



papiNet

DeliveryMessageWood

papiNet Standard - Version 2.31

Documentation

**Global Standard for the Paper and Forest
Products Supply Chain**

Build V2R31_20131105

Date 2013-11-25

Production Release

DeliveryMessageWood papiNet Standard - Version 2.31

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DeliveryMessageWood Documentation

DeliveryMessageWood e-Document Overview

The DeliveryMessageWood e-Document enables the sender to describe the contents and configuration of a shipment at various levels of detail.

The DeliveryMessageWood e-Document specifies the details of a delivery that is either being despatched or will be despatched at a later time. The attribute DeliveryMessageType controls the usage of the DeliveryMessageWood. A seller can send a DeliveryMessageWood to one or more receivers, including the ship-to and/or buyer parties. Delivery messages are also sent to and from logistics partners.

The DeliveryMessageWood can be used as a response to call cff, delivery instruction and loading instruction when a delivery from a warehouse is requested. A DeliveryMessageWood e-Document fulfils the same or similar role as a delivery note, manifest, weigh list, tally sheet, advanced shipping notice, loading order, or packing specification.

The Scope of the DeliveryMessageWood

The DeliveryMessageWood can include:

- The date on which goods were despatched or will be ready for despatch.
- Consignment details for example, order, package identifiers, and volumes.
- Tracking details (such as the route of delivery).

Using this information, the seller can:

- Make the transport booking
- Send a confirmation for a customers call off
- Can be used for transport booking.
- Create a delivery plan

It is also used as an internal work order for the shipment department.

Using this information, the buyer can:

- Prepare for receipt of goods.
- Reconcile the physically delivered goods with those contained in the delivery message.
- Reconcile the list of delivered goods with the invoice for those goods.

Using this information, the seller/buyer can:

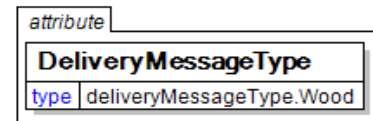
- Begin the customs clearance process, in the case of international consignments.
- A delivery message cannot be used to return goods to the seller.

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DeliveryMessageType [attribute]

DeliveryMessageType defines the type of DeliveryMessageWood.



This item is restricted to the following list.

DeliveryMessage

A delivery message type that contains optional routing information, quantities at the DeliveryMessageLineItem level, and details at the DeliveryMessageLineItemDetail level. The seller uses a DeliveryMessage to provide delivery details to the ship-to party and tracking information.

InitialShipmentAdvice

A delivery message type that contains detailed routing information, quantities at the DeliveryMessageLineItem level and optionally details at the DeliveryMessageLineItemDetail level. The seller uses the InitialShipmentAdvice to provide preliminary notification of shipment routing and quantities (can be used as an advanced notice of delivery). The quantities indicated may not necessarily be delivered—for example, if there is damage in transit or the delivery is rerouted to another destination.

LoadingOrder

Specifies delivery schedule, the transport booking requirements and shipping instructions, as well as the internal work order for the shipment.

LoadedSpecification

A DeliveryMessage type that contains a specification of loaded goods on a transport unit (e.g. container, rail wagon). A loading specification (LoadedSpecification) can contain goods belonging to many suppliers and buyers and is normally referring to a Loading Instruction.

PackingSpecification

A Packing Specification is a business transaction specifying the complete consignment being shipped from a consignor to a consignee. The specification describes in detail what is being shipped and how it is packed and marked.

ShipmentAdvice

A delivery message type that contains a specification of goods, that are dispatched and will be delivered to a warehouse. A ShipmentAdvice can refer to a Delivery Instruction Sequence or a CallOff, but is normally also used for notifying a receiving warehouse operator of shipments to the warehouse.

Waybill

The forwarding agreement or carrying agreement that is used as a receipt for cargo and as a contract of carriage.

Business Rules for DeliveryMessageWood

The following table lists the business rules that apply to all delivery message types.

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General Business Rules for DeliveryMessageWood

Identifier	Business Rule
DEL001	There are four types of delivery messages: Loading Order, Package Specification, DeliveryMessage, and InitialShipmentAdvice.
DEL002	One or more DeliveryLeg(s) specify the delivery route.
DEL003	Each DeliveryLeg may include transport information that details the mode, vehicle, unit, and loading information.
DEL004	A DeliveryMessage contains a reference to one or more Order(s) and one or more PurchaseOrderLineItem(s) of those Order(s).
DEL005	[obsolete]
DEL006	A DeliveryMessage contains one or more DeliveryMessageLineItem(s) ordered by DeliveryMessageLineItemNumber.
DEL007	Each DeliveryMessageLineItem refers to only one PurchaseOrderLineItem from one Order.
DEL008	In the case of a mixed pallet with multiple products from different PurchaseOrderLineItem(s), the same pallet identifier can be included in multiple DeliveryMessageLineItem(s).
DEL009	Each DeliveryMessageLineItem can contain one or more PackageInformation elements.
DEL010	PackageInformation enumerates delivered physical items.
DEL011	See following tables for different e-Document types.
DEL012	PackageInformation is a hierarchy that represents package details. Each level has an identifier field used to specify the package.
DEL013	Delivery messages must be processed in ascending date time order using DeliveryMessageDate to ensure the correct processing of replacements and/or cancellations.
DEL014	If the seller sets the DeliveryMessageStatusType attribute to Replaced or Cancelled, the

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Identifier	Business Rule
	OriginalDeliveryNumber must be present in DeliveryMessageReference.

General Business Rules for DeliveryMessageWood, DeliveryMessageType = DeliveryMessage

Identifier	Business Rule
DEL011a	PackageInformation is required for a DeliveryMessage.

General Business Rules for DeliveryMessageWood, DeliveryMessageType = InitialShipmentAdvice

Identifier	Business Rule
DEL011b	PackageInformation is optional for an InitialShipmentAdvice.

Processing the DeliveryMessageWood

E-Document processing depends on the e-Document type and on the value in the status field at the e-Document header level. All the delivery message types have only one status field-DeliveryMessageStatusType at the e-Document level. Seller or a representative of the seller is the only party that sends a DeliveryMessageWood. The e-Document can be sent with one of three values in the DeliveryMessageStatusType field.

A Packing Specification is a business transaction specifying the complete consignment being shipped from a consignor to a consignee. The specification describes in detail what is being shipped and how it is packed and marked.

Status Values Used When Processing the DeliveryMessageWood

The following statuses are valid for the DeliveryMessagwWood (@DeliveryMessageStatusType)

- Original - The supplied information is the first version of that information.
- Cancelled - Indicates that the seller wants to cancel the e-Document
 - Per business rule DEL014, the seller must reference the OriginalDeliveryNumber of the original e-Document if the delivery message's DeliveryMessageStatusType is set to Cancelled.
- Replaced - Indicates that the seller wants to replace the e-Document.
 - Per business rule DEL014, the seller must reference the OriginalDeliveryNumber of the original e-Document if the delivery message's DeliveryMessageStatusType is set to Replaced.

Understanding the Diagrams and Content

This section provides a graphical view of the schema structures, a discussion of the item's children. You can find additional information about papiNet and the standard at www.papiNet.org.

The graphics contain content model indicators, cardinality indicators, and

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data type information.

Associated with each graphic are the definitions for the parent item and any associated child items. All attributes are listed first, followed by the elements.

The following information should help you interpret and understand this standard. Please note the following:

- Content Model and Cardinality operate together to determine if the element or attribute are required in the instance document.
- The same attribute can never appear multiple times in the same element so, you will never see a multiple cardinality indicator.

Content model indicators:

There are three possible types of content: "sequence", "choice", and "all". The papiNet standard currently does not use the "all" construct.

- (sequence)

The sequence of the items to the right of the graphic (or below the text) is required.

- (choice)

A choice of the items to the right of the graphic (or below the text) is permitted.

- (all)

All the items to the right of the graphic are required.

Cardinality indicators:

- Dotted line around element or attribute.

A single instance of the item can optionally exist.

- Dotted line around item with range indicated below.

Multiple instances of the item can optionally exist.

- Solid line around item.

A single instance of the item must exist.

- Solid line around item with range indicated below

At least one instance must exist; multiple instances can optionally exist.

Datatype indication:

When a data type is assigned to an element (either a simple type or complex type) the name of the data type is presented beneath the item name in the graphic.

- In some cases additional information about the data type is presented (the default value).

Elements can either have content that is textual/numeric in nature or content that is made up of additional elements and/or attributes.

- When the content is textual/numeric in nature "three straight horizontal lines" will appear in the upper left-hand corner of the graphic. Pay attention to these elements because they are where you will be entering your information.
- When the content is made up of additional elements and/or attributes a "gray-box" will appear on the right-hand side of the graphic.
- If the graphic shows both the horizontal lines and the gray-box then, in the papiNet standard, the content below the element are attributes.

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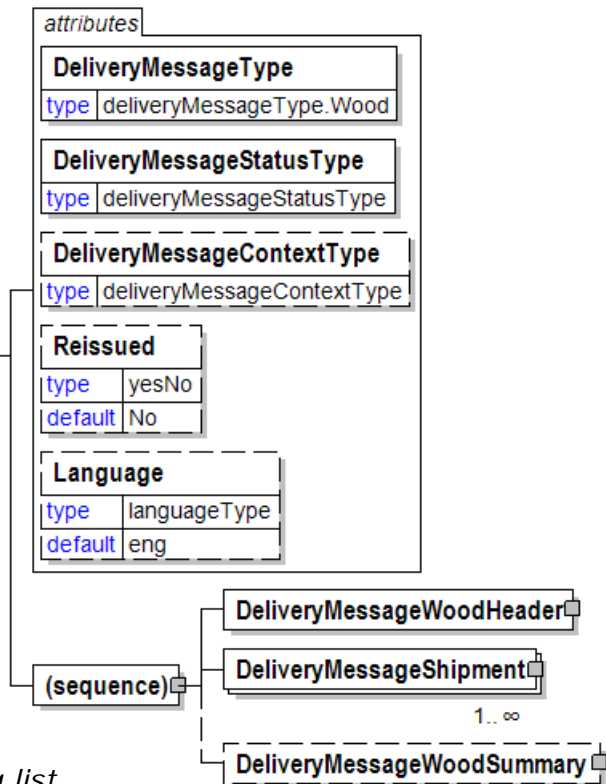
DeliveryMessageWood Root Element

DeliveryMessageWood

The DeliveryMessageWood element is the root element for the DeliveryMessageWood e-Document.

The DeliveryMessageWood e-Document enables the sender to describe the contents and configuration of a shipment at various levels of detail.

DeliveryMessageWood



DeliveryMessageType [attribute]

DeliveryMessageType is mandatory. A single instance is required.

DeliveryMessageType defines the type of DeliveryMessageWood.

This item is restricted to the following list.

DeliveryMessage

A delivery message type that contains optional routing information, quantities at the DeliveryMessageLineItem level, and details at the DeliveryMessageLineItemDetail level. The seller uses a DeliveryMessage to provide delivery details to the ship-to party and tracking information.

InitialShipmentAdvice

A delivery message type that contains detailed routing information, quantities at the DeliveryMessageLineItem level and optionally details at the DeliveryMessageLineItemDetail level. The seller uses the InitialShipmentAdvice to provide preliminary notification of shipment routing and quantities (can be used as an advanced notice of delivery). The quantities indicated may not necessarily be delivered—for example, if there is damage in transit or the delivery is rerouted to another destination.

LoadingOrder

Specifies delivery schedule, the transport booking requirements and shipping instructions, as well as the internal work order for the shipment.

LoadedSpecification

A DeliveryMessage type that contains a specification of loaded goods on a transport unit (e.g. container, rail wagon). A loading specification (LoadedSpecification) can contain goods belonging to many suppliers and buyers and is normally referring to a Loading Instruction.

PackingSpecification

A Packing Specification is a business transaction specifying the complete consignment being shipped from a consignor to a consignee. The specification

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describes in detail what is being shipped and how it is packed and marked.

ShipmentAdvice

A delivery message type that contains a specification of goods, that are dispatched and will be delivered to a warehouse. A ShipmentAdvice can refer to a Delivery Instruction Sequence or a CallOff, but is normally also used for notifying a receiving warehouse operator of shipments to the warehouse.

Waybill

The forwarding agreement or carrying agreement that is used as a receipt for cargo and as a contract of carriage.

DeliveryMessageStatusType [attribute]

DeliveryMessageStatusType is mandatory. A single instance is required.

Identifies the status of the entire DeliveryMessage (in other words, at the root level).

This item is restricted to the following list.

Cancelled

The supplied information has been cancelled. Items that have been cancelled are not included in totals on the summary levels of the e-document.

Original

The supplied information is the first version of that information.

Replaced

The supplied information is replacing earlier supplied information. The receiver should revalidate the information in their system based upon the entire information received.

DeliveryMessageContextType [attribute]

DeliveryMessageContextType is optional. A single instance might exist.

Communicates the reason for this delivery. If not present then this is a standard, typical delivery.

This item is restricted to the following list.

Return

The delivery supports the goods return process.

Reissued [attribute]

Reissued is optional. A single instance might exist.

Either "Yes" or "No".

This item is restricted to the following list.

Yes

No

Language [attribute]

Language is optional. A single instance might exist.

XML has embraced 2 and 3 digit language codes through the application of an addendum to the standard.

Information on the content of this attribute is available

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at: <http://www.loc.gov/standards/iso639-2/> this is the official site of the ISO 639-2 Registration Authority.

- <http://www.w3.org/International/O-HTML-tags.html> provides an explanation of the errata updating XML.
- <http://www.ietf.org/rfc/rfc3066.txt> is the key document that is referenced in the above errata.

(sequence)

The sequence of items below is mandatory. A single instance is required.

DeliveryMessageWoodHeader

DeliveryMessageWoodHeader is mandatory. A single instance is required.

This element contains the information that is consistent for the entire DeliveryMessageWood document.

- Note: DocumentReferenceInformation will be removed from this element in the next version of papiNet. Use the DocumentInformation element instead.

DeliveryMessageShipment

DeliveryMessageShipment is mandatory. One instance is required, multiple instances might exist.

The DeliveryMessageShipment specifies an individual delivery shipment. It may contain product grouping within the shipment.

DeliveryMessageWoodSummary

DeliveryMessageWoodSummary is optional. A single instance might exist.

The DeliveryMessageWoodSummary contains summary information based on the line items contained in the DeliveryMessageWood document.

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Primary Elements

DeliveryMessageWoodHeader

This element contains the information that is consistent for the entire DeliveryMessageWood document.

- Note: DocumentReferenceInformation will be removed from this element in the next version of papiNet. Use the DocumentInformation element instead.

(sequence)

The contents of (sequence) are mandatory. A single instance is required.

DeliveryMessageNumber

DeliveryMessageNumber is mandatory. A single instance is required.

A unique delivery identifier assigned to each DeliveryMessage as agreed between the trading partners.

TransactionHistoryNumber

TransactionHistoryNumber is optional. A single instance might exist.

A sequential number that keeps track of the version of a document being sent by the document originator except in the case where TransactionHistoryConfirmation is used, in which case the TransactionHistoryNumber refers to the trigger transaction for which the confirmation is being sent.

DeliveryMessageDate

DeliveryMessageDate is mandatory. A single instance is required.

The Date and Time when the DeliveryMessage was issued.

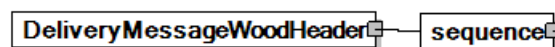
DeliveryMessageReference

DeliveryMessageReference is optional. Multiple instances might exist.

An element that identifies the relevant references pertaining to the DeliveryMessage, identified by DeliveryMessageReferenceType.

DocumentReferenceInformation

DocumentReferenceInformation is optional. Multiple instances might exist.



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A group item containing reference information applicable to a document.

BuyerParty

BuyerParty is mandatory. A single instance is required.

The legal entity to which the product is sold. Also commonly referred to as the sold-to party or customer. If no OtherParty is defined as the Payer, the Buyer is the Payer.

BillToParty

BillToParty is optional. A single instance might exist.

The address where the invoice is to be sent.

SupplierParty

SupplierParty is mandatory. A single instance is required.

The organisation or business entity responsible for providing the product. SupplierParty is also the seller of the product, if Seller is not specified as OtherParty = Seller.

OtherParty

OtherParty is optional. Multiple instances might exist.

An organisation or business entity other than those specifically detailed within a business document.

SenderParty

SenderParty is optional. A single instance might exist.

The business entity issuing the business document, the source of the document.

- This is the same entity as the "From" party in the ebXML message service envelope. The entity responsible for the content. If the sender party has outsourced the transmission function to a third party the sender party is the original party not the party performing the transmission service.

ReceiverParty

ReceiverParty is optional. Multiple instances might exist.

The business entity for whom the business document is intended, the destination of the document.

- This is the same entity as the "To" party in the ebXML message service envelop. The entity interested in the content. If the receiver party has outsourced the message receipt function to a third party the receiver party is the intended party not the party performing the receiving process.

ShipToInformation

ShipToInformation is mandatory. One instance is required, multiple instances might exist.

Group element containing information about the ship to and delivery of a product.

CountryOfOrigin

CountryOfOrigin is optional. A single instance might exist.

The country of origin for the material.

CountryOfDestination

CountryOfDestination is optional. A single instance might exist.

The country where the goods will be, or were, shipped to.

CountryOfConsumption

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CountryOfConsumption is optional. A single instance might exist.

The country of consumption for the material.

Insurance

Insurance is optional. A single instance might exist.

Group element containing information about insurance

AdditionalText

AdditionalText is optional. Multiple instances might exist.

A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

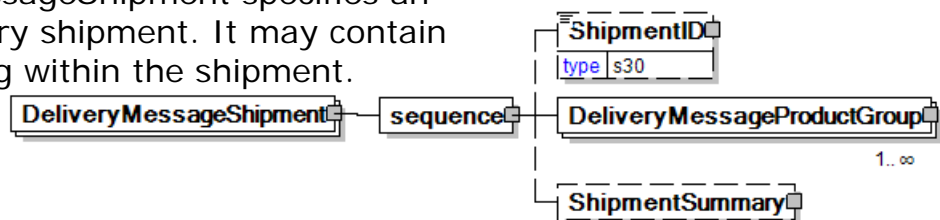
DocumentInformation

DocumentInformation is optional. Multiple instances might exist.

A group element containing a specification of required documents in the business process. Additional free text to be printed on documents can also be specified.

DeliveryMessageShipment

The DeliveryMessageShipment specifies an individual delivery shipment. It may contain product grouping within the shipment.



(sequence)

The contents of (sequence) are mandatory. A single instance is required.

ShipmentID

ShipmentID is optional. A single instance might exist.

The ShipmentID may be a Bill of Lading Marking, which is customer's reference mark on each package used for logistic purposes. Should not be mixed up with Bill of Lading number. Another example of ShipmentID is grouping by a ContainerID.

DeliveryMessageProductGroup

DeliveryMessageProductGroup is mandatory. One instance is required, multiple instances might exist.

The DeliveryMessageProductGroup permits the organization of a shipment by a product grouping.

ShipmentSummary

ShipmentSummary is optional. A single instance might exist.

Summary information for an entire shipment

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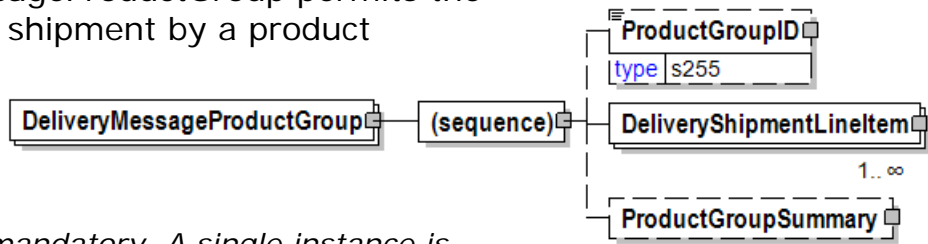
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DeliveryMessageProductGroup

The DeliveryMessageProductGroup permits the organization of a shipment by a product grouping.

(sequence)

The sequence of items below is mandatory. A single instance is required.



ProductGroupID

ProductGroupID is optional. A single instance might exist.

Possibility to group packages or Shipments. Example: Creating temporary group ID's for logistic reasons or lot number.

DeliveryShipmentLineItem

DeliveryShipmentLineItem is mandatory. One instance is required, multiple instances might exist.

The DeliveryShipmentLineItem specifies an individual delivery line for one order and order line item.

- PackageInformation will be deprecated in the version following V2R30, it has been replaced with TransportPackageInformation.
- You are encouraged to use TransportPackageInformation.

ProductGroupSummary

ProductGroupSummary is optional. A single instance might exist.

Group of elements to provide summary information on product level.

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DeliveryShipmentLineItem

The DeliveryShipmentLineItem specifies an individual delivery line for one order and order line item.

- PackageInformation will be deprecated in the version following V2R30, it has been replaced with TransportPackageInformation.
- You are encouraged to use TransportPackageInformation.

(sequence)

The sequence of items below is mandatory. A single instance is required.

DeliveryShipmentLineItemNumber

DeliveryShipmentLineItemNumber is mandatory. A single instance is required.

Sequential number to identify individual line items within a shipment

PurchaseOrderInformation

PurchaseOrderInformation is optional. A single instance might exist.

A group item containing information unique to this purchase order, which is provided by the buyer. PurchaseOrderInformation can be optional in the supply chain. Invoices are created without having a Purchase Order in Vendor Managed Inventory. Freight invoices also will not have a Purchase Order number.

PurchaseOrderLineItemNumber

PurchaseOrderLineItemNumber is optional. A single instance might exist.

The sequential number that uniquely identifies the purchase order line item.

DeliveryMessageReference

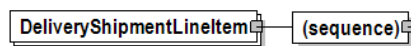
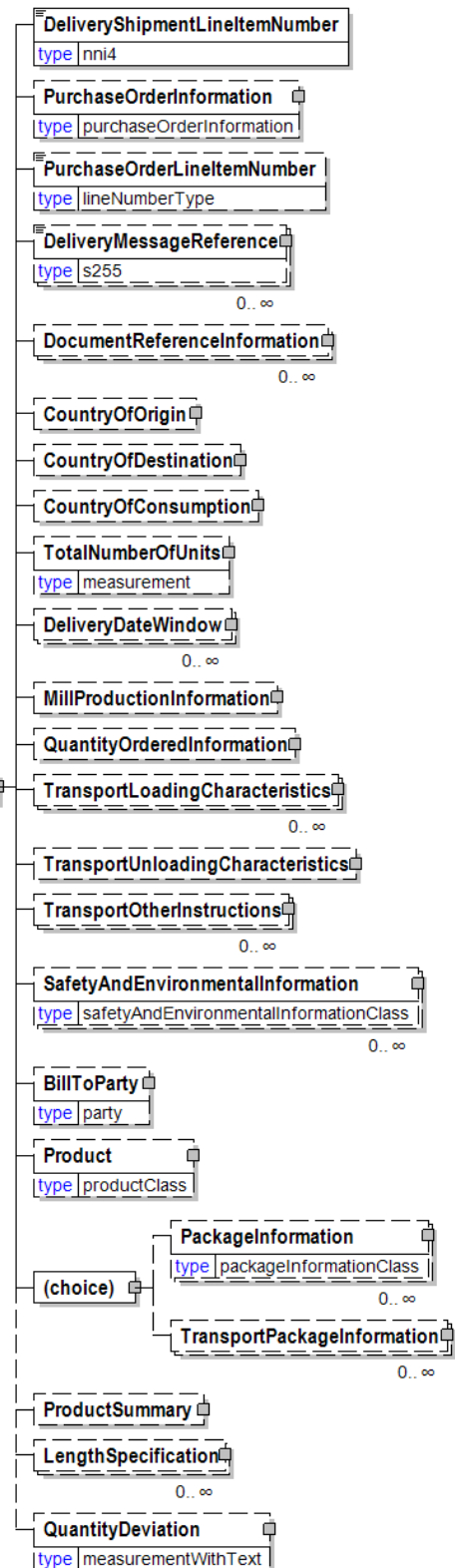
DeliveryMessageReference is optional. Multiple instances might exist.

An element that identifies the relevant references pertaining to the DeliveryMessage, identified by DeliveryMessageReferenceType.

DocumentReferenceInformation

DocumentReferenceInformation is optional. Multiple instances might exist.

A group item containing reference information applicable to a document.



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CountryOfOrigin

CountryOfOrigin is optional. A single instance might exist.

The country of origin for the material.

CountryOfDestination

CountryOfDestination is optional. A single instance might exist.

The country where the goods will be, or were, shipped to.

CountryOfConsumption

CountryOfConsumption is optional. A single instance might exist.

The country of consumption for the material.

TotalNumberOfUnits

TotalNumberOfUnits is optional. A single instance might exist.

The total number of units.

DeliveryDateWindow

DeliveryDateWindow is optional. Multiple instances might exist.

A group item defining the date/time interval for delivery to take place. An element which may contain the estimated date for which delivery is expected. This date is not absolute.

MillProductionInformation

MillProductionInformation is optional. A single instance might exist.

A grouping element that contains information about production at the mill.

QuantityOrderedInformation

QuantityOrderedInformation is optional. A single instance might exist.

Used to identify quantity. The construct provides via InformationalQuantity the ability to provide the Quantity in another UOM. Length is also provided to further specify the quantity.

TransportLoadingCharacteristics

TransportLoadingCharacteristics is optional. Multiple instances might exist.

A group item defining how the transported items are to be loaded.

TransportUnloadingCharacteristics

TransportUnloadingCharacteristics is optional. A single instance might exist.

A group item defining how the transported items are to be unloaded.

TransportOtherInstructions

TransportOtherInstructions is optional. Multiple instances might exist.

A group item defining any other instructions for the transport not covered in the description of transport mode, vehicle, unit, and loading characteristics or defining an alternative description for the categories mentioned above.

SafetyAndEnvironmentalInformation

SafetyAndEnvironmentalInformation is optional. Multiple instances might exist.

Name of certification type, if any, on the goods (For example, FSC, PEFC). SafetyAndEnvironmental needs a value or measurement to communicate the percentage of the product is certified (for example, 75% is certified by the

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indicated agency).

BillToParty

BillToParty is optional. A single instance might exist.

The address where the invoice is to be sent.

Product

Product is optional. A single instance might exist.

Product is a group item defining the article and its characteristics. Product is used to specify product characteristics organized by ProductIdentifier, ProductDescription, and Classification. Book Manufacturing, Label Stock, Paper, Pulp, Recovered Paper, Wood Products, and Virgin Fibre market segments have defined their product characteristics and conversion features for implementation in papiNet.

(choice)

[choice] is optional because of choice construct.

PackageInformation

PackageInformation is optional because of choice construct.

The purpose of the PackageInformation structure is to clearly identify physical handling items that constitute the delivery.

PackageInformation is the highest level of product packaging it describes the shipping or warehousing unit.

- If you are communicating a package, usually for logistics or transport purposes, you should include the PackageType, Identifier, ItemCount, and Quantity. (Note: you still have the ability to describe the item with one of the "named" items.)
- If you are communicating one of the named Items there is no need to include PackageType, Identifier, ItemCount, and Quantity.

Since either of these two approaches can be used the entire contents of this element are optional even though the parent may be required. It is expected that you will fill in the appropriate details.

TransportPackageInformation

TransportPackageInformation is optional because of choice construct.

Information of a package used in transportation, can include several normal packages.

ProductSummary

ProductSummary is optional. A single instance might exist.

Group of elements to provide summary information on product level.

LengthSpecification

LengthSpecification is optional. Multiple instances might exist.

Length specification of the wood product.

QuantityDeviation

QuantityDeviation is optional. A single instance might exist.

To be deprecated in a future version. Use the Quantity element with a QuantityContext of "Deviation".

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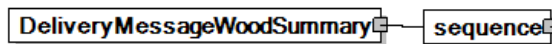
DeliveryMessageWoodSummary

The DeliveryMessageWoodSummary contains summary information based on the line items contained in the DeliveryMessageWood document.

(sequence)

The contents of (sequence) are mandatory. A single instance is required.

TotalNumberOfShipments



TotalNumberOfShipments is mandatory. A single instance is required.

Total number of shipments referred to in a delivery message.

(sequence)

The contents of (sequence) are optional. Multiple instances might exist.

TotalQuantity

TotalQuantity is mandatory. A single instance is required.

The total quantity of similar items in the business document. TotalQuantity is primarily used in the summary section of documents where it is repeatable to permit totaling for different units of measure.

TotalInformationalQuantity

TotalInformationalQuantity is optional. Multiple instances might exist.

A quantity that is used to communicate related information about the parent element. This element represents a total that is derived from individual line items.

ProductSummary

ProductSummary is optional. A single instance might exist.

Group of elements to provide summary information on product level.

LengthSpecification

LengthSpecification is optional. Multiple instances might exist.

Length specification of the wood product.

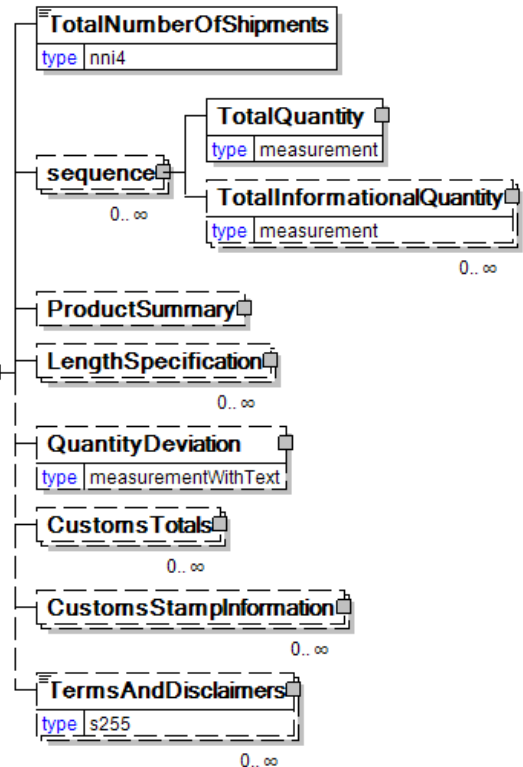
QuantityDeviation

QuantityDeviation is optional. A single instance might exist.

Used to identify the deviation quantity accepted for this product.

Quantity deviation is partly an ancient/traditional thing in timber trade and refers more to sea transport than others. Quantity deviation can concern both line level quantities and total quantities. Total quantity deviation is meant to really restrict volumes to exceed ship's capacity.

Example Quantity deviations used for total quantities are:



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- CA./Max: for example, CA./max 1000 M3 = maximum quantity 1000 m3, but can be -10 % less (so 900 - 1000 m3 in this case)
- Min but Max: for example, min 45 max 50 m3 = volume to be between 45 and 50
- Min/Max: for example, min/max 500 m3 = have to be roughly accurate 500 m3
- CA: for example, CA 500 m3 = +-10 % (450 - 550 m3)

In some contracts, at the line level, it is said that product level variation can be +-10% (at the same time we can have deviation for total quantity)

- For example: You can have +-10 % volumes in line levels but total quantity must meet the following requirement - Min/Max 1000 m3.

CustomsTotals

CustomsTotals is optional. Multiple instances might exist.

A grouping element for customs total information.

CustomsStampInformation

CustomsStampInformation is optional. Multiple instances might exist.

A grouping element that organises the information for customs.

TermsAndDisclaimers

TermsAndDisclaimers is optional. Multiple instances might exist.

An element that contains legal information with an indication of what the Language is.

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DeliveryMessageWood Business Scenarios

DeliveryMessageWood Scenario Listing

These use cases includes delivery messages sent to communicate deliveries made to a terminal and as deliveries are made to a final Ship-To location. They should be used to get familiar with how XML is mapped from existing documents and where XML documents fit in the processing flow. Business Use Cases are given which contain common business examples and guidelines to formatting the XML.

Scenario A	A DeliveryMessageWood is sent that specifies shipment instructions to forwarder and internal shipping department
Scenario B	A DeliveryMessageWood is sent that specifies transport booking information to the carrier.
Scenario C	A DeliveryMessageWood is sent that specifies shipping information to the buyer.
Scenario D	A DeliveryMessageWood as a Package Specification.
Scenario E	A DeliveryMessageWood is sent that specifies multiple delivery legs.
Scenario F	A DeliveryMessageWood of type "InitialShipmentAdvice" is sent to the Buyer that does not include delivery items.
Scenario G	A DeliveryMessageWood is sent that corrects an erroneous DeliveryMessage.
Scenario H	A DeliveryMessageWood is sent that cancels an erroneous DeliveryMessageWood.

Scenario A

e-Document	DeliveryMessageWood
Type	LoadingOrder
Scenario	A DeliveryMessageWood is sent that specifies shipment instructions to forwarder and internal shipping department.
Outcome	Delivery is recorded as planned shipment to forwarders system
Initiator	Supplier
Receiver	Forwarder, internal shipping department

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Trigger	Call Off or Delivery Plan
Step 1.	<p>Supplier sends a DeliveryMessageWood that corresponds to one PurchaseOrderInformation, PurchaseOrderLineItemNumber combination. Each PackageInformation specifies either the Packages or the total volume for products that are planned to be sent</p> <ul style="list-style-type: none"> • PackageInformation can occur multiple times. • Identifier is the Identifier used to distinguish the Package • ItemCount is the count of the number of Pieces in the Package Quantity contains the Actual Volume of the Product or Packages, InformationalQuantity with QuantityType="Volume" specifies the Nominal volume of Product <p>Statuses sent within the e-Document:</p> <ul style="list-style-type: none"> • DeliveryMessageStatusType = "Original"

Scenario B

e-Document	DeliveryMessageWood
Type	LoadingOrder
Scenario	A DeliveryMessageWood is sent that specifies planned volumes
Outcome	Delivery is recorded as planned shipment in the Carriers system
Initiator	Supplier
Receiver	Carrier
Trigger	Goods are ready for Delivery
Step 1.	<p>Supplier sends a DeliveryMessageWood that corresponds to one PurchaseOrderInformation, PurchaseOrderLineItemNumber combination. PackageInformation can occur multiple times.</p> <ul style="list-style-type: none"> • Identifier is used to distinguish the package • ItemCount is the count of the number of Pieces in the Package • Quantity contains the Volume of the products or the number of packages • InformationalQuantity with

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	<p>QuantityType="Volume" specifies the Nominal volume of Product</p> <p>Statuses sent within the e-Document:</p> <ul style="list-style-type: none"> • DeliveryMessageStatusType = "Original"
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Scenario C

e-Document	DeliveryMessage
Type	LoadingOrder
Scenario	A DeliveryMessage-WoodProducts is sent that specifies planned/shipped volumes.
Outcome	Delivery is recorded as shipped in the Buyer's system
Initiator	Supplier
Receiver	Buyer
Preconditions	Goods have been planned to ship/shipped
Step 1.	<p>Statuses sent within the e-Document:</p> <ul style="list-style-type: none"> • DeliveryMessageStatusType = "Original" • Supplier sends a DeliveryMessageWood that corresponds to one PurchaseOrderInformation, PurchaseOrderLineItemNumber combination. PackageInformation can occur multiple times. • Identifier is used to distinguish the package • ItemCount is the count of the Number of Pieces in the Package • Quantity contains the Volume of the products or the number of packages • InformationalQuantity with QuantityType="Volume" specifies the Nominal volume of Product.

Scenario D

e-Document	DeliveryMessageWood
Type	PackingSpecification
Scenario	A DeliveryMessage-WoodProducts is sent that details packages.
Outcome	Delivery is recorded as shipped in the Buyer's system

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Initiator	Supplier
Receiver	Buyer
Preconditions	Goods are ready for Delivery
XML File	The name of any sample file.
Trigger	What starts the process?
Step 1.	<p>Supplier sends a DeliveryMessageWood that corresponds to one PurchaseOrderInformation, PurchaseOrderLineItemNumber combination. Each PackageInformation occurrence specifies the Boxes that contain the Reams that are sent and optionally may contain SheetItem information.</p> <ul style="list-style-type: none"> • PackageInformation can occur multiple times. • Identifier is the Identifier used to distinguish the package ItemCount is the count of the number of pieces in the package • Quantity contains the Actual volume of the package • InformationalQuantity with QuantityType = "Volume" specifies the nominal volume of the package <p>Statuses sent within the e-Document:</p> <ul style="list-style-type: none"> • DeliveryMessageStatusType = "Original"

Scenario E

e-Document	DeliveryMessageWood
Type	DeliveryMessage
Scenario	A DeliveryMessage is sent that specifies multiple DeliveryLeg(s).
Outcome	Delivery is recorded as shipped in the Buyer's system
Initiator	Supplier
Receiver	Buyer
Preconditions	Goods are ready for Delivery
XML File	The name of any sample file.
Trigger	What starts the process?

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Step 1.

Supplier sends a DeliveryMessageWood that has multiple DeliveryLeg(s) for the entire e-Document. A DeliveryLeg details the actual transportation origin and destination. It includes:

- DeliveryLegSequenceNumber which increments starting at 1
- DeliveryOrigin includes the LocationType which specifies "CustomerFacility", "Mill", "Port", "Terminal" or "Warehouse"
- DeliveryOrigin Date and Name are projected
- For each DeliveryLeg, optional Transportation can be specified.
- TransportModeCharacteristics includes the attribute TransportModeType (e.g. "Rail")
- TransportVehicleCharacteristics includes the attribute TransportVehicleType (e.g. "TruckTrailer")
- TransportUnitCharacteristics includes the attribute TransportUnitType (e.g. "TrailerID")
- TransportUnitCharacteristics includes the TransportUnitIdentifier (e.g. ID of the Trailer)
- TransportLoadingCharacteristics and TransportOtherInstructions further describe the Transportation
- DeliveryTransitTime optionally projects the Days, Hours, and Minutes between Origin and Destination
- DeliveryDestination includes the LocationType which specifies "CustomerFacility", "Mill", "Port", "Terminal" or "Warehouse"
- DeliveryDestination Date and Name are projected

Statuses sent within the e-Document:

- DeliveryMessageStatusType = "Original"