



**Load Available**

**papiNet Standard - Version 2.31**

**Documentation**

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

**January 2009**

**Production Release**

# **Load Available**

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### LoadAvailable Documentation

#### Load Available Overview

The Supplier party or authorized agent sends a LoadAvailable message to the BuyerParty(consuming mill) indicating that load(s) for specific product is(are) ready on a specific date for acceptance and pickup. LoadAvailable message from the supplier may include a Shipper Load Number. This number may be used as the consuming mill's release number. The Shipper Load Number is used for authorization for pick-up of load at supplier point.

The LoadAvailableConfirmation is sent from the Buyer (consuming mill) to the Supplier party indicating that the load was accepted or rejected. If accepted, the LoadAvailable response contains the consuming mill's 'release number', Shipper's Load Number and possibly the carrier and related logistics information. The release number is used by the carrier for entry into the mill property and is the main reference number for all correspondence between Supplier and consuming mill about that load.

#### Load Available Scope

The LoadAvailable message can include:

- A sender specific LoadAvailableNumber
- The date the product is available for pick-up
- Buyer, Supplier, ShipFrom, Shipto, Carrier (if known)
- Shipper Load Number
- Product Identifiers
- Additional Text notes (if needed)

The LoadAvailableConfirmation message can include:

- A sender specific LoadAvailableNumber
- The date the product is available for pick-up
- Buyer, Supplier, ShipFrom, Shipto, Carrier parties(if known)
- LoadAvailable ReleaseNumber
- Shipper Load Number
- Product Identifiers
- Additional Text notes (if needed)

#### LoadAvailableType [attribute]

LoadAvailableType defines the type Load Available message.

*This item is restricted to the following list.*



#### LoadAvailable

LoadAvailable indicates the message is from the company with the load.

#### LoadAvailableConfirmation

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LoadAvailableConfirmation indicates the message is from the company to whom the load was offered.

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#### Business Rules for LoadAvailable

##### General Business Rules

The following table lists the business rules that apply to the LoadAvailable.

Identifier	Business Rule
LA001	Refers to only one load at a time
LA002	If the Supplier sends a LoadAvailableStatusType of Cancelled, then the OriginalLoadAvailableNumber must be present in the LoadAvailableReference. There must have been an 'original' LoadAvailable message before a Cancel can be processed.
LA003	If the BuyerParty (consuming mill) sends a LoadAvailableStatusType of Rejected, then no LoadReleaseNumber is necessary, but the message must reference the LoadAvailableNumber.
LA004	An amendment must be in response to an existing original

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#### Load Available Processing

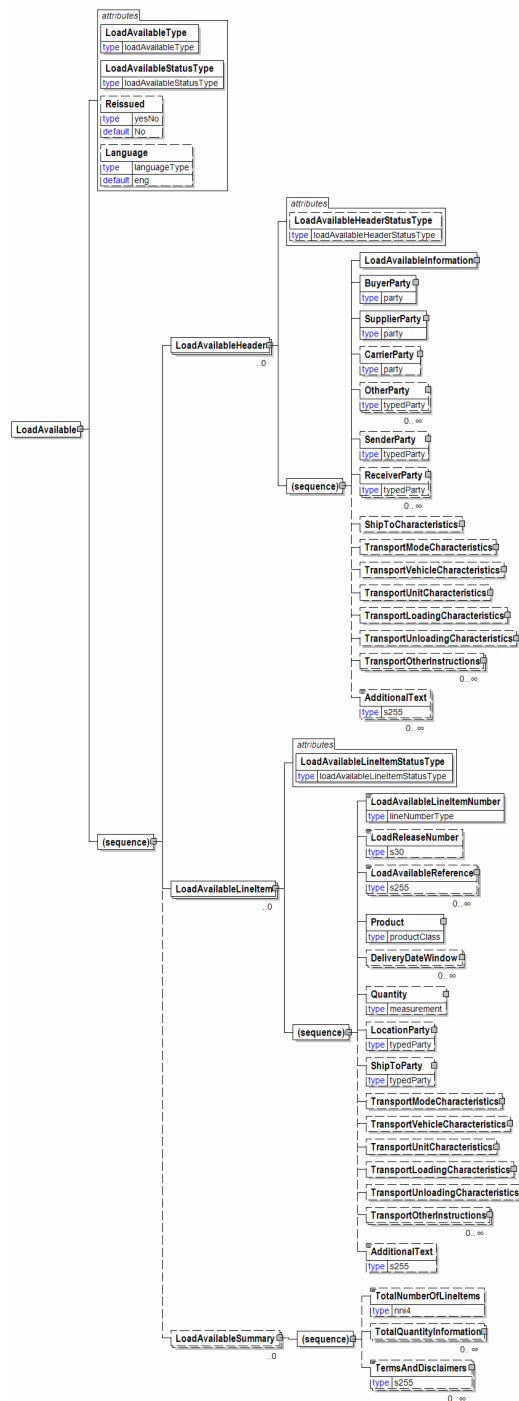
With a LoadAvailableStatusType of:

- Original – Indicates that this is the first transmission of the message
- Cancelled – Indicates that the Supplier wants to cancel the message.
- Rejected – Indicates that the BuyerParty does not want the load.
- Amended – Indicates that changed or additional information is being sent for an existing/previously sent message.

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### LoadAvailable Structure



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### 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](http://www.papiNet.org).

The graphics contain content model indicators, cardinality indicators, and 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



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(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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### Load Available Root Element

#### LoadAvailable

Load Available

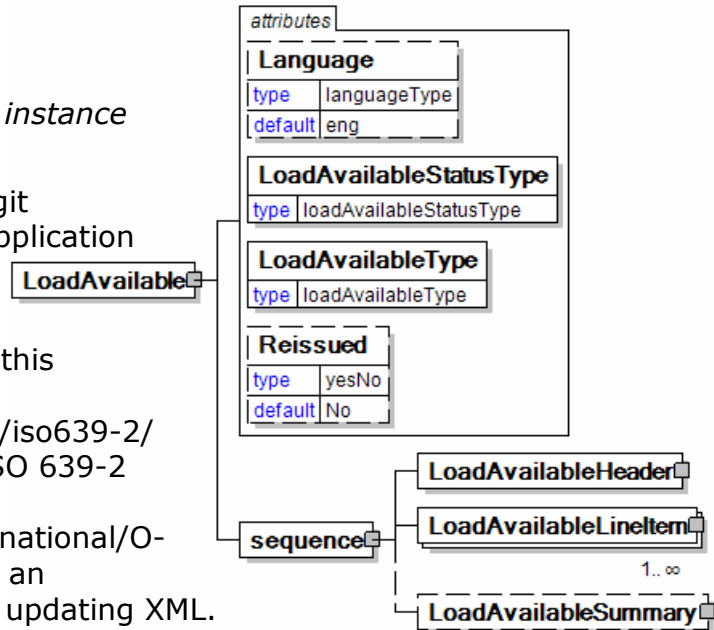
##### Language [attribute]

*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 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.



##### LoadAvailableStatusType [attribute]

*LoadAvailableStatusType is mandatory. A single instance is required.*

LoadAvailableStatusType defines the status of the entire Load Available message.

*This item is restricted to the following list.*

##### Accepted

The supplied information is accepted.

##### Amended

The supplied information is changed

##### Cancelled

The supplied information is cancelled. Items that have been cancelled are not included in totals on the summary levels of the message.

##### Original

The message information is the first version of that information.

##### Rejected

The supplied information is rejected.

##### LoadAvailableType [attribute]

*LoadAvailableType is mandatory. A single instance is required.*

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LoadAvailableType defines the type Load Available message.

*This item is restricted to the following list.*

### **LoadAvailable**

LoadAvailable indicates the message is from the company with the load.

### **LoadAvailableConfirmation**

LoadAvailableConfirmation indicates the message is from the company to whom the load was offered.

### **Reissued [attribute]**

*Reissued is optional. A single instance might exist.*

Either "Yes" or "No".

*This item is restricted to the following list.*

**Yes**

**No**

### **(sequence)**

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

### **LoadAvailableHeader**

*LoadAvailableHeader is mandatory. A single instance is required.*

The LoadAvailableHeader, a group item containing generic information common to the LoadAvailable message.

### **LoadAvailableLineItem**

*LoadAvailableLineItem is mandatory. One instance is required, multiple instances might exist.*

LoadAvailableLineItem is a group item containing information that relates to a line in the load available message.

### **LoadAvailableSummary**

*LoadAvailableSummary is optional. A single instance might exist.*

Load Available Summary

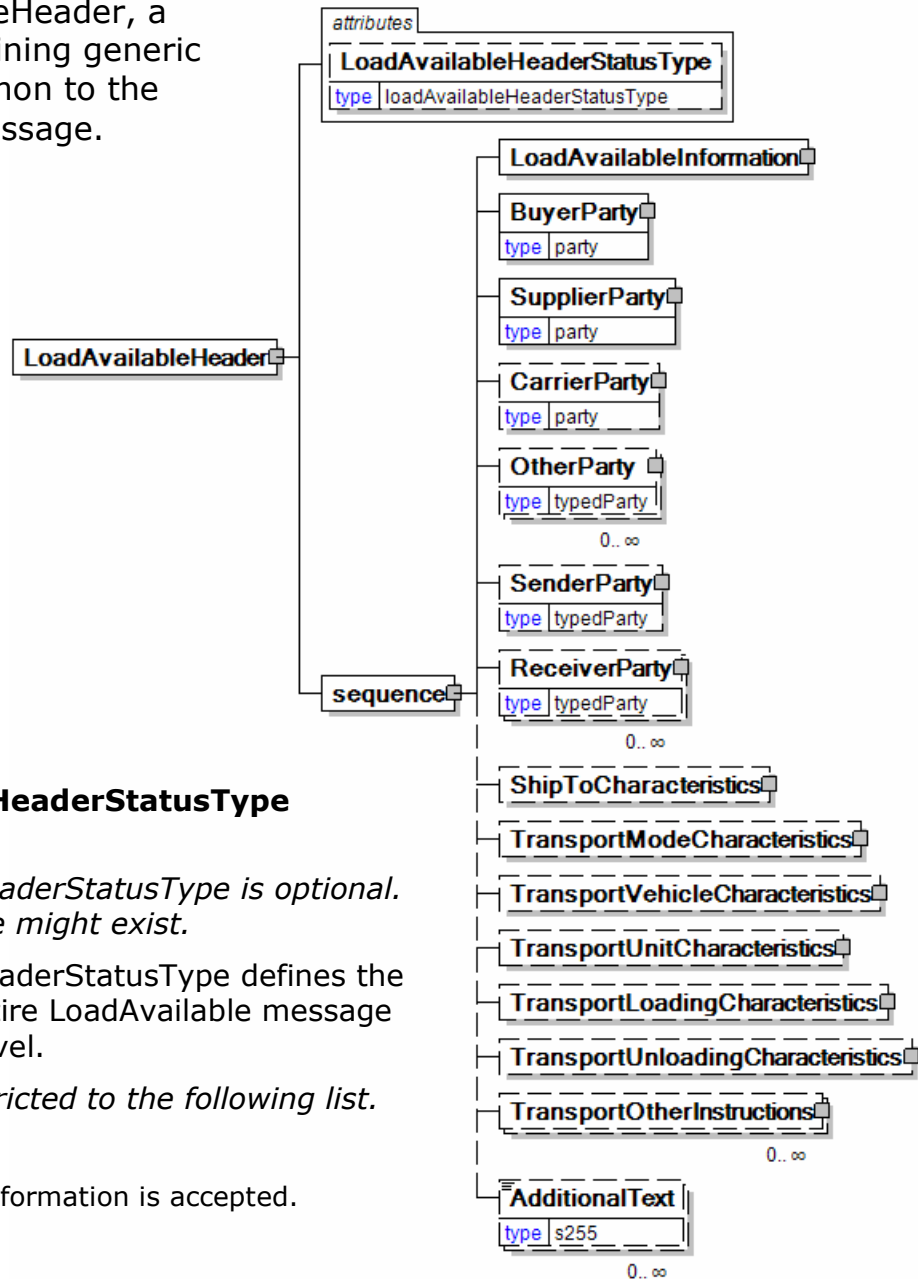
# Load Available

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### Primary Elements

#### LoadAvailableHeader

The LoadAvailableHeader, a group item containing generic information common to the LoadAvailable message.



#### LoadAvailableHeaderStatusType [attribute]

*LoadAvailableHeaderStatusType is optional. A single instance might exist.*

LoadAvailableHeaderStatusType defines the status of the entire LoadAvailable message at the header level.

*This item is restricted to the following list.*

##### Accepted

The supplied information is accepted.

##### Amended

The supplied information is changed

##### NoAction

The supplied information has not been amended and thereby requires no action.

##### Original

The message information is the first version of that information.

##### Rejected

# Load Available

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The supplied information is rejected.

### **(sequence)**

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

#### **LoadAvailableInformation**

*LoadAvailableInformation is mandatory. A single instance is required.*

LoadAvailableInformation is a group item containing information about the whole Load Available message.

#### **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.

#### **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.

#### **CarrierParty**

*CarrierParty is optional. A single instance might exist.*

The party performing the transport of the product from the pickup location to the ship-to location; could be a hauler.

#### **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.

#### **ShipToCharacteristics**

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*ShipToCharacteristics is optional. A single instance might exist.*

A group item that provides information important for the Ship-To Party.

A group item that provides information important for the Ship-To Party. ShipToCharacteristics may be referenced at both the header and line item level. The reference at the header is required and acts as a default for the value at the line level, unless overridden at the line level.

### **TransportModeCharacteristics**

*TransportModeCharacteristics is optional. A single instance might exist.*

A group item defining the primary mode of transport.

### **TransportVehicleCharacteristics**

*TransportVehicleCharacteristics is optional. A single instance might exist.*

A group item defining the primary means of transporting the goods, such as a side port vessel. In some instances, the transport unit and vehicle are the same.

### **TransportUnitCharacteristics**

*TransportUnitCharacteristics is optional. A single instance might exist.*

A group item defining and identifying the primary means of containing the goods. In some instances, the transport unit and vehicle are the same.

### **TransportLoadingCharacteristics**

*TransportLoadingCharacteristics is optional. A single instance 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.

### **AdditionalText**

*AdditionalText is optional. Multiple instances might exist.*

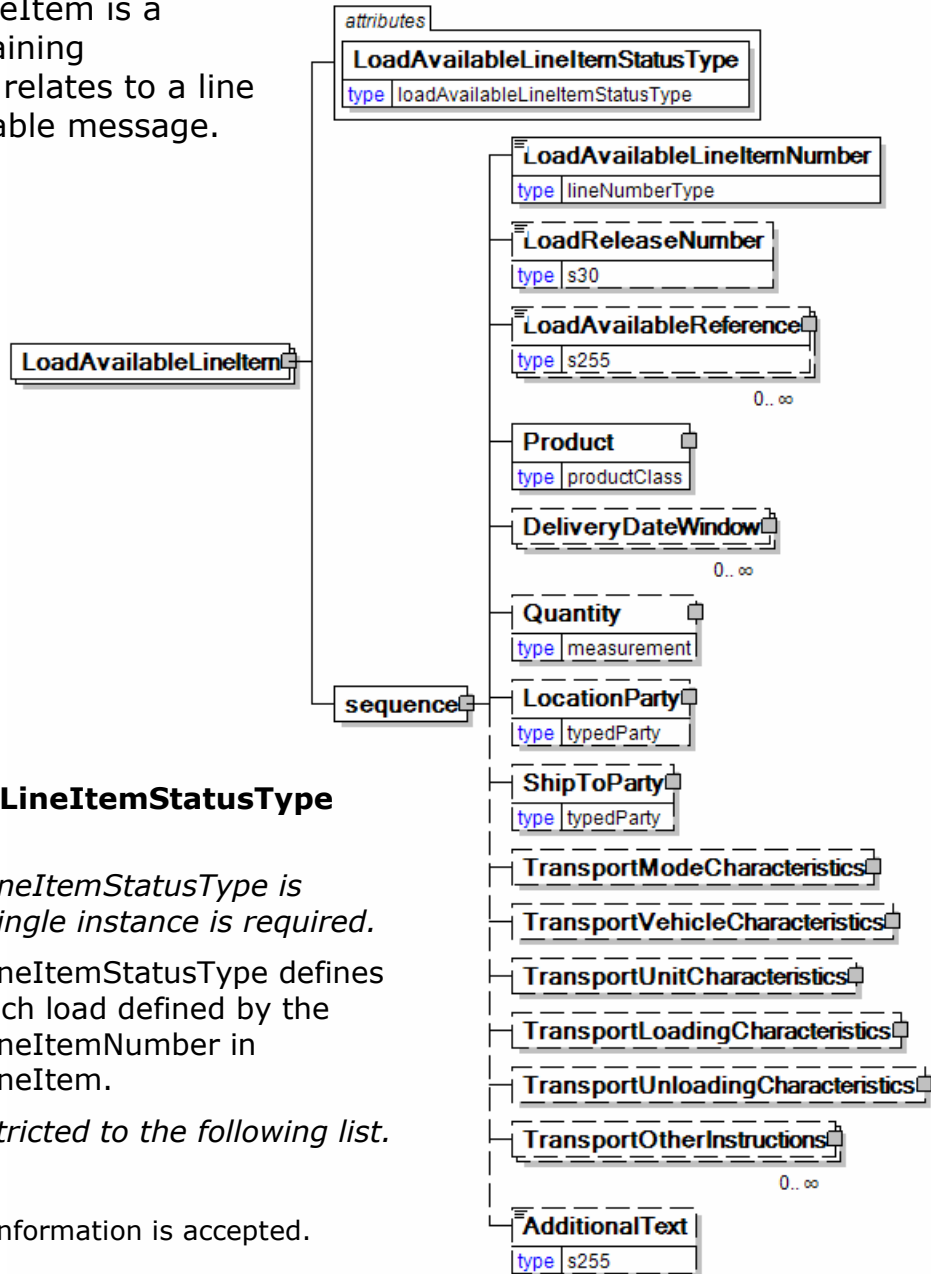
A text field that is used to communicate information not previously defined or for special instructions. To be used only for circumstances not covered by specific elements.

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### LoadAvailableLineItem

LoadAvailableLineItem is a group item containing information that relates to a line in the load available message.



### LoadAvailableLineItemStatusType [attribute]

*LoadAvailableLineItemStatusType is mandatory. A single instance is required.*

LoadAvailableLineItemStatusType defines the status of each load defined by the LoadAvailableLineItemNumber in LoadAvailableLineItem.

*This item is restricted to the following list.*

#### Accepted

The supplied information is accepted.

#### Amended

The supplied information is changed

#### Cancelled

The supplied information is cancelled. Items that have been cancelled are not included in totals on the summary levels of the message.

#### NoAction

The supplied information has not been amended and thereby requires no action.

#### Original

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The message information is the first version of that information.

### **Pending**

The supplied information is not complete and will be updated later.

### **Rejected**

The supplied information is rejected.

### **(sequence)**

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

#### **LoadAvailableLineNumber**

*LoadAvailableLineNumber is mandatory. A single instance is required.*

LoadAvailableLineNumber is a unique number within a given LoadAvailable associating the number of loads available with a numeric sequence.

#### **LoadReleaseNumber**

*LoadReleaseNumber is optional. A single instance might exist.*

LoadReleaseNumber is a unique number identifying the load. The number comes from the company to whom the load was offered.

#### **LoadAvailableReference**

*LoadAvailableReference is optional. Multiple instances might exist.*

LoadAvailableReferenceType provides a contextual explanation of the specific reference identifier.

### **Product**

*Product is mandatory. A single instance is required.*

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.

#### **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.

### **Quantity**

*Quantity is optional. A single instance might exist.*

The Quantity element contains attributes that provide information about the type of quantity that is being communicated, the context in which the particular quantity is to be viewed, and (if the quantity represents an adjustment) an adjustment type.

The Quantity element contains three child elements that enable you to communicate a range of values for the quantity and a target or actual value. It is at



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this level (Value, RangeMin, and RangeMax) that the unit of measure is specified. This permits the range to be specified in a different unit of measure than the target.

#### **LocationParty**

*LocationParty is optional. A single instance might exist.*

The organization or business entity where the business event took place or will take place.

#### **ShipToParty**

*ShipToParty is optional. A single instance might exist.*

The name and/or address to which the goods should be delivered with the party type indicated by the PartyType attribute.

#### **TransportModeCharacteristics**

*TransportModeCharacteristics is optional. A single instance might exist.*

A group item defining the primary mode of transport.

#### **TransportVehicleCharacteristics**

*TransportVehicleCharacteristics is optional. A single instance might exist.*

A group item defining the primary means of transporting the goods, such as a side port vessel. In some instances, the transport unit and vehicle are the same.

#### **TransportUnitCharacteristics**

*TransportUnitCharacteristics is optional. A single instance might exist.*

A group item defining and identifying the primary means of containing the goods. In some instances, the transport unit and vehicle are the same.

#### **TransportLoadingCharacteristics**

*TransportLoadingCharacteristics is optional. A single instance 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.

#### **AdditionalText**

*AdditionalText is optional. A single instance 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.

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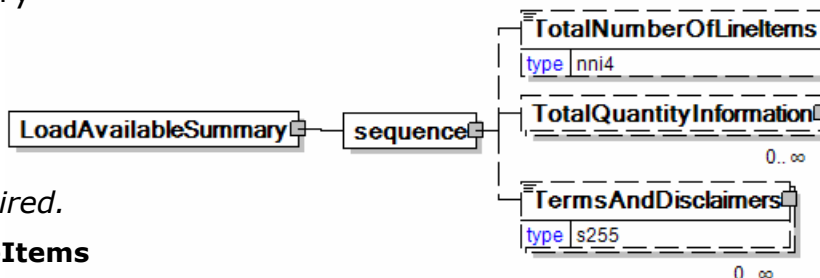
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### LoadAvailableSummary

Load Available Summary

#### (sequence)

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



#### TotalNumberOfLineItems

*TotalNumberOfLineItems is optional. A single instance might exist.*

The total number of individual line items in the document, regardless of the status or type.

#### TotalQuantityInformation

*TotalQuantityInformation is optional. Multiple instances might exist.*

A group item containing information about the total quantity and total informational quantity of similar items in the document. TotalQuantityInformation is primarily used in the summary section of messages where it is repeatable to permit totalling for different units of measure.

#### 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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### LoadAvailable Business Scenarios

#### LoadAvailable Scenario Listing

<b>Scenario A</b>	Recycle Supplier Notifies Consuming Mill of Load Availability <ul style="list-style-type: none"> <li>Consuming Mill notifies supplier of release number.</li> </ul>
<b>Scenario A'</b>	LoadAvailable Confirmation for above scenario.
<b>Scenario B</b>	Consuming mill does not want load
<b>Scenario B'</b>	LoadAvailable Confirmation for above scenario.
<b>Scenario C</b>	Supplier changes the available date on a load. Status is amended with the incremented transaction history number.
<b>Scenario C'</b>	LoadAvailable Confirmation for above scenario.
<b>Scenario D</b>	Supplier cancels load.
<b>Scenario D'</b>	LoadAvailable Confirmation for above scenario.
<b>Scenario E</b>	Consuming mill cancels the load.
<b>Scenario E'</b>	LoadAvailable Confirmation for above scenario.

#### Scenario A

<b>Message</b>	LoadAvailable
<b>Type</b>	LoadAvailable
<b>Scenario</b>	Supplier sends a shipment/load availability schedule to Consuming Mill.
<b>Outcome</b>	Consuming Mill records in their application the available loads.
<b>Initiator</b>	Supplier/Sorting Location
<b>Receiver</b>	Consuming Mill.

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<b>Preconditions</b>	Supplier is a valid trading partner. Supplier has a load of recycle product available.
<b>Trigger</b>	Load information is entered into supplier's application. Load is scheduled in the application for availability
<b>Step 1.</b>	Supplier posts dates and products in their application.
<b>Step 2.</b>	Supplier sends Load Schedule to consuming mill
<b>Results</b>	Consuming mill's system update the anticipated loads and release numbers and begins the process of tendering the loads to the carriers.

#### Scenario A'

<b>Message</b>	LoadAvailable
<b>Type</b>	LoadAvailableConfirmation
<b>Scenario</b>	The Consuming mill sends the Supplier a load release number for each load.
<b>Outcome</b>	Supplier records in their application the release numbers for each load.
<b>Initiator</b>	Supplier sending LoadAvailable and Consuming mill assigned released numbers.
<b>Receiver</b>	Supplier.
<b>Preconditions</b>	Supplier sent the LoadAvailable and release number assigned.
<b>Trigger</b>	Assigning release number to the load
<b>Step 1.</b>	Consuming Mills Send LoadAvailableConfirmation
<b>Step 2.</b>	Supplier updates their load with release number
<b>Results</b>	The Supplier system updates the each load with the consuming mill's release number. Supplier system creates a shipment.

#### Scenario B

<b>Message</b>	LoadAvailable
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<b>Type</b>	LoadAvailable
<b>Scenario</b>	Supplier sends a shipment/load availability schedule to Consuming Mill.
<b>Outcome</b>	Consuming Mill records in their application the available loads.
<b>Initiator</b>	Supplier/Sorting Location
<b>Receiver</b>	Consuming Mill.
<b>Preconditions</b>	Supplier is a valid trading partner. Supplier has a load of recycle product available.
<b>Trigger</b>	Load information is entered into supplier's application. Load is scheduled in the application for availability
<b>Step 1.</b>	Supplier posts dates and products in their application.
<b>Step 2.</b>	Supplier sends Load Schedule to consuming mill
<b>Results</b>	Consuming mill's system update the anticipated loads and release numbers and begins the process of tendering the loads to the carriers.

#### Scenario B'

<b>Message</b>	LoadAvailable
<b>Type</b>	LoadAvailableConfirmation
<b>Scenario</b>	The Consuming mill sends the Supplier a Reject Status for each load rejected and reason rejected (additional text).
<b>Outcome</b>	Supplier records in their application the load was rejected by the consuming mill.
<b>Initiator</b>	Supplier sending LoadAvailable and Consuming mill rejects the load.
<b>Receiver</b>	Supplier.
<b>Preconditions</b>	Supplier sent the LoadAvailable and load was rejected

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<b>XML File</b>	The name of any sample file.
<b>Trigger</b>	Load is rejected by the consuming mill
<b>Step 1.</b>	Consuming Mills Send LoadAvailableConfirmation, rejected with reason
<b>Step 2.</b>	Supplier updates their load as rejected.
<b>Results</b>	The Supplier application marks load as rejected and take appropriate action.

#### Scenario C

<b>Message</b>	Load Available, status Amended (date only)
<b>Type</b>	LoadAvailable
<b>Scenario</b>	Supplier sends a shipment/load availability schedule to Consuming Mill with the new available date.
<b>Outcome</b>	Consuming mill changes the available date in their application.
<b>Initiator</b>	Supplier/Sorting Location
<b>Receiver</b>	Consuming Mill.
<b>Preconditions</b>	Supplier is a valid trading partner. Supplier has a change to the load available date
<b>Trigger</b>	Date change is entered into supplier's application.
<b>Step 1.</b>	Date change is entered into supplier's application.
<b>Step 2.</b>	Supplier sends date change to consuming mill. Only the changed load is resent to the consuming mill.
<b>Results</b>	Consuming mill's system updates the load available date. CSR is notified of change.

#### Scenario C'

<b>Message</b>	LoadAvailable
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<b>Type</b>	LoadAvailableConfirmation
<b>Scenario</b>	The Consuming mill sends the Supplier a load release number for each load.
<b>Outcome</b>	Supplier records in their application the release numbers for each load.
<b>Initiator</b>	Supplier sending LoadAvailable and Consuming mill assigned released numbers.
<b>Receiver</b>	Supplier.
<b>Preconditions</b>	Supplier sent the LoadAvailable and release number assigned.
<b>Trigger</b>	Assigning release number to the load
<b>Step 1.</b>	Consuming Mills Send LoadAvailableConfirmation
<b>Step 2.</b>	Supplier updates their load with release number
<b>Results</b>	The Supplier system updates the each load with the consuming mill's release number. Supplier system creates a shipment.

### Scenario D

<b>Message</b>	Load Available, status Cancelled by the supplier
<b>Type</b>	LoadAvailable
<b>Scenario</b>	Supplier sends a shipment/load availability cancellation to Consuming Mill.
<b>Outcome</b>	Consuming Mill cancels the load in their application
<b>Initiator</b>	Supplier/Sorting Location
<b>Receiver</b>	Consuming Mill.
<b>Preconditions</b>	Supplier has to have a release number for the load being cancelled. Mutually agreed upon time limit.
<b>XML File</b>	The name of any sample file.
<b>Trigger</b>	Supplier cancels load in their application.

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<b>Step 1.</b>	Supplier cancels load in their application.
<b>Step 2.</b>	Supplier sends Load cancel to consuming mill
<b>Results</b>	Consuming mill's system update the load as cancelled. Notifies carrier if needed.

### Scenario D'

<b>Message</b>	LoadAvailable (cancel accepted, with TransactionHistory)
<b>Type</b>	LoadAvailableConfirmation
<b>Scenario</b>	The Consuming mill sends the Supplier an Accept for each cancellation.
<b>Outcome</b>	Supplier records in their application that the rejected load was accepted by the consuming mill.
<b>Initiator</b>	Consuming mill sending load cancelled acceptance
<b>Receiver</b>	Supplier
<b>Preconditions</b>	Supplier sent the LoadAvailable cancelled and load cancel was accepted by consuming mill.
<b>Trigger</b>	Load is cancelled by the supplier
<b>Step 1.</b>	Consuming Mills Send LoadAvailableConfirmation, accepted with appropriate transaction history number
<b>Step 2.</b>	Supplier updates their cancelled load as accepted
<b>Results</b>	The Supplier application marks load as truly rejected and take appropriate action. Consuming mill marks the load as cancelled.

### Scenario E

<b>Message</b>	Load Available, status Cancelled by the consuming mill
<b>Type</b>	LoadAvailable



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<b>Scenario</b>	Consuming mill sends a load cancelled.
<b>Outcome</b>	Supplier cancels load in their application
<b>Initiator</b>	Consuming mill
<b>Receiver</b>	Supplier
<b>Preconditions</b>	The load was originally accepted by the consuming mill and a release number has been sent to the the supplier
<b>Trigger</b>	Consuming mill does not want the load.
<b>Step 1.</b>	Consuming mill cancels load in their application
<b>Step 2.</b>	Consuming mill sends cancel to supplier
<b>Results</b>	Supplier cancels load in their application. CSR is notified.

### Scenario E'

<b>Message</b>	LoadAvailable Cancel acceptance (by the supplier)
<b>Type</b>	LoadAvailableConfirmation
<b>Scenario</b>	The supplier send the cancellation acceptance to the consuming mill.
<b>Outcome</b>	Consuming mill records in their application that the cancel load has been received and accepted by the supplier
<b>Initiator</b>	Supplier
<b>Receiver</b>	Consuming mill
<b>Preconditions</b>	Consuming mill sent the LoadAvailable cancellation.
<b>XML File</b>	The name of any sample file.
<b>Trigger</b>	Supplier accepts the load cancellation
<b>Step 1.</b>	Supplier accepts the cancellation in their application.
<b>Step 2.</b>	Supplier sends cancel accepted to consuming

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	mill
<b>Results</b>	The consuming mill updates the cancelled load as accepted