic units during a specific journey of which there may be multiple consignment stages. |
| GTIN: Global trade Item Number | Each ordered item as a GTIN. Product identification. |

| | |
|---|---|
| Beneath are an overview of the benefits implementers can get when using the keys and identifiers. | |
| GTIN: Global trade Item Number | <ul style="list-style-type: none"> Correct goods and associated data have been sourced through upfront data alignment |
| GLN Global Location Number | <ul style="list-style-type: none"> Precise and trustworthy location data has been achieved through GS1 master data alignment location registers. |
| SSCC: Serial Shipping Container Code | <ul style="list-style-type: none"> Logistic units are individually identified with the SSCC (Serial Shipping Container Code) The item (goods) details accessed by scanning (bar code) or reading (EPC/RFID) the SSCC on the logistic unit and accessing the relevant information. The usage of the SSCC on a logistic unit is subject to rules, namely that multiple visible SSCCs on one logistics unit can only be used for transit purposes. <ul style="list-style-type: none"> If two or more SSCCs are applied on a logistics unit then the units associated to a given SSCC have to be individually wrapped or bound together to form individual logistics units. Multiple SSCCs can be applied to individual units on one logistic unit for subsequent cross docking but they HAVE to be wrapped so that they are not visible. Additionally, a master logistics label needs to be applied to the whole logistics unit for the consignment to the distribution center. |
| GSIN: Global Shipment Identification Number | <ul style="list-style-type: none"> A globally recognised shipping number used to uniquely identify the shipment as a whole as specified by the seller |
| GINC: Global Identification Number of Consignment | <ul style="list-style-type: none"> A globally recognised consignment number used to uniquely identify the consignment as specified by the shipper. |

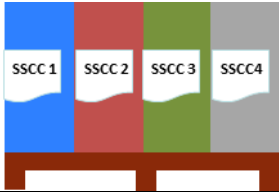
Supplementary clarification on the usage of the GSIN and the GINC.

Assembling of the keys:



5.4.4 Use case 4 - Despatch with weight, length and/or volume based items (ie vegetables, meat)

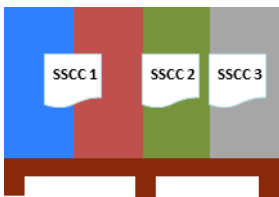
This use case demonstrates the use of the Despatch Advice, where the Seller is despatching items which are priced on weight, length and/or volume.

| | |
|-----------------------------|--|
| Use Case number | 4 |
| Use Case Name | Despatch with weight, length and/or volume based items (ie vegetables, meat) |
| Use Case Description | <p>This use case demonstrates the use of the Despatch Advice, where the Seller is despatching items which are priced on weight, length and/or volume. Therefore the weight, length or volume of the items is important. Transport handling units are used to indicate how the items are packed.</p> <p>The use case also demonstrates:</p> <ul style="list-style-type: none"> • The use of different party identifiers (GLN and Swedish organization number) • The use of ItemBestBeforeDate, ItemExpiryDate, ItemBatchNumber, ItemSerialNumbers, • The use of SSCC keys, • The use of ItemSellersIdentifier and ItemStandardIdentifier (GTIN). |
| Parties involved | <p>Despatch party (In UBL: DespatchSupplierParty) (same legal entity as the Supplier/Seller in this use case)</p> <p>Consignee party (In UBL: DeliveryCustomerParty) (same legal entity as the Customer/Buyer in this use case)</p> |
| Assumptions | <ol style="list-style-type: none"> 1. The Seller has received one order from the Buyer with <ol style="list-style-type: none"> a. 4 lines (4 items) which are priced by the weight b. To be delivered at one delivery address c. At the same time. 2. The Seller has accepted the order without changes. 3. The Seller delivers the complete order as accepted. 4. The items are in four separate transport handling units.  |
| The flow | <ol style="list-style-type: none"> 1. The Seller collects the ordered items 2. The Seller weighs the items. 3. The Seller loads the items into transport handling units (Boxes) 4. The Despatch party creates the Despatch Advice message 5. The Despatch party sends the Despatch Advice message to the Consignee 6. The Consignee party receives the Despatch Advice message 7. The Consignee party uses the content in the Despatch Advice message for registration receipt. <ol style="list-style-type: none"> a. Four despatch lines, four items. b. Handling units are identified using SSCC identifiers c. The delivered weight is used in the receipt activity (for verification) 8. The Consignee party uses the content in the Despatch Advice message for storing- and handling. <ol style="list-style-type: none"> a. Items can be stored by BestBeforeDate or ExpiryDate b. Items can be stored by batch and/or serial numbers c. Items can be handled according to the weight of the handling unit |
| Result | <ol style="list-style-type: none"> 1. The Despatch Advice message helped the Consignee party to prepare receipt <ol style="list-style-type: none"> a. At the right time b. At the right place (address) c. With appropriate storage facilities 2. The Despatch Advice message helped the Consignee party in the process of register receipt to identify the <ol style="list-style-type: none"> a. Order b. The order lines c. The transport handling units d. The items e. The delivered quantity/weight |

| | |
|-------------------------|--|
| XML example file | See Annex A for a sample file illustrating Use Case 4. |
|-------------------------|--|

5.4.5 Use case 5 – Advanced Despatch demonstrating most of the business terms

This use case is a relatively more complex use of the Despatch Advice which will demonstrate the use of most of the business terms available in the electronic Despatch Advice message.

| | |
|-----------------------------|--|
| Use Case number | 5 |
| Use Case Name | Advanced Despatch Advice demonstrating most of the business terms |
| Use Case Description | <p>This use case is a very complex use of the Despatch Advice which will demonstrate the use of all of the existing business terms available in the electronic Despatch advice message.</p> <p>The use case will also demonstrate different use of:</p> <ul style="list-style-type: none"> • Party identification • Item identification • Packages |
| Parties involved | <p>Buyer (In UBL: BuyerCustomerParty)</p> <p>Seller (In UBL: SellerSupplierParty)</p> <p>Despatch party (In UBL: DespatchSupplierParty) (Different legal entity than the Seller in this use case)</p> <p>Consignee party (In UBL: DeliveryCustomerParty) (Different legal entity than the Buyer in this use case)</p> <p>Originating party (In UBL: OriginatorCustomerParty)</p> |
| Assumptions | <ol style="list-style-type: none"> 1. The Seller party and Despatch party are different legal entities 2. The Buyer party and Consignee party are different legal entities 3. The Seller has received one order from the Buyer <ol style="list-style-type: none"> a. 5 order lines (5 items) b. Order line 4 is not delivered in this despatch c. The second Despatch line contains a delivery 6 of 10 ordered items. The remaining 4 items will be delivered in another despatch. d. The third Despatch line is weight based e. Order to be delivered at one delivery address f. At the same time. g. Despatch line 4 contain hazardous items 4. The Seller has accepted the order without changes 5. The Despatch party is responsible for the delivery and is using a carrier for the physical transportation 6. The items in the first and second line are in the same transport handling unit 7. The items in line three and four are in two separate transport handling units  |
| The flow | <ol style="list-style-type: none"> 1. The Seller collects the ordered items 2. The Seller loads the items into transport handling units (Boxes, crates, pallets etc.) 3. The Despatch party identifies all shipping details 4. The carrier picks up the goods for transport 5. The Despatch party creates the Despatch advice message 6. The Despatch party sends the Despatch advice message to the Consignee 7. The Consignee can use the tracking ID to track the shipment |

| | |
|-------------------------|--|
| | <ol style="list-style-type: none"> 8. The Consignee party receives the Despatch advice message 9. The carrier delivers the goods to the Consignee 10. The Consignee party uses the content in the Despatch advice message for registration receipt. <ol style="list-style-type: none"> a. Four Despatch lines, four items. b. Handling units are identified using SSCC identifiers 11. The Consignee party uses the content in the Despatch advice message for storing- and handling. <ol style="list-style-type: none"> a. Handling unit with Hazardous items are identified b. Items can be stored by best before date, by batch and serial number c. Items can be handled according to the weight of the handling unit |
| Result | <ol style="list-style-type: none"> 1. The Despatch advice message helped the Consignee party to prepare receipt <ol style="list-style-type: none"> a. At right time b. At the right place (address) c. With appropriate tools and storage facilities d. In a secure manner 2. The Despatch advice message helped the Consignee party in the process of register receipt to identify the <ol style="list-style-type: none"> a. Order b. The order lines c. The transport handling units d. The articles e. The delivered quantity/weight |
| XML example file | See Annex A for a sample file illustrating Use Case 5. |

6 Codelists

6.1 Codelists for coded elements

Table of the code lists used in the Despatch Advice transaction:

| Business Term | Source | Subset | Xpath | listID |
|---|-------------------|---|--|--|
| Country Code | ISO 3166-1 alpha2 | - | cac:Country/cbc:IdentificationCode | ISO3166-1:Alpha2 |
| Unit Of Measure | UN/ECE Rec 20 | - | @unitCode | UNECERec20 Note: Use this list identifier in the attribute unitCodeListID |
| UNDG Code | UN CL 8273 | - | cbc:UNDGCode | UNCL8273 |
| Transport Handling Unit Type Code | UN/ECE Rec 21 | - | cbc:TransportHandlingUnitTypeCode | UNECERec21 |
| Handling unit gross weight and Handling unit gross volume | UN CL 6313 | "AAB" for Unit gross weight "AAW" for Gross volume | cac:MeasurementDimension/ cbc:AttributeID | UNCL6313 (use attribute schemeID) |

ISO 3166-1 alpha2:

http://www.iso.org/iso/home/standards/country_codes.htm

UN/ECE Rec 20:

<http://www.unece.org/tradewelcome/areas-of-work/un-centre-for-trade-facilitation-and-e-business-uncefact/outputs/cefactrecommendationsrec-index/list-of-trade-facilitation-recommendations-n-16-to-20.html>

UN CL 8273

<http://www.unece.org/trade/untdid/d12b/tred/tred8273.htm>

UN CL 6313

<http://www.unece.org/trade/untdid/d12b/tred/tred6313.htm>

UN/ECE Rec 21

<http://www.unece.org/tradewelcome/areas-of-work/un-centre-for-trade-facilitation-and-e-business-uncefact/outputs/cefactrecommendationsrec-index/list-of-trade-facilitation-recommendations-n-21-to-24.html>

6.2 Codelists for identifier schemes

The table of the code lists below describes constraints for the values of schemeID for identifiers in the Despatch Advice transaction.

Use of attributes for identifiers:

schemeID indicates what type of identifier is used (for example the type of numbering system) **(Mandatory)**
schemeAgencyID indicates the agency responsible for issuing the ID (for example AgencyID 9 corresponding to GS1) **(Optional)**
schemeAgencyName the name of the Agency responsible for issuing the ID. **(Optional)**

| Business Term | Allowed SchemeID | Applicable Xpath | Note |
|------------------|---|--|------|
| Party Identifier | See “PEPPOL Policy for using Identifiers” | cbc:EndpointID/@schemeID cac:PartyIdentification/cbc:ID/@schemeID | |

7 Description of selected parts of the despatch advice message

7.1 Parties

The following parties/roles may be specified in the message. The same actor may play more than one role depending on the handling routine.

7.1.1 Despatch party (DespatchSupplierParty)

The Despatch Party is the person or organization who provides (despatch) the goods or services. The role is carried out by the supplier or on behalf of the supplier. (Despatch Party is sometimes known as the Consignor). The Despatch Party is mandatory information in the Despatch Advice message.

Example:

```
<cac:DespatchSupplierParty>
  <cac:Party>
    <cbc:EndpointID schemeID="DK:CVR">DK87654321</cbc:EndpointID>
    <cac:PartyIdentification>
      <cbc:ID schemeID="GLN" schemeAgencyID="9">3213213213243</cbc:ID>
    </cac:PartyIdentification>
    <cac:PartyName>
      <cbc:Name>Sender Company</cbc:Name>
    </cac:PartyName>
    <cac:Contact>
      <cbc:Name>John</cbc:Name>
      <cbc:Telephone>123456789</cbc:Telephone>
      <cbc:Telefax>8273741728</cbc:Telefax>
      <cbc:ElectronicMail>John@SenderCompany.dk</cbc:ElectronicMail>
    </cac:Contact>
  </cac:Party>
</cac:DespatchSupplierParty>
```

7.1.2 Consignee (DeliveryCustomerParty)

The Consignee is the person or organization to which the products will be shipped and who is taking possession. The role is carried out by the customer or on behalf of the customer. The Consignee is mandatory information in the Despatch Advice message.

Example:

```
<cac:DeliveryCustomerParty>
  <cac:Party>
    <cbc:EndpointID schemeID="DK:CVR">DK12345678</cbc:EndpointID>
    <cac:PartyIdentification>
      <cbc:ID schemeID="GLN" schemeAgencyID="9">1231412341323</cbc:ID>
    </cac:PartyIdentification>
    <cac:PartyName>
      <cbc:Name>Reciever Company</cbc:Name>
    </cac:PartyName>
    <cac:PostalAddress>
      <cbc:ID>25</cbc:ID>
      <cbc:StreetName>Reciever Street 1</cbc:StreetName>
      <cbc:AdditionalStreetName>Reciever Building</cbc:AdditionalStreetName>
      <cbc:CityName>Reciever City</cbc:CityName>
      <cbc:PostalZone>9000</cbc:PostalZone>
      <cbc:CountrySubentity>Region A</cbc:CountrySubentity>
    </cac:PostalAddress>
  </cac:Party>
</cac:DeliveryCustomerParty>
```

```

1:Alpha2">DK</cbc:IdentificationCode>
    </cac:Country>
  </cac:PostalAddress>
</cac:Party>
<cac:DeliveryContact>
  <cbc:Name>Tim</cbc:Name>
  <cbc:Telephone>987654321</cbc:Telephone>
  <cbc:Telefax>4546474849</cbc:Telefax>
  <cbc:ElectronicMail>Tim@ReceiverCompany.dk</cbc:ElectronicMail>
</cac:DeliveryContact>
</cac:DeliveryCustomerParty>

```

7.1.3 Buyer (BuyerCustomerParty)

The buyer is the legal person or organization who buys or purchases the goods or services. The role is carried out by the customer or on behalf of the customer.
The Buyer is optional information in the Despatch Advice message.

Example:

```

<cac:BuyerCustomerParty>
  <cac:Party>
    <cac:PartyIdentification>
      <cbc:ID schemeID="GLN" schemeAgencyID="9">1251513513245</cbc:ID>
    </cac:PartyIdentification>
    <cac:PartyName>
      <cbc:Name>Buyer Company</cbc:Name>
    </cac:PartyName>
  </cac:Party>
</cac:BuyerCustomerParty>

```

7.1.4 Seller (SellerSupplierParty)

The seller is the legal person or organization who sells goods or services to the customer. The role is carried out by the supplier or on behalf of the supplier. The Seller is optional information in the Despatch Advice message.

Example:

```

<cac:SellerSupplierParty>
  <cac:Party>
    <cac:PartyIdentification>
      <cbc:ID schemeID="GLN" schemeAgencyID="9">1231612366324</cbc:ID>
    </cac:PartyIdentification>
    <cac:PartyName>
      <cbc:Name>Seller Company</cbc:Name>
    </cac:PartyName>
    <cac:Contact>
      <cbc:Name>Allan</cbc:Name>
      <cbc:Telephone>43444546</cbc:Telephone>
      <cbc:Telefax>12345678</cbc:Telefax>
      <cbc:ElectronicMail>Allan@SellerCompany.dk</cbc:ElectronicMail>
    </cac:Contact>
  </cac:Party>
</cac:SellerSupplierParty>

```

7.1.5 Originating party (OriginatorCustomerParty)

The party who will eventually receive and consume the goods and on whose behalf the buyer makes the purchase. The Originator Party is optional information in the Despatch Advice message.

Example:

```

<cac:OriginatorCustomerParty>

```

```
<cac:Party>
  <cac:PartyIdentification>
    <cbc:ID schemeID="GLN" schemeAgencyID="9">1234415341925</cbc:ID>
  </cac:PartyIdentification>
  <cac:PartyName>
    <cbc:Name>Originator</cbc:Name>
  </cac:PartyName>
</cac:Party>
</cac:OriginatorCustomerParty>
```

7.1.6 Example of party identifiers

This section contains examples of party identifiers. See the openPEPPOL “Policy for use of Identifiers” for the complete list of identifier schemes.

7.1.6.1 Using Swedish organization number as PartyIdentification

In Sweden parties often are identified by a company organization number. This can be used for all parties.

```
<cac:PartyIdentification>
  <cbc:ID schemeID="SE:ORGNR">5541277711</cbc:ID>
</cac:PartyIdentification>
```

7.1.6.2 Using Norwegian organization number as PartyIdentification

In Norway parties often are identified by a company organization number. This can be used for all parties.

```
<cac:PartyIdentification>
  <cbc:ID schemeID="NO:ORGNR">987654321</cbc:ID>
</cac:PartyIdentification>
```

7.1.6.3 Using Danish organization number as PartyIdentification

In Denmark parties often are identified by a company organization number. This can be used for all parties.

```
<cac:PartyIdentification>
  <cbc:ID schemeID="DK:CVR">DK16356706</cbc:ID>
</cac:PartyIdentification>
```

7.1.6.4 Using Italian VAT-number as PartyIdentification

In Italy parties often are identified by their VAT-number. This can be used for all parties.

```
<cac:PartyIdentification>
  <cbc:ID schemeID="IT:VAT">IT01234567890</cbc:ID>
</cac:PartyIdentification>
```

7.2 Order reference

Used to provide a reference to the purchase order on which the Despatch Advice is based. There may be multiple Despatch Advices to cover one purchase order. Each Despatch Advice relates to one purchase order. The reference to Order Line-ID is required in the UBL syntax. To cater for scenarios where no order line reference exist a dummy value must be applied. The dummy value must consist of the characters **NA**.

Example header level:

```
<cac:OrderReference>
  <cbc:ID>4321</cbc:ID>
</cac:OrderReference>
```

Example Line level:

```
<cac:OrderLineReference>
  <cbc:LineID>5</cbc:LineID>
</cac:OrderLineReference>
```

Or

```
<cac:OrderLineReference>
  <cbc:LineID>NA</cbc:LineID>
</cac:OrderLineReference>
```

7.3 Shipment

Description of the actual shipment that contains the goods that are being despatched.

7.3.1 Shipment ID

In some uses of the Despatch Advice, there is no unique identifier assigned to the shipment. However, the UBL syntax requires the Shipment ID. Consequently, to be able to use elements such as GrossWeightMeasure or CarrierParty, the Shipment/ID must be filled in. To cater for scenarios where no ID exist a dummy value must be applied. The dummy value must consist of the characters **NA**.

Example:

```
<cac:Shipment>
  <cbc:ID>NA</cbc:ID>
  <cbc:Information>Free text information relating to the Shipment</cbc:Information>
  <cbc:GrossWeightMeasure unitCode="KGM"
unitCodeListID="UNECERec20">23</cbc:GrossWeightMeasure>
  <cbc:GrossVolumeMeasure unitCode="MTQ"
unitCodeListID="UNECERec20">27</cbc:GrossVolumeMeasure>
  <cac:Consignment>
    <cbc:ID>12345</cbc:ID>
    <cac:CarrierParty>
      <cac:PartyName>
        <cbc:Name>CarrierPart</cbc:Name>
      </cac:PartyName>
    </cac:CarrierParty>
  </cac:Consignment>
  <cac:Delivery>
    <cac:EstimatedDeliveryPeriod>
      <cbc:StartDate>2013-03-15</cbc:StartDate>
      <cbc:StartTime>08:00:00</cbc:StartTime>
      <cbc:EndDate>2013-03-16</cbc:EndDate>
      <cbc:EndTime>12:00:00</cbc:EndTime>
    </cac:EstimatedDeliveryPeriod>
    <cac:Despatch>
      <cbc:ActualDespatchDate>2013-03-13</cbc:ActualDespatchDate>
      <cbc:ActualDespatchTime>08:00:00</cbc:ActualDespatchTime>
```

```

        </cac:Despatch>
    </cac:Delivery>
</cac:Shipment>

```

7.4 Despatch line

Description of items that are being despatched.

7.4.1 Item description and identification

Each despatch line contains elements for description and identification of the item. Normally only one of the identifiers is needed in the message.

Example:

```

<cac:Item>
    <cbc:Name>Item123</cbc:Name>
    <cac:SellersItemIdentification>
        <cbc:ID>010120401</cbc:ID>
    </cac:SellersItemIdentification>
    <cac:StandardItemIdentification>
        <cbc:ID schemeID="GTIN" schemeAgencyID="9" schemeAgencyName="GS1">7611104117056</cbc:ID>
    </cac:StandardItemIdentification>
</cac:Item>

```

7.4.2 Outstanding quantity

The outstanding element on the Despatch line is both used to signal the outstanding quantity and to inform about delivery discrepancies.

The handling of “The outstanding quantity which will never be delivered” is done like this: The amount that is declared in the element OutstandingQuantity is equivalent to the amount that will be delivered in a later Despatch. This implicitly means that the missing items that are NOT declared in the OutstandingQuantity cant or will not will be delivered.

Example 1:

10 items are ordered, 6 items are delivered and the rest of 4 items will be delivered later:
Quantity ordered: 10
Quantity delivered: 6
Outstanding quantity: 4

```

<cbc:DeliveredQuantity unitCode="EA" unitCodeListID="UNECERec20">6</cbc:DeliveredQuantity>
<cbc:OutstandingQuantity unitCode="EA" unitCodeListID="UNECERec20">4</cbc:OutstandingQuantity>

```

Example 2:

10 items are ordered. 6 items are delivered and the rest of 4 items will NOT be delivered:
Quantity ordered: 10
Quantity delivered: 6
Outstanding quantity: 0

```

<cbc:DeliveredQuantity unitCode="EA" unitCodeListID="UNECERec20">6</cbc:DeliveredQuantity>
<cbc:OutstandingQuantity unitCode="EA" unitCodeListID="UNECERec20">0</cbc:OutstandingQuantity>

```

Example 3:

10 items are ordered. 6 items are delivered and 3 will be delivered later and 1 item will NOT be delivered:
Quantity ordered: 10

Quantity delivered: 6
Outstanding quantity: 3

```
<cbc:DeliveredQuantity unitCode="EA" unitCodeListID="UNECERec20">6</cbc:DeliveredQuantity>
<cbc:OutstandingQuantity unitCode="EA" unitCodeListID="UNECERec20">3</cbc:OutstandingQuantity>
```

Ref. use case 2 above.

7.4.3 Hazardous item

The PEPPOL Despatch Advice also contains the possibility to inform the Consignee about Hazardous Items. This is done by informing the dangerous regulation code for example ADR (Road transport), IMDG (transport by sea) or RID (railroad transport). When declaring hazardous items it is recommended to use the UNDG code to inform about the convention the item is declared hazardous under. When the UNDG code has been declared the Hazard class is declared. The Hazard class corresponds to the hazardous class of the item for example class 2.3 which indicates Poisonous Gas.

Additionally it is important to state that the transport handling unit is containing Hazardous risks. See beneath for an example of declaring hazardous items.

```
<cac:HazardousItem>
  <cbc:UNDGCode listID="UNCL8273" >ADR</cbc:UNDGCode>
  <cbc:HazardClassID>2.3</cbc:HazardClassID>
</cac:HazardousItem>
<cac:Shipment>
  <cbc:ID>NA</cbc:ID>
  <cac:TransportHandlingUnit>
    <cbc:HazardousRiskIndicator>true</cbc:HazardousRiskIndicator>
  </cac:TransportHandlingUnit>
</cac:Shipment>
```

7.4.4 Serial numbers

If each of the delivered items is marked with an individual serial number, these numbers may be sent in the Despatch Advice on Item level.

```
<cac:Item>
  <cac:ItemInstance>
    <cbc:SerialID>OR250RHZ444</cbc:SerialID>
  </cac:ItemInstance>
  <cac:ItemInstance>
    <cbc:SerialID>OR250RHZ4445</cbc:SerialID>
  </cac:ItemInstance>
  <cac:ItemInstance>
    <cbc:SerialID>OR250RHZ4446</cbc:SerialID>
  </cac:ItemInstance>
</cac:Item>
```

7.4.5 Batch/Lot numbers, Expiry Date and Best Before Date

The Batch number (Lot number) applies to all items in the despatch line.

Expiry date is used for medical drugs.

Best before date is often used for food.

Example 1:

```
<cac:ItemInstance>
```

```
<cac:LotIdentification>
  <cbc:LotNumberID>898A129</cbc:LotNumberID>
  <cbc:ExpiryDate>2015-07-01</cbc:ExpiryDate>
</cac:LotIdentification>
</cac:ItemInstance>
```

Example 2:

```
<cac:ItemInstance>
  <cbc:BestBeforeDate>2015-04-15</cbc:BestBeforeDate>
</cac:LotIdentification>
</cac:ItemInstance>
```

7.4.6 Transport handling unit

The items on a Despatch line may be packed in several transport handling units which are the physical handling units such as box, container, pallet, etc. containing the consignment.

Serial shipping container code (SSCC) issued by GS1 may be used to identify the transport handling unit. Note that the same physical handling unit may contain items from different despatch lines. Implemented by referencing the same SSCC code in the ID element of the TransportHandlingUnit on several despatch lines.

Example:

```
<cac:TransportHandlingUnit>
  <cbc:ID schemeID="SSCC" schemeAgencyName="GS1">123456789012345675</cbc:ID>
  <cbc:TransportHandlingUnitTypeCode listID="UNECERec21">CT
</cbc:TransportHandlingUnitTypeCode>
  <cbc:ShippingMarks>Free text information that is written/printed on to the transport handling unit
</cbc:ShippingMarks>
  <cac:MeasurementDimension>
    <cbc:AttributeID schemeID="UNCL6313">AAB</cbc:AttributeID>
    <cbc:Measure unitCode="KGM">23.00</cbc:Measure>
  </cac:MeasurementDimension>
</cac:TransportHandlingUnit>
```

8 Despatch Advice Business Rules

8.1 Business rules

| Rule ID | Rule | Target | Error level |
|---------------|--|----------------------|-------------|
| BII2-T16-R009 | A consignee party SHOULD have the party name or a party identifier | Consignee Party | warning |
| BII2-T16-R001 | A despatch advice MUST have a customization identifier | despatch advice | fatal |
| BII2-T16-R002 | A despatch advice MUST have a profile identifier | despatch advice | fatal |
| BII2-T16-R003 | A despatch advice MUST have a document identifier | despatch advice | fatal |
| BII2-T16-R004 | A despatch advice MUST have a document issue date | despatch advice | fatal |
| BII2-T16-R005 | A despatch advice SHOULD have an order identifier | despatch advice | warning |
| BII2-T16-R006 | A despatch advice MUST have a Despatch party | despatch advice | fatal |
| BII2-T16-R008 | A despatch advice MUST have a consignee party | despatch advice | fatal |
| BII2-T16-R012 | A despatch advice MUST have at least one despatch advice line | despatch advice | fatal |
| BII2-T16-R013 | Each despatch advice line MUST have a despatch line identifier that is unique within the despatch advice | despatch advice Line | fatal |
| BII2-T16-R016 | Each despatch advice line MUST have an item identifier and/or an item name | despatch advice Line | fatal |
| BII2-T16-R017 | Each despatch advice line SHOULD have a delivered quantity | despatch advice Line | warning |
| BII2-T16-R019 | Each despatch advice line delivered quantity MUST not be negative | despatch advice Line | fatal |
| BII2-T16-R020 | Each despatch advice line delivered quantity SHOULD have an associated unit of measure | despatch advice Line | warning |
| BII2-T16-R021 | An outstanding quantity reason SHOULD be provided if the despatch line contains an outstanding quantity | despatch advice Line | warning |
| BII2-T16-R011 | Shipment identifier MUST be provided if the despatch advice contains shipment information | despatched shipment | fatal |
| BII2-T16-R007 | A Despatch party SHOULD have the Despatch party name | Despatch Party | warning |
| BII2-T16-R018 | An item standard identifier MUST have an identification schema (e.g. GTIN) | Item | fatal |
| OP-T16-R001 | A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2". | despatch advice | fatal |
| OP-T16-R002 | A unit code attribute MUST have a unit code list identifier attribute "UNECERec20" | despatch advice | fatal |
| OP-T16-R003 | A UNDG code MUST have a list identifier attribute "UNCL8273" | despatch advice | fatal |
| OP-T16-R004 | A transport handling unit type code MUST have a list identifier attribute "UNECERec21". | despatch advice | fatal |
| OP-T16-R005 | An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers. | despatch advice | Fatal |
| OP-T16-R006 | A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers | despatch advice | fatal |
| OP-T16-R007 | The handling unit measure AttributeID MUST be of value "AAB" for Unit gross weight or "AAW" for Gross volume | Handling unit | fatal |

9 Message structure and information content

9.1 Technical parameters

9.1.1 UBL Version ID

This BIS is using the UBL 2.1 syntax. The namespace of the XML-message does only communicate the major version number. Since it is important for the receiver to also know what minor version of the syntax that is used, the element UBLVersionID must be stated with the value **2.1**.

9.1.2 Profile ID

The ProfileID identifies the process the business document is part of. PEPPOL BIS uses the identification system according to BII:

ProfileID: urn:www.cenbii.eu:profile:bii30:ver2.0

9.1.3 Customization ID

The Customization identifies the specification of content and rules that apply to the transaction. This BIS has required some minor additions and changes to the CEN BII transaction. Following the CENBII methodology any extension must be communicated by adding an extension ID onto the Customization ID.

Original CustomizationID: urn:www.cenbii.eu:transaction:biitrns016:ver1.0

OpenPEPPOL ExtensionID: urn:www.peppol.eu:bis:peppol30a:ver1.0

CustomizationID to use:

urn:www.cenbii.eu:transaction:biitrns016:ver1.0:extended:urn:www.peppol.eu:bis:peppol30a:ver1.0

9.1.4 Namespaces

The target namespace for the UBL2.1 Despatch Advice is:

urn:oasis:names:specification:ubl:schema:xsd:DespatchAdvice-2

9.2 XML Schema Guideline and information content

Structure

| Occurrence | Element/Attribute | BII Business Term | Info req. |
|-----------------------|----------------------------------|------------------------------------|--------------|
| DespatchAdvice | | | |
| 1 .. 1 | cbc:UBLVersionID | | |
| 1 .. 1 | cbc:CustomizationID | Customization identifier | tir16-002 |
| 1 .. 1 | cbc:ProfileID | Profile identifier | tir16-001 |
| 1 .. 1 | cbc:ID | Document identifier | tir16-003 |
| 1 .. 1 | cbc:IssueDate | Despatch advice issue date | tir16-004 |
| 0 .. 1 | cbc:IssueTime | Despatch advice issue time | tir16-005 |
| 0 .. 1 | cbc:Note | Despatch note | tir16-088 |
| 0 .. 1 | cac:OrderReference | | |
| 1 .. 1 | cbc:ID | Order reference | tir16-006 |
| 1 .. 1 | cac:DespatchSupplierParty | | |
| 1 .. 1 | cac:Party | | |
| 0 .. 1 | cbc:EndpointID | Electronic address identifier | tir16-071 |
| 0 .. 1 | cac:PartyIdentification | | |
| 1 .. 1 | cbc:ID | Despatching party identifier | op-tir16-001 |
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Despatching party name | tir16-007 |
| 0 .. 1 | cac:Contact | | |
| 0 .. 1 | cbc:Name | Contact person name | tir16-008 |
| 0 .. 1 | cbc:Telephone | Contact telephone number | tir16-012 |
| 0 .. 1 | cbc:Telefax | Contact fax number | tir16-010 |
| 0 .. 1 | cbc:ElectronicMail | Contact email address | tir16-013 |
| 1 .. 1 | cac:DeliveryCustomerParty | | |
| 1 .. 1 | cac:Party | | |
| 0 .. 1 | cbc:EndpointID | Consignee party identifier | tir16-016 |
| 0 .. 1 | cac:PartyIdentification | | |
| 1 .. 1 | cbc:ID | Consignee party identifier | tir16-015 |
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Consignee party name | tir16-014 |
| 0 .. 1 | cac:PostalAddress | | |
| 0 .. 1 | cbc:ID | Consignee party address identifier | tir16-017 |
| 0 .. 1 | cbc:StreetName | Address line 1 | tir16-018 |
| 0 .. 1 | cbc:AdditionalStreetName | Address line 2 | tir16-019 |
| 0 .. 1 | cbc:CityName | City | tir16-020 |
| 0 .. 1 | cbc:PostalZone | Post code | tir16-021 |
| 0 .. 1 | cbc:CountrySubentity | Country subdivision | tir16-022 |
| 0 .. 1 | cac:Country | | |
| 1 .. 1 | cbc:IdentificationCode | Country code | tir16-023 |
| 0 .. 1 | cac:DeliveryContact | | |
| 0 .. 1 | cbc:Name | Contacting details | tir16-024 |
| 0 .. 1 | cbc:Telephone | Contact telephone number | tir16-027 |
| 0 .. 1 | cbc:Telefax | Contact fax number | tir16-026 |
| 0 .. 1 | cbc:ElectronicMail | Contact email address | tir16-028 |
| 0 .. 1 | cac:BuyerCustomerParty | | |
| 1 .. 1 | cac:Party | | |
| 0 .. 1 | cac:PartyIdentification | | |
| 1 .. 1 | cbc:ID | Buying party identifier | tir16-030 |
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Buying party name | tir16-029 |
| 0 .. 1 | cac:SellerSupplierParty | | |
| 1 .. 1 | cac:Party | | |
| 0 .. 1 | cac:PartyIdentification | | |
| 1 .. 1 | cbc:ID | Selling party identifier | tir16-066 |

Bold = Simple Element, Blue = Complex Element

| Occurrence | Element/Attribute | BII Business Term | Info req. |
|----------------|--|--|--------------|
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Selling party name | tir16-065 |
| 0 .. 1 | cac:Contact | | |
| 0 .. 1 | cbc:Name | Contact person name | tir16-067 |
| 0 .. 1 | cbc:Telephone | Contact telephone number | tir16-069 |
| 0 .. 1 | cbc:Telefax | Contact fax number | tir16-068 |
| 0 .. 1 | cbc:ElectronicMail | Contact email address | tir16-070 |
| 0 .. 1 | cac:OriginatorCustomerParty | | |
| 1 .. 1 | cac:Party | | |
| 0 .. 1 | cac:PartyIdentification | | |
| 1 .. 1 | cbc:ID | Originating party identifier | tir16-032 |
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Originating party name | tir16-031 |
| 0 .. 1 | cac:Shipment | | |
| 1 .. 1 | cbc:ID | Shipment identifier | tir16-038 |
| 0 .. 1 | cbc:Information | Shipment description | tir16-039 |
| 0 .. 1 | cbc:GrossWeightMeasure | Shipment gross weight | tir16-074 |
| 0 .. 1 | cbc:GrossVolumeMeasure | Shipment gross volume | tir16-075 |
| 0 .. 1 | cbc: TotalTransportHandlingUnitQuantity | Total number of transport handling units | op-tir16-002 |
| 0 .. 1 | cac:Consignment | | |
| 1 .. 1 | cbc:ID | Consignment identifier | tir16-040 |
| 0 .. 1 | cbc:Information | Vehicle description | tir16-077 |
| 0 .. 1 | cac:CarrierParty | | |
| 0 .. 1 | cac:PartyName | | |
| 1 .. 1 | cbc:Name | Carrier name | tir16-076 |
| 0 .. 1 | cac:Person | | |
| 1 .. 1 | cac:IdentityDocumentReference | | |
| 1 .. 1 | cbc:ID | Driver information | tir16-078 |
| 0 .. 1 | cbc:DocumentType | Driver identification document type | op-tir16-009 |
| 0 .. 1 | cac:Delivery | | |
| 0 .. 1 | cbc:TrackingID | Delivery tracking identifier | tir16-041 |
| 0 .. 1 | cac:EstimatedDeliveryPeriod | | |
| 0 .. 1 | cbc:StartDate | Period start date | tir16-042 |
| 0 .. 1 | cbc:StartTime | Period start time | tir16-043 |
| 0 .. 1 | cbc:EndDate | Period end date | tir16-044 |
| 0 .. 1 | cbc:EndTime | Period end time | tir16-045 |
| 0 .. 1 | cac:Despatch | | |
| 0 .. 1 | cbc:ActualDespatchDate | Shipment dispatch date | tir16-072 |
| 0 .. 1 | cbc:ActualDespatchTime | Shipment dispatch time | tir16-073 |
| 0 .. 1 | cac:DespatchAddress | | |
| 0 .. 1 | cbc:ID | | |
| 0 .. 1 | cbc:StreetName | Address line 1 | op-tir16-003 |
| 0 .. 1 | cbc:AdditionalStreetName | Address line 2 | op-tir16-004 |
| 0 .. 1 | cbc:CityName | City | op-tir16-005 |
| 0 .. 1 | cbc:PostalZone | Post code | op-tir16-006 |
| 0 .. 1 | cbc:CountrySubentity | Country subdivision | op-tir16-007 |
| 0 .. 1 | cac:Country | | |
| 1 .. 1 | cbc:IdentificationCode | Country code | op-tir16-008 |
| 1 .. unbounded | cac:DespatchLine | | |
| 1 .. 1 | cbc:ID | Despatch line identifier | tir16-046 |
| 0 .. 1 | cbc:Note | Despatch line note | tir16-047 |
| 1 .. 1 | cbc:DeliveredQuantity | Delivered quantity | tir16-048 |
| 0 .. 1 | cbc:OutstandingQuantity | Outstanding quantity | tir16-049 |
| 0 .. 1 | cbc:OutstandingReason | Outstanding quantity reason | tir16-050 |

Bold = Simple Element, Blue = Complex Element

| Occurrence | Element/Attribute | BII Business Term | Info req. |
|-----------------------|---------------------------------------|------------------------------------|-----------|
| 1 .. 1 | cac:OrderLineReference | | |
| 1 .. 1 | cbc:LineID | Order line reference | tir16-051 |
| 1 .. 1 | cac:Item | | |
| 0 .. 1 | cbc:Name | Item name | tir16-052 |
| 0 .. 1 | cac:SellersItemIdentification | | |
| 1 .. 1 | cbc:ID | Item sellers identifier | tir16-053 |
| 0 .. 1 | cbc:ExtendedID | Item sellers extended identifier | tir16-054 |
| 0 .. 1 | cac:StandardItemIdentification | | |
| 1 .. 1 | cbc:ID | Item standard identifier | tir16-055 |
| 0 .. 1 | cbc:ExtendedID | Item standard extended identifier | tir16-056 |
| 0 .. unbounded | cac:HazardousItem | | |
| 0 .. 1 | cbc:UNDGCode | Haszardous item UNDG code | tir16-057 |
| 0 .. 1 | cbc:HazardClassID | Haszardous hazard class Identifier | tir16-058 |
| 0 .. unbounded | cac:ItemInstance | | |
| 0 .. 1 | cbc:ManufactureDate | Item manufactured date | tir16-079 |
| 0 .. 1 | cbc:BestBeforeDate | Item best before date | tir16-080 |
| 0 .. 1 | cbc:SerialID | Item serial numbers | tir16-083 |
| 0 .. 1 | cac:LotIdentification | | |
| 0 .. 1 | cbc:LotNumberID | Item batch number | tir16-082 |
| 0 .. 1 | cbc:ExpiryDate | Item expiry date | tir16-081 |
| 0 .. 1 | cac:Shipment | | |
| 1 .. 1 | cbc:ID | | |
| 0 .. unbounded | cac:TransportHandlingUnit | | |
| 0 .. 1 | cbc:ID | Handling unit identifier | tir16-061 |
| 0 .. 1 | cbc:TransportHandlingUnitTypeCode | Handling unit type | tir16-085 |
| 0 .. 1 | cbc:HazardousRiskIndicator | Handling unit hazardous indicator | tir16-062 |
| 0 .. 1 | cbc:ShippingMarks | Handling unit shipping marks | tir16-064 |
| 0 .. unbounded | cac:MeasurementDimension | | |
| 1 .. 1 | cbc:AttributeID | | |
| 0 .. 1 | cbc:Measure | Handling unit gross weight | tir16-086 |
| | | Handling unit gross volume | tir16-087 |

Bold = Simple Element, Blue = Complex Element

| Element/Attribute | Description | | Usage | |
|-----------------------|--|--|--------------------------------------|---|
| DespatchAdvice | Type | DespatchAdviceType | | |
| cbc:UBLVersionID | Occurence Type | 1 .. 1 cbc:UBLVersionIDType | | |
| | XML Note | Must be value "2.1". | | |
| cbc:CustomizationID | Occurence Type Info req.ID | 1 .. 1 cbc:CustomizationIDType tir16-002 | Term name BII Usage | Customization identifier <i>Identifies the specification of content and rules that apply to the transaction.</i> |
| | XML Note | Must be urn:www.cenbii.eu:transaction:bii30:ver1.0:extended:urn:www.peppol.eu:bis:peppol30a:ver1.0 | Rules | BII2-T16-R001 - A despatch advice MUST have a customization identifier |
| schemeID | Type Use | xs:normalizedString optional | | |
| cbc:ProfileID | Occurence Type Info req.ID | 1 .. 1 cbc:ProfileIDType tir16-001 | Term name BII Usage | Profile identifier <i>Identifies the BII profile or business process context in which the transaction appears.</i> |
| | XML Note | Must be urn:www.cenbii.eu:profile:bii30:ver2.0 | Rules | BII2-T16-R002 - A despatch advice MUST have a profile identifier |
| schemeID | Type Use | xs:normalizedString optional | | |
| cbc:ID | Occurence Type Info req.ID Bus req.ID | 1 .. 1 cbc:IDType tir16-003 tbr16-016 | Term name BII Usage | Document identifier <i>An transaction instance must contain an identifier. The identifier enables positive referencing the document instance for various purposes including referencing between transactions that are part of the same process.</i> |
| | | | Rules | BII2-T16-R003 - A despatch advice MUST have a document identifier |
| cbc:IssueDate | Occurence Type Info req.ID Bus req.ID | 1 .. 1 cbc:IssueDateType tir16-004 tbr16-016 | Term name BII Usage | Despatch advice issue date <i>The date when the despatch advice is issued.</i> |
| | XML Note | Date format CCYY-MM-DD | Rules | BII2-T16-R004 - A despatch advice MUST have a document issue date |
| cbc:IssueTime | Occurence Type Info req.ID Bus req.ID | 0 .. 1 cbc:IssueTimeType tir16-005 tbr16-016 | Term name BII Usage | Despatch advice issue time <i>The time when the despatch advice is issued.</i> |
| | XML Note | Date format HH:MM:SS | | |

| Element/Attribute | Description | | Usage | |
|----------------------------------|--------------------|-----------------------------|------------------|--|
| cbc:Note | Occurence | 0 .. 1 | Term name | Despatch note |
| | Type | cbc:NoteType | BII Usage | <i>A textual note for the despatch as whole.</i> |
| | Info req.ID | tir16-088 | | |
| | Bus req.ID | tbr16-017 | | |
| cac:OrderReference | Occurence | 0 .. 1 | | |
| | Type | cac:OrderReferenceType | | |
| cbc:ID | Occurence | 1 .. 1 | Term name | Order reference |
| | Type | cbc:IDType | BII Usage | <i>Used to provide a reference to the buyers order on which the despatch is based.</i> |
| | Info req.ID | tir16-006 | | |
| | Bus req.ID | tbr16-003 | Rules | BII2-T16-R005 - A despatch advice SHOULD have an order identifier |
| cac:DespatchSupplierParty | Occurence | 1 .. 1 | | |
| | Type | cac:SupplierPartyType | | |
| cac:Party | Occurence | 1 .. 1 | | |
| | Type | cac:PartyType | | |
| cbc:EndpointID | Occurence | 0 .. 1 | Term name | Electronic address identifier |
| | Type | cbc:EndpointIDType | BII Usage | <i>A despatch advice may contain the despatching party electronic address identifier. The address can be of any format and the format should be identified in the message.</i> |
| | Info req.ID | tir16-071 | | |
| | Bus req.ID | tbr16-004 | Rules | OP-T16-R005 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers. |
| schemeID | Type | xs:normalizedString | | |
| | Use | required | | |
| schemeAgencyID | Type | xs:normalizedString | | |
| | Use | optional | | |
| schemeAgencyName | Type | xs:string | | |
| | Use | optional | | |
| cac:PartyIdentification | Occurence | 0 .. 1 | | |
| | Type | cac:PartyIdentificationType | | |
| cbc:ID | Occurence | 1 .. 1 | Term name | Despatching party identifier |
| | Type | cbc:IDType | BII Usage | <i>The identifier of the despatching party.</i> |
| | Info req.ID | op-tir16-001 | | |
| | Bus req.ID | tbr16-004 | Rules | OP-T16-R006 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers |
| schemeID | Type | xs:normalizedString | | |
| | Use | required | | |
| schemeAgencyID | Type | xs:normalizedString | | |
| | Use | optional | | |
| schemeAgencyName | Type | xs:string | | |
| | Use | optional | | |
| cac:PartyName | Occurence | 0 .. 1 | | |

| Element/Attribute | Description | Usage |
|----------------------------------|--|---|
| cbc:Name | Type cac:PartyNameType Occurrence 1 .. 1 Type cbc:NameType Info req.ID tir16-007 Bus req.ID tbr16-004 | Term name Despatching party name <i>The name of the despatching party</i> Rules BI2-T16-R007 - A Despatch party SHOULD have the Despatch party name |
| cac:Contact | Occurrence 0 .. 1 Type cac:ContactType | |
| cbc:Name | Occurrence 0 .. 1 Type cbc:NameType Info req.ID tir16-008 Bus req.ID tbr16-004 | Term name Contact person name <i>The name of the contact person.</i> |
| cbc:Telephone | Occurrence 0 .. 1 Type cbc:TelephoneType Info req.ID tir16-012 Bus req.ID tbr16-004 | Term name Contact telephone number <i>A phone number for the contact person. If the person has a direct number, this is that number.</i> |
| cbc:Telefax | Occurrence 0 .. 1 Type cbc:TelefaxType Info req.ID tir16-010 Bus req.ID tbr16-004 | Term name Contact fax number <i>A fax number for the contact persons.</i> |
| cbc:ElectronicMail | Occurrence 0 .. 1 Type cbc:ElectronicMailType Info req.ID tir16-013 Bus req.ID tbr16-004 | Term name Contact email address <i>The e-mail address for the contact person. If the person has a direct e-mail this is that email.</i> |
| cac:DeliveryCustomerParty | Occurrence 1 .. 1 Type cac:CustomerPartyType | |
| cac:Party | Occurrence 1 .. 1 Type cac:PartyType | |
| cbc:EndpointID | Occurrence 0 .. 1 Type cbc:EndpointIDType Info req.ID tir16-016 Bus req.ID tbr16-004 | Term name Consignee party identifier <i>A despatch advice may contain the despatching party electronic address identifier. The address can be of any format and the format should be identified in the message.</i> Rules OP-T16-R005 - An Endpoint Identifier Scheme MUST be from the list of PEPPOL Party Identifiers. |
| schemeID | Type xs:normalizedString Use required | |
| schemeAgencyID | Type xs:normalizedString Use optional | |
| schemeAgencyName | Type xs:string | |

| Element/Attribute | Description | Usage |
|---------------------------------|---|--|
| cac:PartyIdentification | <p><i>Use optional</i></p> <p>Occurence 0 .. 1</p> <p>Type cac:PartyIdentificationType</p> | |
| cbc:ID | <p>Occurence 1 .. 1</p> <p>Type cbc:IDType</p> <p>Info req.ID tir16-015</p> <p>Bus req.ID tbr16-005</p> | <p>Term name Consignee party identifier</p> <p>BII Usage <i>The receiving party identifier.</i></p> <p>Rules OP-T16-R006 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers</p> |
| schemeID | <p>Type xs:normalizedString</p> <p><i>Use required</i></p> | |
| schemeAgencyID | <p>Type xs:normalizedString</p> <p><i>Use optional</i></p> | |
| schemeAgencyName | <p>Type xs:string</p> <p><i>Use optional</i></p> | |
| cac:PartyName | <p>Occurence 0 .. 1</p> <p>Type cac:PartyNameType</p> | |
| cbc:Name | <p>Occurence 1 .. 1</p> <p>Type cbc:NameType</p> <p>Info req.ID tir16-014</p> <p>Bus req.ID tbr16-005</p> | <p>Term name Consignee party name</p> <p>BII Usage <i>The name of the receiving party.</i></p> <p>Rules BII2-T16-R009 - A consignee party SHOULD have the party name or a party identifier</p> |
| cac:PostalAddress | <p>Occurence 0 .. 1</p> <p>Type cac:AddressType</p> | |
| cbc:ID | <p>Occurence 0 .. 1</p> <p>Type cbc:IDType</p> <p>Info req.ID tir16-017</p> <p>Bus req.ID tbr16-005</p> | <p>Term name Consignee party address identifier</p> <p>BII Usage <i>An identifier for a specific address within a scheme of registered addresses. Identifying the address to where the items have been despatched.</i></p> |
| schemeID | <p>Type xs:normalizedString</p> <p><i>Use optional</i></p> | |
| schemeAgencyID | <p>Type xs:normalizedString</p> <p><i>Use optional</i></p> | |
| schemeAgencyName | <p>Type xs:string</p> <p><i>Use optional</i></p> | |
| cbc:StreetName | <p>Occurence 0 .. 1</p> <p>Type cbc:StreetNameType</p> <p>Info req.ID tir16-018</p> <p>Bus req.ID tbr16-012</p> | <p>Term name Address line 1</p> <p>BII Usage <i>The main address line in a postal address usually the street name and number.</i></p> |
| cbc:AdditionalStreetName | <p>Occurence 0 .. 1</p> <p>Type cbc:AdditionalStreetNameType</p> <p>Info req.ID tir16-019</p> <p>Bus req.ID tbr16-012</p> | <p>Term name Address line 2</p> <p>BII Usage <i>An additional address line in a postal address that can be used to give further details supplementing the main line. Common use are secondary house number in a complex or in a building.</i></p> |

| Element/Attribute | Description | | Usage | |
|-------------------------------|---|--|--------------------------------------|--|
| cbc:CityName | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:CityNameType tir16-020 tbr16-012 | Term name BII Usage | City <i>The common name of the city where the postal address is. The name is written in full rather than as a code.</i> |
| cbc:PostalZone | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:PostalZoneType tir16-021 tbr16-012 | Term name BII Usage | Post code <i>The identifier for an addressable group of properties according to the relevant national postal service, such as a ZIP code or Post Code.</i> |
| cbc:CountrySubentity | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:CountrySubentityType tir16-022 tbr16-012 | Term name BII Usage | Country subdivision <i>For specifying a region, county, state, province etc. within a country by using text.</i> |
| cac:Country | Occurrence Type | 0 .. 1 cac:CountryType | Term name BII Usage | Country code <i>The country where the address is. The country should always be given by using ISO code 3166 alpha 2</i> |
| cbc:IdentificationCode | Occurrence Type Info req.ID Bus req.ID | 1 .. 1 cbc:IdentificationCodeType tir16-023 tbr16-012 | | |
| <i>listID</i> | Type Use | <i>xs:normalizedString</i> <i>optional</i> | | |
| cac:DeliveryContact | Occurrence Type | 0 .. 1 cac:ContactType | Term name BII Usage | Rules OP-T16-R001- A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2". |
| cbc:Name | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:NameType tir16-024 tbr16-005 | | |
| cbc:Telephone | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:TelephoneType tir16-027 tbr16-005 | | |
| cbc:Telefax | Occurrence Type Info req.ID Bus req.ID | 0 .. 1 cbc:TelefaxType tir16-026 tbr16-005 | | |

| Element/Attribute | Description | Usage |
|--------------------------------|--|---|
| cbc:ElectronicMail | Occurence 0 .. 1 Type cbc:ElectronicMailType Info req.ID tir16-028 Bus req.ID tbr16-005 | Term name Contact email address BII Usage <i>The e-mail address for the contact person. If the person has a direct e-mail this is that email.</i> |
| cac:BuyerCustomerParty | Occurence 0 .. 1 Type cac:CustomerPartyType | |
| cac:Party | Occurence 1 .. 1 Type cac:PartyType | |
| cac:PartyIdentification | Occurence 0 .. 1 Type cac:PartyIdentificationType | |
| cbc:ID | Occurence 1 .. 1 Type cbc:IDType Info req.ID tir16-030 Bus req.ID tbr16-006 | Term name Buying party identifier BII Usage <i>The buying party identifier</i> Rules OP-T16-R006 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers |
| schemeID | Type xs:normalizedString Use required | |
| schemeAgencyID | Type xs:normalizedString Use optional | |
| schemeAgencyName | Type xs:string Use optional | |
| cac:PartyName | Occurence 0 .. 1 Type cac:PartyNameType | |
| cbc:Name | Occurence 1 .. 1 Type cbc:NameType Info req.ID tir16-029 Bus req.ID tbr16-006 | Term name Buying party name BII Usage <i>The name of the buying party</i> |
| cac:SellerSupplierParty | Occurence 0 .. 1 Type cac:SupplierPartyType | |
| cac:Party | Occurence 1 .. 1 Type cac:PartyType | |
| cac:PartyIdentification | Occurence 0 .. 1 Type cac:PartyIdentificationType | |
| cbc:ID | Occurence 1 .. 1 Type cbc:IDType Info req.ID tir16-066 Bus req.ID tbr16-013 | Term name Selling party identifier BII Usage <i>An identifier for the seller party.</i> Rules OP-T16-R006 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers |
| schemeID | Type xs:normalizedString Use required | |
| schemeAgencyID | Type xs:normalizedString Use optional | |
| schemeAgencyName | Type xs:string | |

| Element/Attribute | Description | Usage |
|------------------------------------|---|--|
| cac:PartyName | <i>Use optional</i> Occurrence 0 .. 1 Type cac:PartyNameType | |
| cbc:Name | Occurrence 1 .. 1 Type cbc:NameType Info req.ID tir16-065 Bus req.ID tbr16-013 | Term name Selling party name BII Usage <i>The seller party name.</i> |
| cac:Contact | Occurrence 0 .. 1 Type cac:ContactType | |
| cbc:Name | Occurrence 0 .. 1 Type cbc:NameType Info req.ID tir16-067 Bus req.ID tbr16-013 | Term name Contact person name BII Usage <i>The name of the contact person.</i> |
| cbc:Telephone | Occurrence 0 .. 1 Type cbc:TelephoneType Info req.ID tir16-069 Bus req.ID tbr16-013 | Term name Contact telephone number BII Usage <i>A phone number for the contact person. If the person has a direct number, this is that number.</i> |
| cbc:Telefax | Occurrence 0 .. 1 Type cbc:TelefaxType Info req.ID tir16-068 Bus req.ID tbr16-013 | Term name Contact fax number BII Usage <i>A fax number for the contact persons.</i> |
| cbc:ElectronicMail | Occurrence 0 .. 1 Type cbc:ElectronicMailType Info req.ID tir16-070 Bus req.ID tbr16-013 | Term name Contact email address BII Usage <i>The e-mail address for the contact person. If the person has a direct e-mail this is that email.</i> |
| cac:OriginatorCustomerParty | Occurrence 0 .. 1 Type cac:CustomerPartyType | |
| cac:Party | Occurrence 1 .. 1 Type cac:PartyType | |
| cac:PartyIdentification | Occurrence 0 .. 1 Type cac:PartyIdentificationType | |
| cbc:ID | Occurrence 1 .. 1 Type cbc:IDType Info req.ID tir16-032 Bus req.ID tbr16-004 | Term name Originating party identifier BII Usage <i>The originator party identifier.</i> |
| schemeID | Type xs:normalizedString Use required | |
| schemeAgencyID | Type xs:normalizedString Use optional | Rules OP-T16-R006 - A Party Identifier Scheme MUST be from the list of PEPPOL Party Identifiers |

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| Element/Attribute | Description | Usage |
|---|---|---|
| cbc:TotalTransportHandlingUnitQuantity | Occurence 0 .. 1 Type cbc:TotalTransportHandlingUnitQuantityType Info req.ID op-tir16-002 | Term name Total number of transport handling units BII Usage <i>The total number of transport handling units in this despatch.</i> |
| cac:Consignment | Occurence 0 .. 1 Type cac:ConsignmentType | |
| cbc:ID | Occurence 1 .. 1 Type cbc:IDType Info req.ID tir16-040 Bus req.ID tbr16-002 | Term name Consignment identifier BII Usage <i>An association to Consignment covering the shipment. Unique number assigned to goods, both for import and export.</i> |
| schemeID | Type xs:normalizedString Use optional | |
| schemeAgencyID | Type xs:normalizedString Use optional | |
| schemeAgencyName | Type xs:string Use optional | |
| cbc:Information | Occurence 0 .. 1 Type cbc:InformationType Info req.ID tir16-077 Bus req.ID tbr16-014 | Term name Vehicle description BII Usage <i>Description and/or identification of the vehicle that transports the despatched shipment.</i> |
| cac:CarrierParty | Occurence 0 .. 1 Type cac:PartyType | |
| cac:PartyName | Occurence 0 .. 1 Type cac:PartyNameType | |
| cbc:Name | Occurence 1 .. 1 Type cbc:NameType Info req.ID tir16-076 Bus req.ID tbr16-014 | Term name Carrier name BII Usage <i>The name of the carrier that handles the delivery of the despatched shipment.</i> |
| cac:Person | Occurence 0 .. 1 Type cac:PersonType | |
| cac:IdentityDocumentReference | Occurence 1 .. 1 Type cac:DocumentReferenceType | |
| cbc:ID | Occurence 1 .. 1 Type cbc:IDType Info req.ID tir16-078 Bus req.ID tbr16-014 | Term name Driver information BII Usage <i>Identification about the driver of the vehicle that delivers the despatched shipment.</i> |
| cbc:DocumentType | Occurence 0 .. 1 Type cbc:DocumentTypeType Info req.ID op-tir16-009 | Term name Driver identification document type BII Usage <i>The type of document used for identifying the driver, expressed in text.</i> |
| cac:Delivery | Occurence 0 .. 1 | |

| Element/Attribute | Description | Usage |
|---|---|---|
| <div> <div>cbc:TrackingID</div> </div> | <div> <div>Type</div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>cac:DeliveryType</div> <div>0 .. 1</div> <div>cbc:TrackingIDType</div> <div>tir16-041</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Delivery tracking identifier</div> <div>Used to provide a tracking id for delivery e.g. UPS or postal.</div> </div> |
| <div> <div>cac:EstimatedDeliveryPeriod</div> </div> | <div> <div>Occurence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cac:PeriodType</div> </div> | |
| <div> <div>cbc:StartDate</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:StartDateType</div> <div>tir16-042</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Period start date</div> <div>The start date of the period</div> </div> |
| <div> <div>cbc:StartTime</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:StartTimeType</div> <div>tir16-043</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Period start time</div> <div>The start time of the period.</div> </div> |
| <div> <div>cbc:EndDate</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:EndDateType</div> <div>tir16-044</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Period end date</div> <div>The end date of the period.</div> </div> |
| <div> <div>cbc:EndTime</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:EndTimeType</div> <div>tir16-045</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Period end time</div> <div>The end time of the period.</div> </div> |
| <div> <div>cac:Despatch</div> </div> | <div> <div>Occurence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cac:DespatchType</div> </div> | |
| <div> <div>cbc:ActualDespatchDate</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ActualDespatchDateType</div> <div>tir16-072</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Shipment dispatch date</div> <div>The actual or expected date when the shipment was despatched from the despatching party.</div> </div> |
| <div> <div>cbc:ActualDespatchTime</div> </div> | <div> <div>Occurence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ActualDespatchTimeType</div> <div>tir16-073</div> <div>tbr16-002</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Shipment dispatch time</div> <div>The actual or expected time when the shipment was despatched from the despatching party.</div> </div> |
| <div> <div>cac:DespatchAddress</div> </div> | <div> <div>Occurence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cac:AddressType</div> </div> | |
| <div> <div>cbc:ID</div> </div> | <div> <div>Occurence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cbc:IDType</div> </div> | |

| Element/Attribute | Description | | Usage | |
|---------------------------------|--|--|------------------------|---|
| cbc:StreetName | Occurence Type Info req.ID | 0 .. 1 cbc:StreetNameType op-tir16-003 | Term name BII Usage | Address line 1 <i>The main address line in a postal address usually the street name and number.</i> |
| cbc:AdditionalStreetName | Occurence Type Info req.ID | 0 .. 1 cbc:AdditionalStreetNameType op-tir16-004 | Term name BII Usage | Address line 2 <i>An additional address line in a postal address that can be used to give further details supplementing the main line. Common use are secondary house number in a complex or in a building.</i> |
| cbc:CityName | Occurence Type Info req.ID | 0 .. 1 cbc:CityNameType op-tir16-005 | Term name BII Usage | City <i>The common name of the city where the postal address is. The name is written in full rather than as a code.</i> |
| cbc:PostalZone | Occurence Type Info req.ID | 0 .. 1 cbc:PostalZoneType op-tir16-006 | Term name BII Usage | Post code <i>The identifier for an addressable group of properties according to the relevant national postal service, such as a ZIP code or Post Code.</i> |
| cbc:CountrySubentity | Occurence Type Info req.ID | 0 .. 1 cbc:CountrySubentityType op-tir16-007 | Term name BII Usage | Country subdivision <i>For specifying a region, county, state, province etc. within a country by using text.</i> |
| cac:Country | Occurence Type | 0 .. 1 cac:CountryType | Term name BII Usage | Country code <i>The country where the address is. The country should always be given by using ISO code 3166 alpha 2</i> |
| cbc:IdentificationCode | Occurence Type Info req.ID | 1 .. 1 cbc:IdentificationCodeType op-tir16-008 | | |
| <i>listID</i> | Type Use | <i>xs:normalizedString</i> <i>optional</i> | Rules | OP-T16-R001- A country identification code MUST have a list identifier attribute "ISO3166-1:Alpha2". |
| cac:DespatchLine | Occurence Type | 1 .. unbounded cac:DespatchLineType | Term name BII Usage | Despatch line identifier <i>A identifier for the individual line in the despatch advice.</i> |
| cbc:ID | Occurence Type Info req.ID Bus req.ID | 1 .. 1 cbc:IDType tir16-046 tbr16-007 | | |
| | | | Rules | BII2-T16-R013 - Each despatch advice line MUST have a despatch line identifier that is unique within the despatch advice |

| Element/Attribute | Description | | Usage | |
|--------------------------------|--------------------|---|------------------|---|
| cbc:Note | Occurence | 0 .. 1 | Term name | Despatch line note |
| | Type | cbc:NoteType | BII Usage | General note regarding the despatch advice line. Free-form text applying to the Despatch Line. This element may contain notes or any other similar information that is not contained explicitly in another structure. |
| | Info req.ID | tir16-047 | | |
| | Bus req.ID | tbr16-007 | | |
| cbc:DeliveredQuantity | Occurence | 1 .. 1 | Term name | Delivered quantity |
| | Type | cbc:DeliveredQuantityType | BII Usage | The quantity that is despatched in the line. |
| | Info req.ID | tir16-048 | | |
| | Bus req.ID | tbr16-007 | Rules | BII2-T16-R017 - Each despatch advice line SHOULD have a delivered quantity BII2-T16-R019 - Each despatch advice line delivered quantity MUST not be negative BII2-T16-R020 - Each despatch advice line delivered quantity SHOULD have an associated unit of measure OP-T16-R002 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20" |
| unitCode | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListID | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListAgencyID | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListAgencyName | Type | xs:string | | |
| | Use | optional | | |
| cbc:OutstandingQuantity | Occurence | 0 .. 1 | Term name | Outstanding quantity |
| | Type | cbc:OutstandingQuantityType | BII Usage | The quantity outstanding (which will follow in a later shipment). |
| | Info req.ID | tir16-049 | | |
| | Bus req.ID | tbr16-007 | Rules | OP-T16-R002 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20" |
| | XML Note | If the delivered quantity is less than the ordered quantity, and there will be no more shipment on this order line, the OutstandingQuantity shall be 0. | | |
| unitCode | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListID | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListAgencyID | Type | xs:normalizedString | | |
| | Use | optional | | |
| unitCodeListAgencyName | Type | xs:string | | |
| | Use | optional | | |

| Element/Attribute | Description | Usage |
|--|--|--|
| <div> <div>cbc:OutstandingReason</div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:OutstandingReasonType</div> <div>tir16-050</div> <div>tbr16-007</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Outstanding quantity reason</div> <div>The reason for the outstanding quantity.</div> </div> <div> <div>Rules</div> </div> <div> <div>BII2-T16-R021 - An outstanding quantity reason SHOULD be provided if the despatch line contains an outstanding quantity</div> </div> |
| <div> <div>cac:OrderLineReference</div> <div> <div>cbc:LineID</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>1 .. 1</div> <div>cac:OrderLineReferenceType</div> <div>tir16-051</div> <div>tbr16-007</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Order line reference</div> <div>To uniquely identify the line of the order that is being despatched.</div> </div> |
| <div> <div>cac:Item</div> <div> <div>cbc:Name</div> <div> <div>cac:SellersItemIdentification</div> <div> <div>cbc:ID</div> <div>cbc:ExtendedID</div> </div> </div> <div> <div>cac:StandardItemIdentification</div> <div> <div>cbc:ID</div> </div> </div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>1 .. 1</div> <div>cac:ItemType</div> <div>tir16-052</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item name</div> <div>A short name for an item.</div> </div> <div> <div>Rules</div> </div> <div> <div>BII2-T16-R016 - Each despatch advice line MUST have an item identifier and/or an item name</div> </div> |
| <div> <div>cac:SellersItemIdentification</div> <div> <div>cbc:ID</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cac:ItemIdentificationType</div> <div>tir16-053</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item sellers identifier</div> <div>The sellers identifier for the item.</div> </div> <div> <div>Rules</div> </div> <div> <div>BII2-T16-R016 - Each despatch advice line MUST have an item identifier and/or an item name</div> </div> |
| <div> <div>cac:SellersItemIdentification</div> <div> <div>cbc:ExtendedID</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ExtendedIDType</div> <div>tir16-054</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item sellers extended identifier</div> <div>An extended identifier for the item that identifies the item with specific properties, e.g., Item 123 = Chair / Item 123 Ext 45 = brown chair.</div> </div> |
| <div> <div>cac:StandardItemIdentification</div> <div> <div>cbc:ID</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cac:ItemIdentificationType</div> <div>tir16-055</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item standard identifier</div> <div>A item identifier based on a registered schema.</div> </div> <div> <div>Rules</div> </div> <div> <div>BII2-T16-R016 - Each despatch advice line MUST have an item identifier and/or an item name BII2-T16-R018 - An item standard identifier MUST have an identification schema (e.g. GTIN)</div> </div> |

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| Element/Attribute | Description | Usage |
|--|---|--|
| <div> <div>cbc:ManufactureDate</div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ManufactureDateType</div> <div>tir16-079</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item manufactured date</div> <div>The manufacturing date of all items listed in this despatch line.</div> </div> |
| <div> <div>cbc:BestBeforeDate</div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:BestBeforeDateType</div> <div>tir16-080</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item best before date</div> <div>The best before date of all items listed in this despatch line.</div> </div> |
| <div> <div>cbc:SerialID</div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:SerialIDType</div> <div>tir16-083</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item serial numbers</div> <div>Serial numbers for items listed in the despatch line.</div> </div> |
| <div> <div> <div>schemeID</div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> | |
| <div> <div> <div>schemeAgencyID</div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> | |
| <div> <div> <div>schemeAgencyName</div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:string</div> <div>optional</div> </div> | |
| <div> <div>cac:LotIdentification</div> </div> | <div> <div>Occurrence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cac:LotIdentificationType</div> </div> | |
| <div> <div> <div>cbc:LotNumberID</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:LotNumberIDType</div> <div>tir16-082</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item batch number</div> <div>The batch number that applies to all items in the despatch line.</div> </div> |
| <div> <div> <div> <div>schemeID</div> </div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> | |
| <div> <div> <div> <div>schemeAgencyID</div> </div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> | |
| <div> <div> <div> <div>schemeAgencyName</div> </div> </div> </div> | <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:string</div> <div>optional</div> </div> | |
| <div> <div> <div>cbc:ExpiryDate</div> </div> </div> | <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ExpiryDateType</div> <div>tir16-081</div> <div>tbr16-008</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Item expiry date</div> <div>The expiry date of all items listed in this despatch line. The expiry date indicates that the items should not be used after this date.</div> </div> |
| <div> <div>cac:Shipment</div> </div> | <div> <div>Occurrence</div> <div>Type</div> </div> <div> <div>0 .. 1</div> <div>cac:ShipmentType</div> </div> | |

| Element/Attribute | Description | Usage |
|---|--|---|
| <div> <div>cbc:ID</div> <div> <div>schemeID</div> <div>schemeAgencyID</div> <div>schemeAgencyName</div> </div> </div> | <p>Occurrence 1 .. 1 Type cbc:IDType</p> <p>XML Note Shipment identifier is only identified on header level. On line level use "NA".</p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:string</i> Use <i>optional</i></p> | |
| cac:TransportHandlingUnit | <p>Occurrence 0 .. unbounded Type cac:TransportHandlingUnitType</p> | |
| <div> <div>cbc:ID</div> <div> <div>schemeID</div> <div>schemeAgencyID</div> <div>schemeAgencyName</div> </div> </div> | <p>Occurrence 0 .. 1 Type cbc:IDType Info req.ID tir16-061 Bus req.ID tbr16-010</p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:string</i> Use <i>optional</i></p> | <p>Term name Handling unit identifier BII Usage <i>Identifies the transport handling unit.</i></p> |
| <div> <div>cbc:TransportHandlingUnitTypeCode</div> <div> <div>listID</div> <div>listAgencyID</div> <div>listAgencyName</div> <div>listVersionID</div> </div> </div> | <p>Occurrence 0 .. 1 Type cbc:TransportHandlingUnitTypeCodeType Info req.ID tir16-085 Bus req.ID tbr16-010</p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> <p>Type <i>xs:string</i> Use <i>optional</i></p> <p>Type <i>xs:normalizedString</i> Use <i>optional</i></p> | <p>Term name Handling unit type BII Usage <i>The type of packaging that represent the handling unit, such as box, pallet, container etc.</i></p> <p>Rules OP-T16-R004 - A transport handling unit type code MUST have a list identifier attribute "UNECERec21".</p> |
| cbc:HazardousRiskIndicator | <p>Occurrence 0 .. 1 Type cbc:HazardousRiskIndicatorType Info req.ID tir16-062 Bus req.ID tbr16-010</p> | <p>Term name Handling unit hazardous indicator BII Usage <i>Indicates whether the shipment contains hazardous materials.</i></p> |

| Element/Attribute | Description | Usage |
|--|--|--|
| <div> <div>cbc:ShippingMarks</div> <div> <div>cac:MeasurementDimension</div> <div> <div>cbc:AttributeID</div> <div> <div>schemeID</div> <div> <div>schemeAgencyID</div> <div> <div>schemeAgencyName</div> <div>cbc:Measure</div> <div>unitCode</div> </div> </div> </div> </div> </div> </div> | <div> <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:ShippingMarksType</div> <div>tir16-064</div> <div>tbr16-010</div> </div> </div> <div> <div> <div>Occurrence</div> <div>Type</div> </div> <div> <div>0 .. unbounded</div> <div>cac:DimensionType</div> </div> </div> <div> <div> <div>Occurrence</div> <div>Type</div> </div> <div> <div>1 .. 1</div> <div>cbc:AttributeIDType</div> </div> </div> <div> <div>XML Note</div> <div>AttributeID should be set to code "AAB" for Unit gross weight and "AAW" for Gross volume</div> </div> <div> <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> </div> <div> <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:normalizedString</div> <div>optional</div> </div> </div> <div> <div> <div>Type</div> <div>Use</div> </div> <div> <div>xs:string</div> <div>optional</div> </div> </div> <div> <div> <div>Occurrence</div> <div>Type</div> <div>Info req.ID</div> <div>Bus req.ID</div> </div> <div> <div>0 .. 1</div> <div>cbc:MeasureType</div> <div>tir16-086</div> <div>tir16-087</div> <div>tbr16-010</div> <div>tbr16-010</div> </div> </div> <div> <div>Type</div> <div>Use</div> <div>xs:normalizedString</div> <div>required</div> </div> | <div> <div>Term name</div> <div>BII Usage</div> </div> <div> <div>Handling unit shipping marks</div> <div>Free-form description of the marks and numbers on a transport unit or package.</div> </div> <div> <div>Term name</div> <div>BII Usage</div> <div>Rules</div> </div> <div> <div>Handling unit gross weight</div> <div>Handling unit gross volume</div> <div>Handling gross weight, including packaging as despatched by despatching party.</div> <div>Handling gross volume, including packaging as despatched by despatching party.</div> <div>OP-T16-R002 - A unit code attribute MUST have a unit code list identifier attribute "UNECERec20"</div> <div>The handling unit measure AttributeID MUST be of value "AAB" for Unit gross weight or "AAW" for Gross volume</div> </div> |

Appendices

Appendix A – Example XML instance document

Appendix B – Conformance Statement towards CENBII