



papiNet

**Global Transaction Standards
for the Paper Supply Chain**

InventoryStatus Documentation

Papinet Standard - Version 2.10

April 2003

InventoryStatus Documentation - papiNet Standard - Version 2.10

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Message Documentation

The Inventory Status Message

An Overview of the Inventory Status Message

The InventoryStatus message informs involved parties about physical inventory levels at specific stock location/locations, e.g. warehouse, terminal, printer etc., at a certain time, snap-shot information.

The message can be used for:

- The total stock situation or for the situation on a specific order item.
- VMI (Vendor managed inventory)
- Stock reconciliation

Prior to implementing an Inventory Status message it is assumed that the parties involved have already opened a dialogue and a collaborative agreement has been reached. Such an agreement would include frequency of messages, content details, units of measure, etc.

A trading partner sends an Inventory Status message to another trading partner on an agreed event basis, monthly, weekly, upon stock-take etc. or as a response to an Information Request message of InventoryStatus type. If the request includes a StatusAsOfDate the "snapshot" of the inventory should be taken at that time.

The Scope of Inventory Status Message

The Inventory Status message can include:

- RequestNumber
- RequestingParty
- BuyerParty
- SupplierParty
- EndUserParty
- OtherParty
- InventoryStatusReference
- AdditionalText
- InventoryStatus-LineItemDetail
- NumberOfInventoryStatus-LineItemDetails
- InformationalQuantity

The Inventory Status message must include:

- InventoryStatusIssuedDate
- InventoryStatusNumber
- SenderParty
- LocationParty
- InventoryStatusLineItemNumber
- ByPurchaseOrder or BySupplierOrder or ByProduct
- Quantity

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Inventory Status Message Types

There are three message types for the InventoryStatus message. To get new and/or corrected information a new message has to be sent.

The three InventoryStatus types are:

- ByPurchaseOrder
- ByProduct
- BySupplierOrderNumber

Inventory Status Business Rules

General Inventory Status Business Rules

The following table lists the business rules that apply to the InventoryStatus message.

Reference	Rule
IS001	InventoryStatus cancellations are handled via sending a new message.
IS002	An InventoryStatus message can originate from any trading party.
IS003	The message frequency and level of detail is defined within the Trading Partner Agreement.
IS004	If the InfoRequestType is "InventoryStatus" and the InventoryStatusRequestDetailType is "ByPurchaseOrder" then, the InventoryStatus message must contain inventory line item detail from the viewpoint of the purchase order (ByPurchaseOrder).
IS004	If the InfoRequestType is "InventoryStatus" and the InventoryStatusRequestDetailType is "BySupplierOrderNumber" then, the InventoryStatus message must contain inventory line item detail from the viewpoint of the supplier's order number (BySupplierOrder).
IS004	If the InfoRequestType is "InventoryStatus" and the InventoryStatusRequestDetailType is "ByProduct" then, the InventoryStatus message must contain inventory line item detail from the viewpoint of the product (ByProduct).
IS007	If the InfoRequestType is "InventoryStatus" and the InventoryStatusReportingDetailType is "DetailedInventory" the InventoryStatus message will contain inventory line item detail (i.e. package, reel info).

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Reference	Rule
IS008	If the InfoRequestType is "InventoryStatus" and the InventoryStatusReportingDetailType is "AggregatedInventory" the InventoryStatus message will not contain inventory line item detail (i.e. package, reel info)
IS009	If the InventoryStatus message is in response to an InfoRequest message, the RequestNumber must be included and reflect the RequestNumber of the InfoRequest.
IS010	The InventoryStatus can only be asked for in advance, i.e. no historical information can be requested

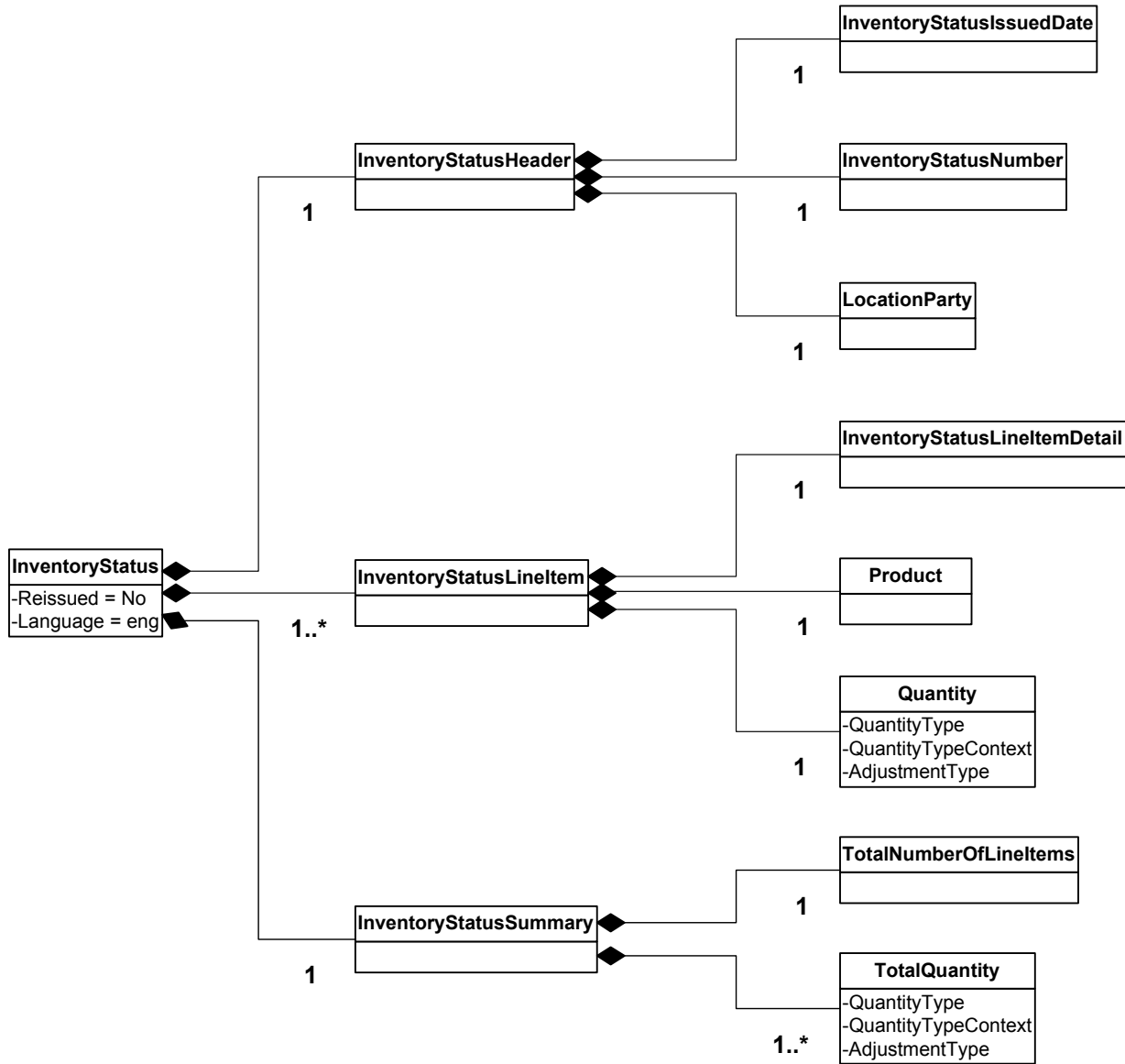
Processing the Inventory Status Message

Message processing depends on the Business partnership agreement, and can be sent on time, daily, weekly or monthly or can be triggered by an event at the warehouse, such as update of a physical stock-take entry, inventory changes etc. It can also be a generated as a response to an InfoRequest message. In the request it is possible to ask for a detailed or an aggregated version of the message. The detailed message contains the same information as the aggregated but it also contains information on individual items, InventoryStatusLineItemDetail(s) (i.e. package, reel, pallet etc) There is also a possibility to make the selection of inventory asked for more precise by entering more information in the request message such as Specifying one or several SupplierParty or one or several EndUserParty(s). All this has to be agreed upon in the TPA.

Amendments are handled through replacement of old message and therefore no amendment handling is defined for the message.

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High-level UML Diagram of Inventory Status



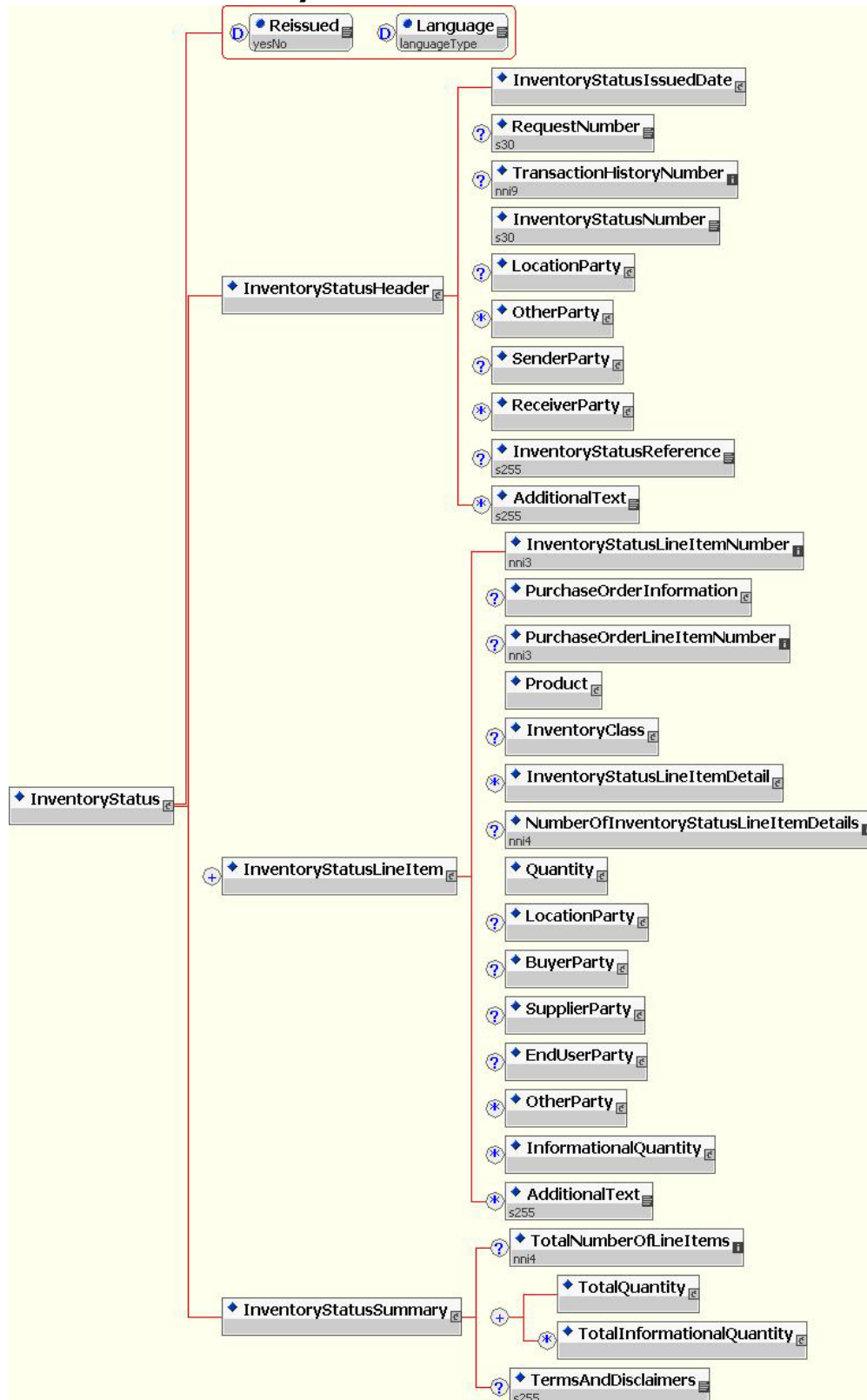
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Overview of Inventory Status Schema Structure

	Type	Required	Occurrence
InventoryStatus	Root		
@Reissued	Attribute	Optional	Single
@Language	Attribute	Optional	Single
InventoryStatusHeader	Element	Required	Single
InventoryStatusIssuedDate	Element	Required	Single
TransactionHistoryNumber	Element	Optional	Single
InventoryStatusNumber	Element	Required	Single
LocationParty	Element	Optional	Single
OtherParty	Element	Optional	Multiple
SenderParty	Element	Optional	Single
ReceiverParty	Element	Optional	Multiple
InventoryStatusReference	Element	Optional	Single
AdditionalText	Element	Optional	Multiple
InventoryStatusLineItem	Element	Required	Multiple
InventoryStatusLineItemNumber	Element	Required	Single
PurchaseOrderInformation	Element	Optional	Single
PurchaseOrderLineItemNumber	Element	Optional	Single
Product	Element	Required	Single
InventoryClass	Element	Optional	Single
InventoryStatusLineItemDetail	Element	Optional	Multiple
NumberOfInventoryStatusLineItemDetails	Element	Optional	Single
Quantity	Element	Required	Single
LocationParty	Element	Optional	Single
BuyerParty	Element	Optional	Single
Supplier	Element	Optional	Single
EndUserParty	Element	Optional	Single
OtherParty	Element	Optional	Single
InformationalQuantity	Element	Optional	Multiple
AdditionalText	Element	Optional	Multiple
InventoryStatusSummary	Element	Required	Single
TotalNumberOfLineItems	Element	Optional	Single
TotalQuantity	Element	Required	Multiple
TotalInformationalQuantity	Element	Optional	Multiple
TermsAndDisclaimers	Element	Optional	Single

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Overview of InventoryStatus Schema Structure



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Inventory Status Schema Structure and Processing Logic

This section provides a detailed graphical view of the InventoryStatus Schema structure; the InventoryStatus root element, the InventoryStatusHeader, the InventoryStatusLineItem, and the InventoryStatusSummary. Discussions of the subordinates to Invoice can be found in the Glossary document and a review of the data-types can be found in the Design document (available at www.papiNet.org). This section also contains a review of the processing logic that is special to the InventoryStatus message.

The graphical display of the Schema contains occurrence indicators and data type information. These indicators appear to the left of the boxes in the schema graphic and they have the following meanings:

- (Blank) Required, single instance
- (+) Required, multiple instances
- (?) Optional, single instance
- (*) Optional, multiple instances

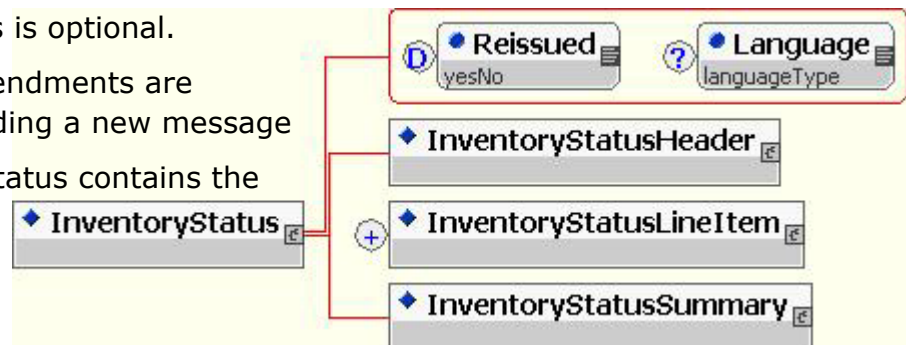
InventoryStatus Root

InventoryStatus is optional.

Changes or amendments are handled by sending a new message

The InventoryStatus contains the following attributes:

- [Reissued](#)
 - ✧ Yes
 - ✧ No



An attribute to communicate the Language

- [Language](#), optional defaults to "eng" (English)
 - ✧ Indicates the language for the content of the message.

The Inventory Status also contains the following elements:

- [InventoryStatusHeader](#)
- [InventoryStatusLineItem](#)
- [InventoryStatusSummary](#)

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InventoryStatusHeader

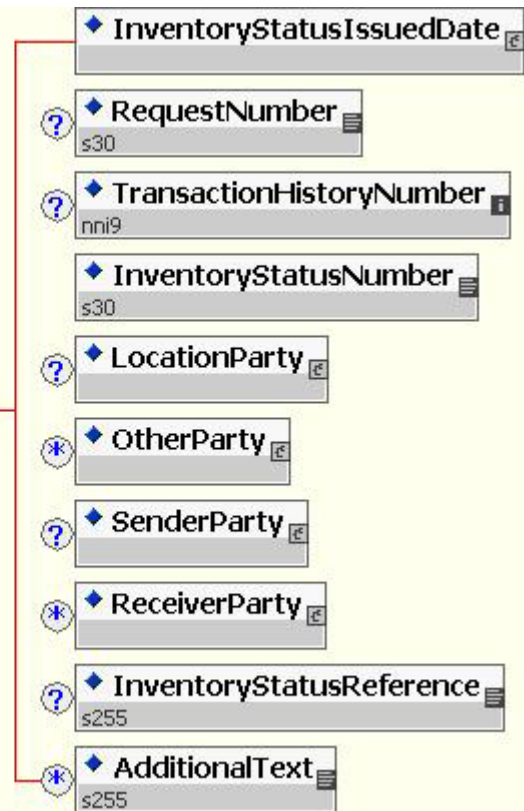
A single InventoryStatusHeader is required.

The InventoryStatusHeader contains the following elements:

- [InventoryStatusIssuedDate](#)
- [RequestNumber](#)
- [TransactionHistoryNumber](#)
- [InventoryStatusNumber](#)



- [LocationParty](#)
- [OtherParty](#)
- [SenderParty](#)
- [ReceiverParty](#)
- [InventoryStatusReference](#)
- [AdditionalText](#)



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InventoryStatusLineItem

Multiple

InventoryStatusLineItem instances are allowed; at least one is required.

- [InventoryStatus-LineItemNumber](#)
- [PurchaseOrder-Information](#)
- [PurchaseOrder-LineItemNumber](#)
- [Product](#)
- [InventoryClass](#)
- [InventoryStatus-LineItemDetail](#)

InventoryStatusLineItem

- [NumberOf-InventoryStatus-LineItemDetails](#)
- [Quantity](#)
- [LocationParty](#)
- [BuyerParty](#)
- [SupplierParty](#)
- [EndUserParty](#)
- [OtherParty](#)
- [InformationalQuantity](#)
- [AdditionalText](#)

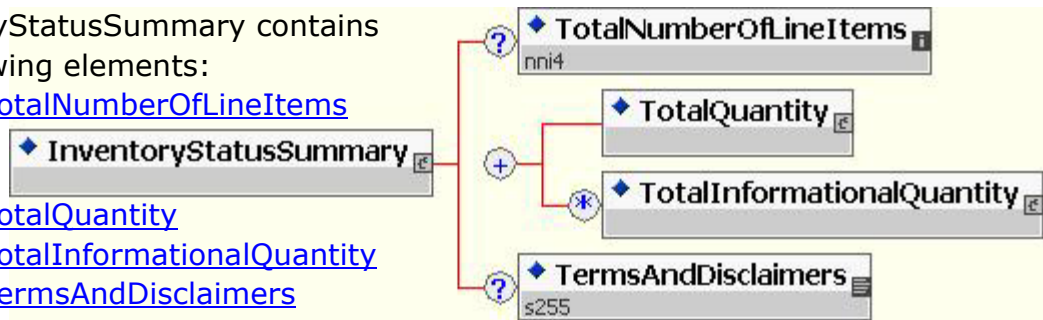


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InventoryStatusSummary

InventoryStatusSummary contains the following elements:

- [TotalNumberOfLineItems](#)
- [TotalQuantity](#)
- [TotalInformationalQuantity](#)
- [TermsAndDisclaimers](#)



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Common Definition References - Elements

AdditionalText

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. This element is repeatable and limited to the number of characters that would normally fit across a page.

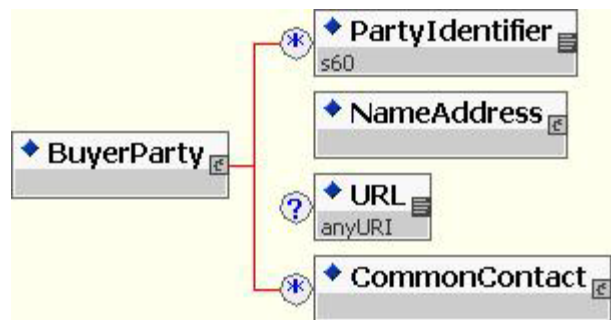


BuyerParty

The organisation or legal entity authorised to issue the purchase order. See [Party](#) for structure.

BuyerParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

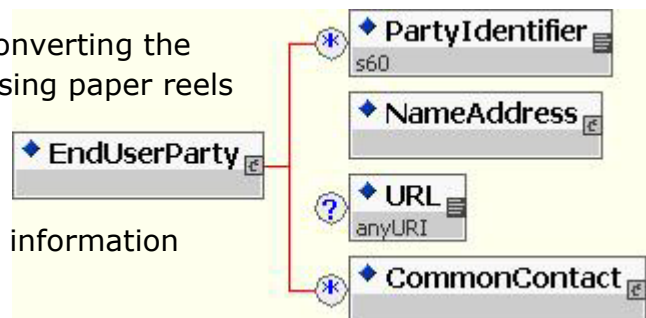


Refer to [Party](#) for additional information

EndUserParty

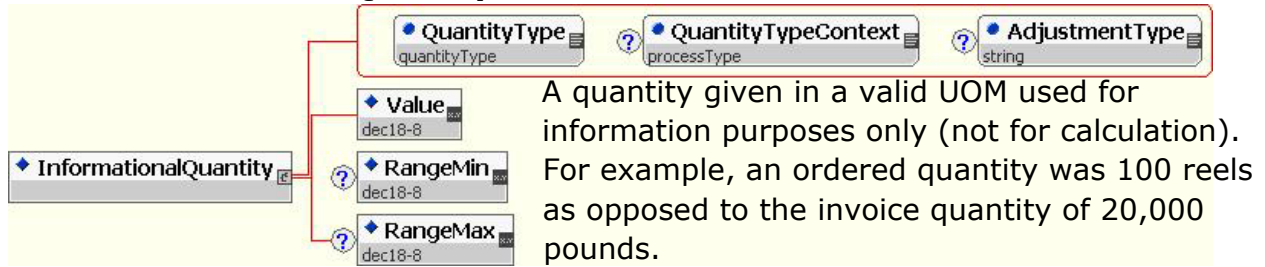
The party using, consuming, or converting the product. For example, a printer using paper reels for a print job for a publisher.

The final ShipTo destination for a product is normally to the end user's facilities. Refer to [Party](#) for information about the structure.



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InformationalQuantity



InformationalQuantity contains the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

And the following elements:

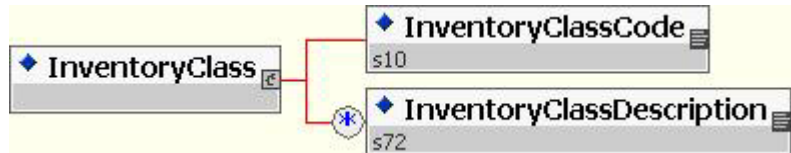
- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

InventoryClass

An identification of the inventory item's state of availability.

Contains:

- InventoryClassCode
- InventoryClassDescription



InventoryStatusLineItemDetail



A group element that contains inventory status details.

InventoryStatusLineItemDetail contains:

- [InventoryStatusLineItemDetailNumber](#)
- [PackageInformation](#)

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InventoryStatusIssuedDate

The effective date of the InventoryStatus message.

InventoryStatusIssuedDate contains the following elements:

- [Date](#)
- [Time](#)



InventoryStatusLineNumber

An identifier that allows for unique identification of the InventoryStatusLineItem.



InventoryStatusNumber

An identifier that allows for unique identification of the InventoryStatusLineItem.



InventoryStatusReference



A group item detailing relevant references pertaining to the InventoryChange, identified by [InventoryStatusReferenceType](#).

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LocationParty

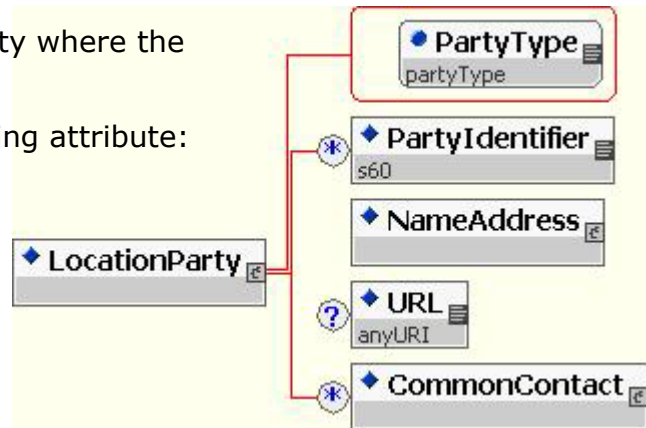
The organization or business entity where the product event take place.

LocationParty contains the following attribute:

- [PartyType](#)

It also contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



LocationParty is based on the [Party](#) element group.

NumberOfInventoryStatusLineItemDetails

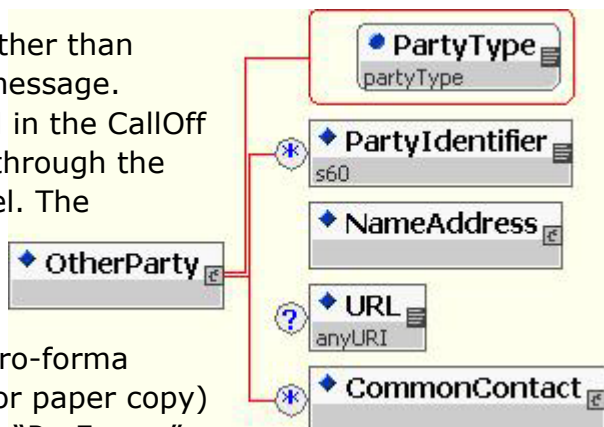
The number of InventoryStatusLineItemDetail elements included in the message



OtherParty

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

- CallOff - If a carrier is specified in the CallOff message, this should be done through the CarrierParty on the header level. The PartyType "Carrier" should not be used.
- Invoice - The seller may generate multiple copies of a pro-forma invoice and a copy (electronic or paper copy) sent to the OtherParty that has "ProForma" assigned to the PartyType attribute.



OtherParty contains the [PartyType](#) attribute.

OtherParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)
 - ✧ Refer to [Party](#) for additional information

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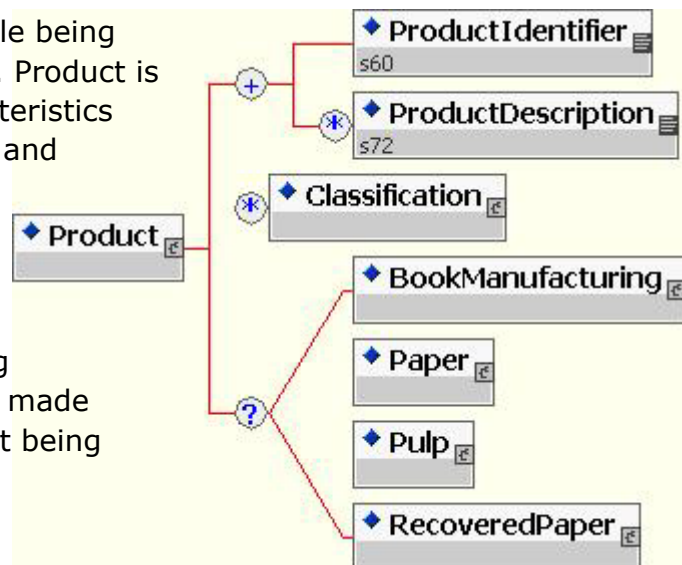
Product

A group item defining the article being ordered and its characteristics. Product is used to specify product characteristics organized by ProductIdentifier and Classification.

- [ProductIdentifier](#)
- [ProductDescription](#)
- [Classification](#)

A choice of one of the following "market-segment" elements is made based upon the type of product being ordered.

- [BookManufacturing](#)
- [Paper](#)
- [Pulp](#)
- [RecoveredPaper](#)



Pulp and Paper are the only products whose characteristics and conversion features have been implemented in papiNet. Recovered Paper and Book Manufacturing are in process and additional product types are under consideration based upon user input.

PurchaseOrderInformation

A group item containing information unique to this purchase order, which is provided by the



PurchaseOrderInformation has the following elements:

- [PurchaseOrderNumber](#)
- [PurchaseOrderReleaseNumber](#)
- [PurchaseOrderIssuedDate](#)
- [PurchaseOrderReference](#)



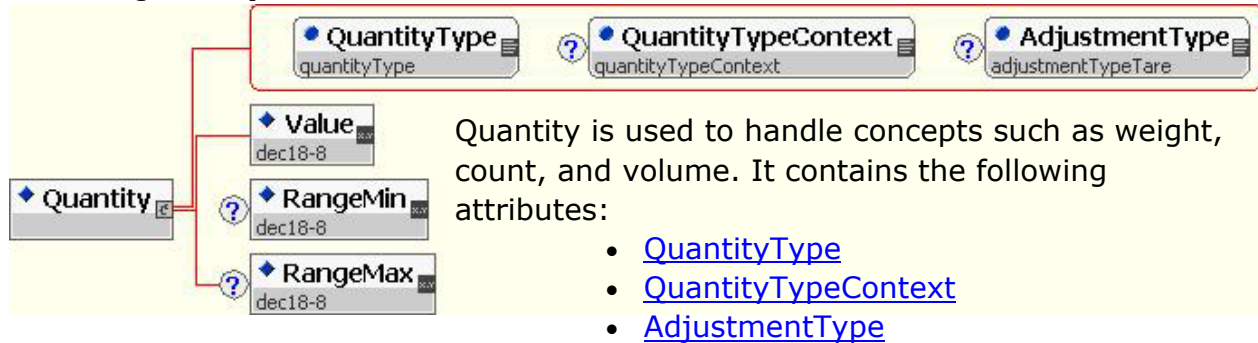
PurchaseOrderLineItemNumber

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



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Quantity



Quantity uses the [Measurement](#) group and has the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

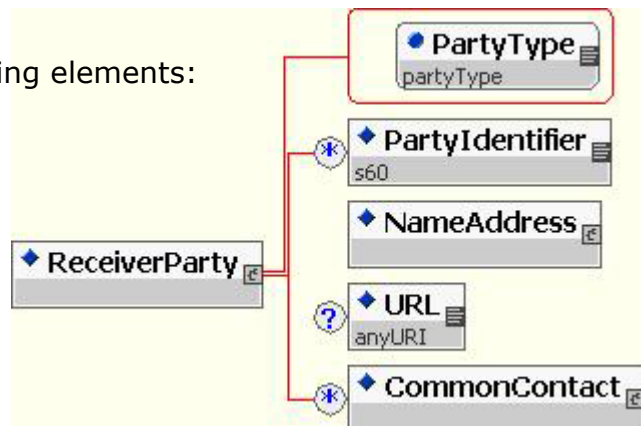
ReceiverParty

The party for whom the information (message) is intended, typed by the attribute [PartyType](#).

ReceiverParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



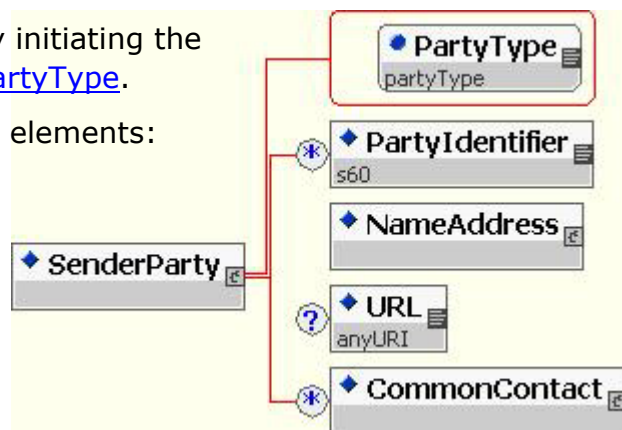
SenderParty

The organisation or business entity initiating the message, typed by the attribute [PartyType](#).

SenderParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

Refer to [Party](#) (in the Glossary) for additional information.



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RequestNumber

A unique tracking number specifically identifying this InfoRequest message to the originator.

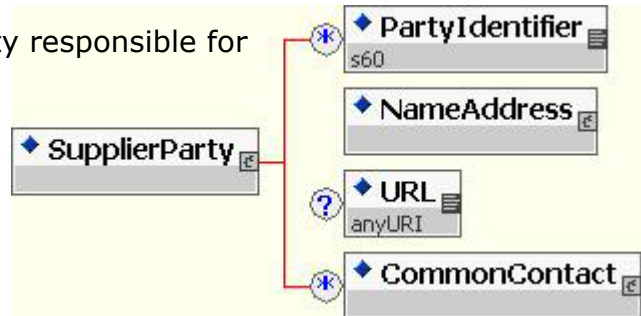


SupplierParty

The organisation or business entity responsible for providing the product.

SupplierParty contains the following elements:

- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)



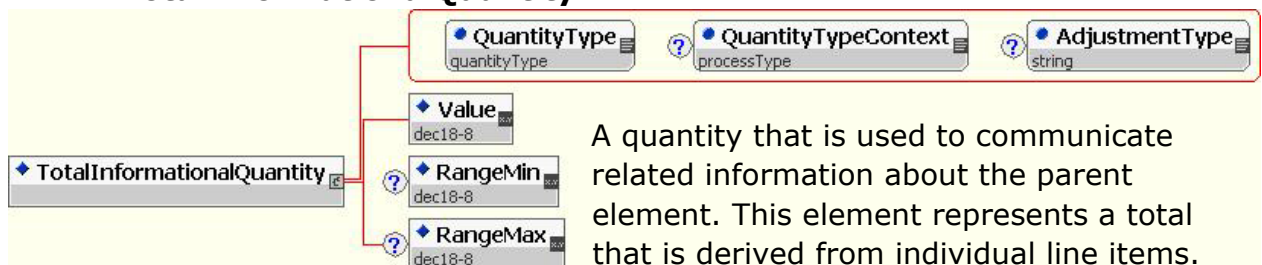
Refer to [Party](#) for additional information

TermsAndDisclaimers

A repeatable element that contains legal information with an indication of what the [Language](#) is.



TotalInformationalQuantity



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.

TotalInformationalQuantity contains the following attributes:

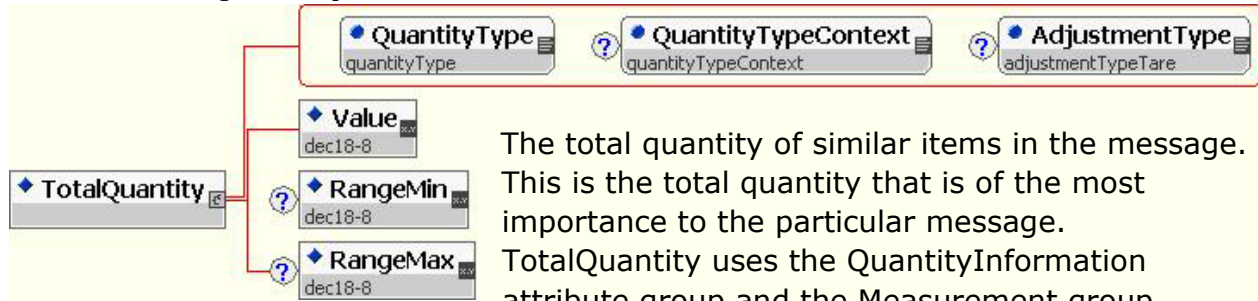
- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalInformationalQuantity contains the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

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TotalQuantity



(element grouping).

TotalQuantity uses the following attributes:

- [QuantityType](#)
- [QuantityTypeContext](#)
- [AdjustmentType](#)

TotalQuantity uses the following elements:

- [Value](#)
- [RangeMin](#)
- [RangeMax](#)

TotalNumberOfLineItems

The total number of individual line items in the message.



TransactionHistoryNumber

A sequential number that keeps track of the version of any document being sent by the message originator.



OrderConfirmation– Used to associate an OrderConfirmation message with a specific PurchaseOrder message. This is the same number that was sent in the original purchase order.

Common Definition References - Attributes

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InventoryStatusReferenceType

Provides the context for the InventoryChangeReference. Uses a restricted version of the [referenceType](#) data type

Used in:

- InventoryStatusReference

Choices:

- AccountNumber
- BuyerClaimNumber
- CMRNumber
- ContractLineNumber
- ContractNumber
- IndentOrderNumber
- IntraStatNumber
- ISODocument-Reference
- MillOrder-LineItemNumber
- MillOrderNumber
- OriginalInvoiceNumber
- Other
- StockOrderNumber
- SupplierClaimNumber
- SupplierReference-Number
- SupplierVoyageNumber

Language

XML has embraced 2 and 3 digit language codes through the application of an addendum to the standard. The various references are provided below.

papiNet has set the default value for Language to "eng". RFC3066 would indicate that it should be set to "en" however, we feel that it is more appropriate to use the content-rich 3-digit codes whenever possible.

Used in:

- Availability
- BusinessAcknowledgement
- CallOff
- Complaint
- ComplaintResponse
- CreditDebitNote
- DeliveryMessage
- DeliveryMessageBook
- EndUses
- GoodsReceipt
- InfoRequest
- InventoryChange
- InventoryStatus
- Invoice
- OrderConfirmation
- OrderStatus
- PackagingDescription
- ProductDescription
- ProductQuality
- PurchaseOrder
- RFQ
- RFQResponse
- ShippingInstructions
- SenderProduct-AttributesDescription
- TermsAndDisclaimers
- Usage

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Choices:

- <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.

Reissued

Reissued is an optional attribute that indicates whether the document is an original or a copy. When this attribute is omitted the document is not a copy – it is an original. This is because No is the default.

Used in:

- | | |
|-----------------------|------------------------|
| • CallOff | • InventoryStatus |
| • Complaint | • Invoice |
| • ComplaintResponse | • OrderConfirmation |
| • CreditDebitNote | • ProductPerformance |
| • DeliveryMessage | • PurchaseOrder |
| • DeliveryMessageBook | • ShippingInstructions |
| • GoodsReceipt | • Usage |
| • InventoryChange | |

Choices:

- **Yes** – The document has been reissued.
- **No** – The document is the original.

statusType

Acts as a flag indicating what processing may be required.

- **Accepted** - Either the seller or the buyer accepts the header information.
- **Amended** - Either the seller or the buyer has changed the header information.
- **Cancelled**- The buyer has cancelled a line item that was sent in a previous message. Lines that have been cancelled are not included in Totals on the Summary levels of the message.
- **Counterproposal** - The sender is presenting a different proposal.
- **New** – This is the first time the message has been sent.
- **NoAction** – This call-off header has not been amended and thereby requires no action.
- **Original** - The message information is the first version of that information.

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- **Pending** - The seller will update the call-off line item at a later time.
- **Rejected** - The header information is rejected.
- **Replaced** - The entire message referred to has been replaced and the receiver should revalidate the information in their system based upon the entire message contents received.

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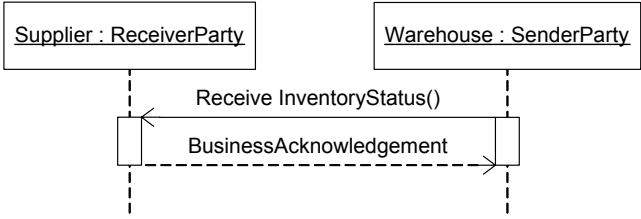
Inventory Status Business Use Cases

Listing of Business Use Cases

<u>Use Case A</u>	Stock check at warehouse
<u>Use Case B</u>	Stock report on regular basis
<u>Use Case C</u>	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal AggregatedInventory
<u>Use Case D</u>	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal DetailedInventory
<u>Use Case E</u>	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal AggregatedInventory and a specified Supplier
<u>Use Case F</u>	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal DetailedInventory and a specified Supplier
<u>Use Case G</u>	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal DetailedInventory and a specified PurchaseOrderNumber

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Scenario A

Message	Inventory Status
Business Scenario	<p>Warehouse performs a stock check and updates the figures in their system. An Inventory Status message is created and sent to supplier.</p>  <pre> sequenceDiagram participant Warehouse as Warehouse : SenderParty participant Supplier as Supplier : ReceiverParty Warehouse->>Supplier: Receive InventoryStatus() Supplier-->>Warehouse: BusinessAcknowledgement </pre>
Outcome	Status of inventory figures in warehouse
Initiator	Warehouse/Customer
Receiver	Supplier
Preconditions	The goods has to be delivered to the warehouse to be able to create an Inventory Status message
Trigger	Stock reconciliation
Step 1	Warehouse/customer sends an Inventory Status message to supplier
	<p>The following information that is included in the Inventory Status message is particular to this Use Case.</p> <ul style="list-style-type: none"> • Reel number/Package Id • Order no • Order type • Customer ID

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Scenario B

Message	Inventory Status
Message Type	stock report on regular basis
Business Scenario	<p>Weekly stock status report is sent to customer from printer</p> <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Printer->>Publisher: Receive InventoryStatus() Publisher-->>Printer: BusinessAcknowledgement </pre>
Outcome	Customer is informed about current stock situation at the print site
Initiator	Warehouse/Printer
Receiver	Customer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper. The message information content is agreed between the messaging partners
Trigger	Business partner agreement and printer system functions to send weekly stock reports.
Step 1	Printer sends Inventory status message to Publisher

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The use cases C-G are different variants of the same scenario but with different parameters. Common for all Use Cases are the structure described below:

Business scenario

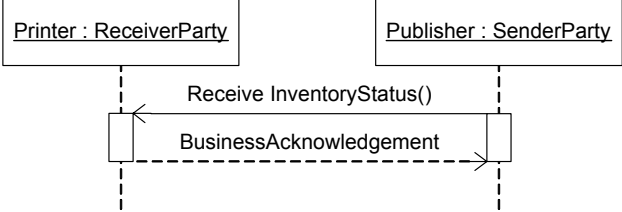
Publisher requests an Inventory status message from the Printer to get hold of the current stock situation at the printer, via an Information request message of InventoryStatus type. The Publisher can decide if he wants a detailed version containing item ID's or an aggregated version with just weights and numbers. He can also choose to specify more in detail what he like to have in the response; specific purchase order, order product, specific location etc.

The response depends on the InventoryStatusReportingDetailType. If it is DetailedInventory the message will contain all information available on a detail level for the customer (regulated by TPA). If InventoryStatus is communicating AggregatedInventory the message only contain number and weights at an aggregated level. Since these two types contain All you are not allowed to specify more information to precise the response. There are two more types of request that have the same name without the prefix all. In this case the requestor can ask for more précis information. He can ask for a specific product in a specific warehouse. (Has to be agreed in TPA)

Printer produces the current stock situation and sends requested information back to the Publisher

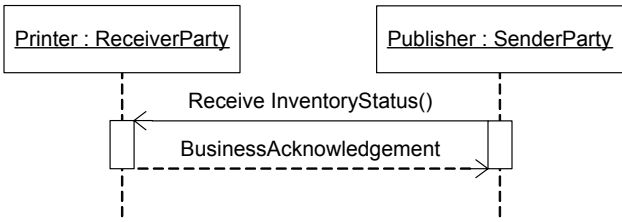
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Scenario C

Message	Inventory Status
Type	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal AggregatedInventory
Business Scenario	<p>Publisher requests an Inventory status message from the Printer to obtain the current stock situation on an aggregate level at the printer, via an Information request message of InventoryStatus type . The InfoRequest has InventoryStatusRequestDetailType = "ByPurchaseOrder" and InventoryStatusReportingDetailType = "AggregatedInventory"</p> <p>Printer produces the current stock situation on an aggregated level, not on reel level and sends requested information back to the Publisher</p>  <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Printer->>Publisher: Receive InventoryStatus() Publisher-->>Printer: BusinessAcknowledgement </pre>
Outcome	Publisher sends a request for Inventory status. Printer responds with a Inventory Status message
Initiator	Publisher/Printer
Receiver	Printer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper. The message information content is agreed between the messaging partners. The inventory message refers to the Request message.
Trigger	InfoRequest message of InventoryStatus type
Step 1	Publisher sends InfoRequest message of InventoryStatus type to Printer
Step 2	Printer performs an Inventory status report
Step 3	Printer send Inventory status message
	Additional information sent with message. Inventory status request message reference in the message

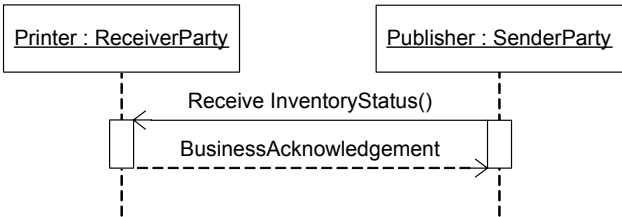
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Scenario D

Message	Inventory Status
Message Type	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType equal ByPurchaseOrder InventoryStatusReportingDetailType equal DetailedInventory
Business Scenario	<p>Publisher requests an Inventory status message from the Printer to get hold of the current stock situation on detailed level at the printer, via an Information request message of InventoryStatus type . The InfoRequest has</p> <ul style="list-style-type: none"> • InventoryStatusRequestDetailType = "ByPurchaseOrder" • InventoryStatusReportingDetailType = "DetailedInventory", and nothing more specified <p>Printer produces the current stock situation on a detailed level, all packages are specified, and the message will contain detailed information on each package. Printer sends the message back to the Publisher</p>  <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Printer->>Publisher: Receive InventoryStatus() Publisher-->>Printer: BusinessAcknowledgement </pre>
Outcome	Publisher sends a request for Inventory status. Printer responds with a Inventory Status message
Initiator	Publisher/Printer
Receiver	Printer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper. The message information content is agreed between the messaging partners. The inventory message refers to the Request message.
Trigger	InfoRequest message of InventoryStatus type
Step 1	Publisher sends InfoRequest message of InventoryStatus type to Printer
Step 2	Printer performs an Inventory status report
Step 3	Printer send Inventory status message
	Additional information sent with message. Inventory status request message reference in the message

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Scenario E

Message	Inventory Status
Type	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType = "ByPurchaseOrder" InventoryStatusRequestDetailType = "AggregatedInventory" and a specified Supplier
Business Scenario	<p>Publisher requests an Inventory status message from the Printer to get hold of the current stock situation for a specific Supplier on an aggregate level at the printer, via an Information request message of InventoryStatus type . The InfoRequest has</p> <ul style="list-style-type: none"> • InventoryStatusRequestDetailType = "ByPurchaseOrder" • InventoryStatusReportingDetailType = "AggregatedInventory and SupplierParty = "Supplier X" <p>Printer produces the current stock situation for Publishers paper made from "Supplier X" on an aggregated level, not on reel level and sends requested information back to the Publisher</p>  <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Publisher->>Printer: Receive InventoryStatus() Printer-->>Publisher: BusinessAcknowledgement </pre>
Outcome	Publisher sends a request for Inventory status. Printer responds with a Inventory Status message
Initiator	Publisher/Printer
Receiver	Printer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper. The message information content is agreed between the messaging partners.
Trigger	InfoRequest message of InventoryStatus type
Step 1	Publisher sends InfoRequest message of InventoryStatus type to Printer
Step 2	Printer performs an Inventory status report
Step 3	Printer send Inventory status message
	Additional information sent with message. Inventory status request message reference in the message

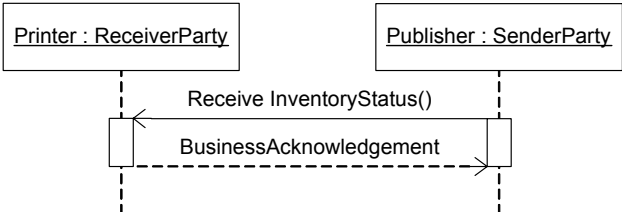
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Scenario F

Message	Inventory Status
Message Type	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType = "ByPurchaseOrder" InventoryStatusRequestDetailType = "DetailedInventory" and a specified Supplier
Business Scenario	<p>Publisher requests an Inventory status message from the Printer to get hold of the current stock situation on a detailed level at the printer, via an Information request message of InventoryStatus type . The InfoRequest has InventoryStatusRequestDetailType = "ByPurchaseOrder",</p> <ul style="list-style-type: none"> • InventoryStatusReportingDetailType = "DetailedInventory", and SupplierParty = "Supplier X" • Printer produces the current stock situation on a detailed level of all paper produced by "Supplier X" for the Publisher. All packages are specified and the message will contain detailed information on each package. Printer sends the message back to the Publisher <div style="text-align: center;"> <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Printer->>Publisher: Receive InventoryStatus() Publisher-->>Printer: BusinessAcknowledgement </pre> </div>
Use Case Outcome	Publisher sends a request for Inventory status. Printer responds with a Inventory Status message
Initiator	Publisher/Printer
Receiver	Printer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper. The message information content is agreed between the messaging partners.
Trigger	InfoRequest message of InventoryStatus type
Step 1	Publisher sends InfoRequest message of InventoryStatus type to Printer
Step 2	Printer performs an Inventory status report
Step 3	Printer send Inventory status message
	Additional information sent with message. Inventory status request message reference in the message

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Scenario G

Message	Inventory Status
Type	Response to InfoRequest of InventoryStatus type and InventoryStatusRequestDetailType = "ByPurchaseOrder" InventoryStatusRequestDetailType = "DetailedInventory" and a specified PurchaseOrderNumber
Business Scenario	<p>Publisher requests an Inventory status message from the Printer to get hold of the current stock situation on a detailed level on a specific PurchaseOrderNumber at the printer, via an Information request message of InventoryStatus type .</p> <ul style="list-style-type: none"> Printer produces the current stock situation on a detailed level for order 123456 produced by "Supplier X" for the Publisher. All packages are specified and the message will contain detailed information on each package. Printer sends the message back to the Publisher  <pre> sequenceDiagram participant Printer as Printer : ReceiverParty participant Publisher as Publisher : SenderParty Printer->>Publisher: Receive InventoryStatus() Publisher-->>Printer: BusinessAcknowledgement </pre>
Outcome	Publisher sends a request for Inventory status. Printer responds with a Inventory Status message
Initiator	Publisher/Printer
Receiver	Printer/Publisher
Preconditions	This Use Case assumes the Printer has previously received a Delivery Message from supplier of the paper.
Trigger	InfoRequest message of InventoryStatus type
Step 1	Publisher sends InfoRequest message of InventoryStatus type to Printer
Step 2	Printer performs an Inventory status report
Step 3	Printer send Inventory status message
	Additional information sent with message. Inventory status request message reference in the message