



papiNet

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

InfoRequest Documentation

Papinet Standard - Version 2.10

April 2003

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Message Documentation

The Information Request Message

An Overview of the Information Request Message

The purpose of the information request message (InfoRequest) is for the requesting party to indicate to the receiver party an update regarding the current status of either a purchase order or inventory status. The messages that may be returned in response to an InfoRequest are the OrderStatus, InventoryStatus, or Availability. The InfoRequest may originate directly from a buying organization, or indirectly via a web page or an internet-based industry exchange. The requests for inventory status or order status are mutually exclusive within the information request. If the Buyer Party wishes to receive both order status and inventory status, they must be requested by separate InfoRequest messages.

The Scope of the InfoRequest Message

InfoRequest message requirements

The InfoRequest message must include:

- InfoRequestType
- RequestNumber
- RequestingParty
- RespondToParty(s)
- InventoryStatusRequestDetail or OrderStatusRequestDetail or AvailabilityStatusRequestDetail

InventoryStatusRequestDetail requirements

The InventoryStatusRequestDetail must include:

- InventoryStatusRequestDetailType
- InventoryStatusReportingDetailType

The InventoryStatusRequestDetail must include a choice of:

- PurchaseOrderNumber
- Product definition information
- SupplierOrderNumber

OrderStatusRequestDetail requirements

The OrderStatusRequestDetail message must include:

- OrderStatusRequestDetailType

The OrderStatusRequestDetail message may include a choice of:

- PurchaseOrderNumber with either line number or product identification
- SupplierOrderNumber
- Product definition information

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AvailabilityStatusRequestDetail requirements

The AvailabilityStatusRequestDetail must include:

- Product definition information

PlanningRequestDetail requirements

The PlanningRequestDetail must include:

- Product

The PlanningRequestDetail may include:

- LocationParty
- BuyerParty
- ShipToParty
- EndUserParty

ProductQualityRequestDetail requirements

The ProductQualityRequestDetail must include:

- the ProductQualityRequestDetailType attribute
- A choice of either ShipToParty or OtherParty
- A choice of either ByPeriod, ByQualifiedPurchaseOrderInformation, ByQualifiedDeliveryMessage

The ProductQualityRequestDetail may include:

- SupplierParty

Business Rules for InfoRequest Message

General Business Rules

The following tables list the business rules that apply to InfoRequest message.

Reference	Rule
IR001	This message is unidirectional and may only be sent from the Requesting Party to the Supplier.
IR002	The InfoRequest must elicit a reply message of either: <ul style="list-style-type: none">• InventoryStatus• OrderStatus• Availability• Planning• ProductQuality

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Reference	Rule
IR003	<p>If the OrderStatusRequestDetailType is "ByProduct":</p> <ul style="list-style-type: none"> • OrderStatusRequestDetail/BySupplierOrderNumber may not be present • OrderStatusRequestDetail/ByPurchaseOrder may not be present • OrderStatusRequestDetail/Product may be optionally present <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the order product.</p>
IR004	<p>If the OrderStatusRequestDetailType is "ByPurchaseOrder":</p> <ul style="list-style-type: none"> • OrderStatusRequestDetail/BySupplierOrderNumber may not be present • OrderStatusRequestDetail/Product may not be present. • PurchaseOrderInformation (with optional PurchaseOrderLineNumber) may be optionally present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the purchase order.</p>
IR005	<p>If OrderStatusRequestDetailType is "BySupplierOrderNumber":</p> <ul style="list-style-type: none"> • OrderStatusRequestDetail/ByPurchaseOrder may not be present • OrderStatusRequestDetail/Product constructs may not be present • OrderStatusRequestDetail/BySupplierOrderNumber may optionally be present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the supplier's order number.</p>

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Reference	Rule
IR006	<p>If InventoryStatusRequestDetailType is "ByProduct":</p> <ul style="list-style-type: none"> • InventoryStatusRequestDetail/SupplierOrderNumber may not be present • InventoryStatusRequestDetail/PurchaseOrderInformation (with optional PurchaseOrderLineItemNumber) may not be present. • InventoryStatusRequestDetail/Product may be optionally present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the order product.</p>
IR007	<p>If InventoryStatusRequestDetailType is "ByPurchaseOrder":</p> <ul style="list-style-type: none"> • InventoryStatusRequestDetail/SupplierOrderNumber may not be present • InventoryStatusRequestDetail/Product may not be present. • The PurchaseOrderInformation (with optional PurchaseOrderLineItemNumber) may be optionally present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the purchase order.</p>
IR008	<p>If InventoryStatusRequestDetailType is "BySupplierOrderNumber":</p> <ul style="list-style-type: none"> • InventoryStatusRequestDetail/PurchaseOrderInformation may not be present • InventoryStatusRequestDetail/Product may not be present • The SupplierOrderNumber may be optionally present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the supplier's order number.</p>
IR009	<p>Unless the PurchaseOrderLineItemNumber is specified when:</p> <ul style="list-style-type: none"> • OrderStatusRequestDetailType is "ByPurchaseOrder" • InventoryStatusRequestDetailType is "ByPurchaseOrder" • ProductQualityRequestDetailType is "ByQualifiedPurchaseOrder" <p>the InfoRequest indicates a request for an update on all line item(s) within the purchase order.</p>

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Reference	Rule
IR010	Under the InventoryStatusRequestDetail hierarchy, the StatusAsOfDate element indicates the only date for which the InventoryStatus may be provided. This status must be provided after all transactions have closed for the date.
IR008	If the ProductQualityRequestDetailType is "ByPeriod", the ByPeriod construct must also be present. This request designation indicates that the requestor desires the response message to be from the viewpoint of the time periods.
IR009	<p>If ProductQualityRequestDetailType is "ByQualifiedPurchaseOrder":</p> <ul style="list-style-type: none"> • ProductQualityRequestDetail/ByQualifiedPurchaseOrderInformation must also be present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the purchase order.</p>
IR010	<p>If the ProductQualityRequestDetailType is "ByShipment":</p> <ul style="list-style-type: none"> • ProductQualityRequestDetail/ByQualifiedDeliveryMessage must be present. <p>This request designation indicates that the requestor desires the response message to be from the viewpoint of the shipment.</p>

Processing the InfoRequest Message

Message processing depends on the type of InfoRequest indicated. The table below lists the types of InfoRequest messages supported.

It is important that the trading partners have come to an agreement on the amount of information that is to be returned in a single request. The message supports a very broad range of requests which could produce vast numbers of purchase orders to be returned for example. The trading partners should agree to a limit of the number of line items to be returned in a given InfoRequest . This should be done in the Trading Partner Agreement.

When using the StatusAsOfDate Date in the InventoryStatusRequestDetail, the date specified normally is the same as the date of the request message or some future date. Dates in the past are supported in the message. However, the trading partnership agreement should specifically address if past dates will be supported in the relationship.

There are three occurrences of the Product construct in the Schema. The first occurrence optionally permits the requestor to choose to request information

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by a Product alone or by choosing a PurchaseOrder or the SupplierOrderNumber related construct. If one of the Purchase Order construct or BySupplierOrderNumber is chosen, then the request is for purchase orders or supplier order numbers. In these instances, the requestor is then provided the capability to request a particular Product contained within the specified order. If the Product does not appear on the order indicated, then an error will be returned in the BusinessAcknowledgment.

Status Values when Processing the InfoRequest Message

Level	Attribute	Value
Message	InfoRequestType	<p>InventoryStatus – Indicates that an InventoryStatus message is being requested from the recipient.</p> <p>OrderStatus – Indicates that an OrderStatus message is being requested from the recipient.</p> <p>Availability – Indicates that an Availability message is being requested from the recipient.</p> <p>Planning – Indicates that a Planning message is being requested from the recipient.</p> <p>ProductQuality – Indicates that a ProductQuality message is being requested from the recipient.</p>
OrderStatus-RequestDetail	OrderStatus-RequestDetailType	<p>ByPurchaseOrder – Indicates that the Sender's is requesting the response message should be from the viewpoint of the purchase order.</p> <p>BySupplierOrderNumber – Indicates that the Sender's is requesting the response message should be from the viewpoint of the supplier's order number.</p> <p>ByProduct – Indicates that the Sender's is requesting the response message should be from the viewpoint of the order product.</p>

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Level	Attribute	Value
Inventory-Status-RequestDetail	InventoryStatus-RequestDetailType	<p>ByPurchaseOrder – Indicates that the Sender’s is requesting the response message should be from the viewpoint of the purchase order.</p> <p>BySupplierOrderNumber – Indicates that the Sender’s is requesting the response message should be from the viewpoint of the supplier’s order number.</p> <p>ByProduct – Indicates that the Sender’s is requesting the response message should be from the viewpoint of the order product.</p>
Inventory-Status-RequestDetail	InventoryStatus-Reporting-DetailType	<p>AggregatedInventory – The InventoryStatus message should provide the inventory status at an aggregate level at an aggregate level without product level information.</p> <p>DetailedInventory – the InventoryStatus message should summarize the status of inventory provide a detailed status of all inventory including product level information</p>
Product-Quality-RequestDetail	ProductQuality-RequestDetailType	<p>ByPurchaseOrder – Indicates that the Sender’s is requesting the response message should be from the viewpoint of the purchase order.</p> <p>ByPeriod – Indicates that the Sender’s is requesting the response message should be from the viewpoint of time periods.</p> <p>ByShipment – Indicates that the Sender’s is requesting the response message should be from the viewpoint of the shipment (as identified by a DeliveryMessage).</p>

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Business Process Logic and Structure Premise:

The InfoRequest message is designed to instruct the Seller to reply with one of four typical responses – an InventoryStatus, OrderStatus, Availability, or Planning.

- The InfoRequest may be used by the sender to request the status of inventory by optionally including Product, or ByPurchaseOrder or BySupplierOrderNumber.
- The InfoRequest message is also designed to allow the sender to request the status of a purchase order that has been previously sent (and is currently being processed within the seller's order fulfilment and manufacturing system).

If the sender requests an inventory status, the request may be for a specific product, a purchase order, or both.

If the sender requests an order status, this request may be for a specific order, or for selected lines, specified product, and perhaps for a specific location. It is also possible that the sender may request a list of purchase orders or supplier order numbers or order product.

There may be only one request for status per InfoRequest message. That is, status may be requested for only one purchase order or sales order for an OrderStatus request or for one purchase order by location for an InventoryStatus request

Basic business process example

An example for the InfoRequest message between buyer and supplier:

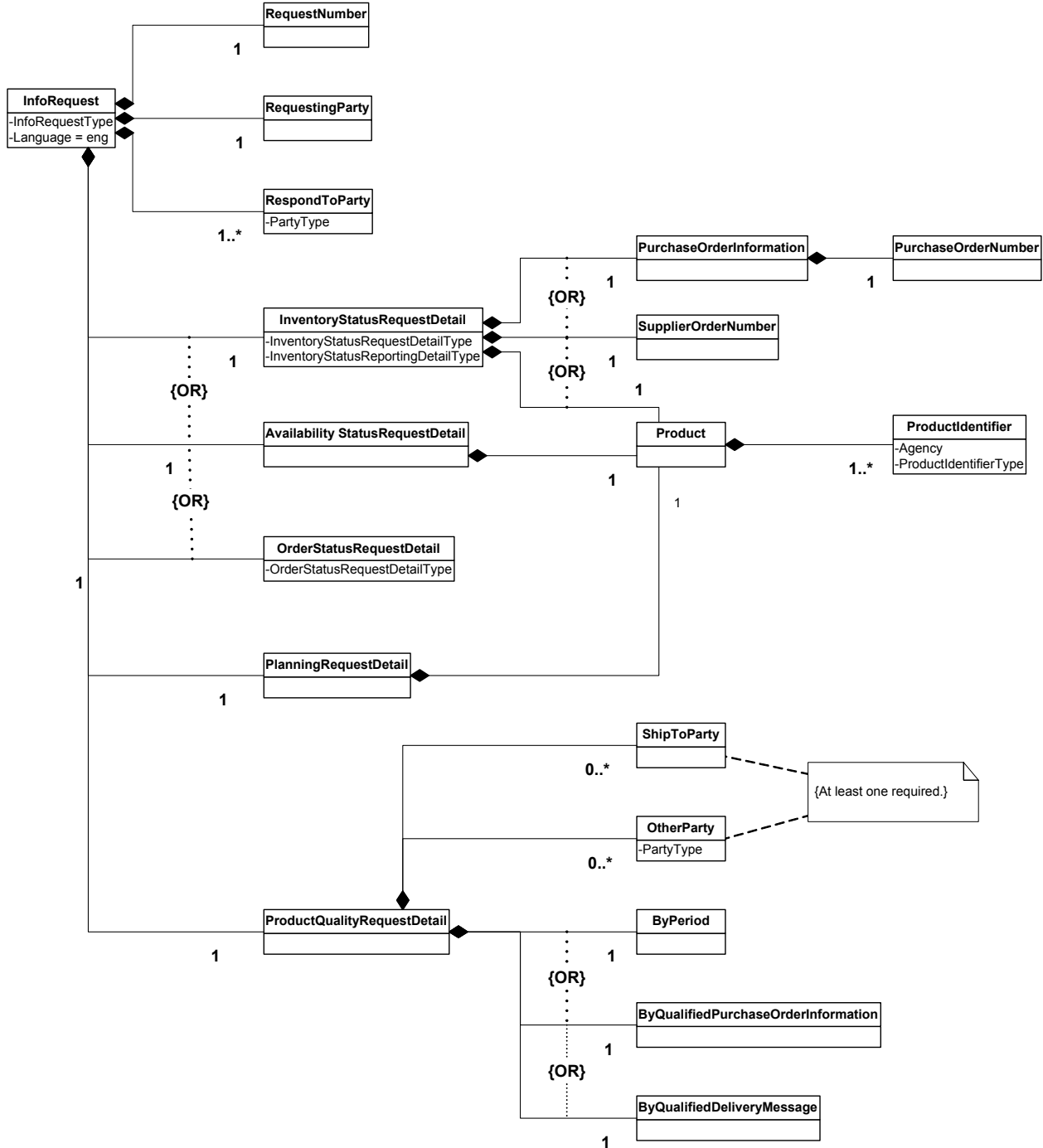
1. Buyer sends InfoRequest message to supplier to inquire about the availability of inventory. The InfoRequestType is "Availability". The Buyer may indicate the location for which status is desired.
2. The Availability message is returned by the Seller
3. Buyer sends PurchaseOrder message to supplier
4. Supplier returns an OrderConfirmation message
5. Buyer sends an InfoRequest message to supplier to inquire about the OrderStatus within the supplier's manufacturing and fulfilment system. The InfoRequestType is "OrderStatus".
6. The OrderStatus message is returned by the Seller. This message may not be integrated within a back-end system. A more likely scenario is for the OrderStatus message to be transformed via a stylesheet into an on-screen display for the Requestor to view.
7. Buyer sends an InfoRequest message to supplier to inquire about the InventoryStatus within the supplier's manufacturing and fulfilment system. The InfoRequestType is "InventoryStatus".
8. The InventoryStatus message is returned by the Seller.

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9. Buyer sends an InfoRequest message to supplier to inquire about the ProductQuality of supplier's product that was ordered. The InfoRequestType is "ProductQuality".
10. The ProductQuality message is returned by the Seller

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High-level UML Diagram of InfoRequest



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Overview of InfoRequest Schema Structure

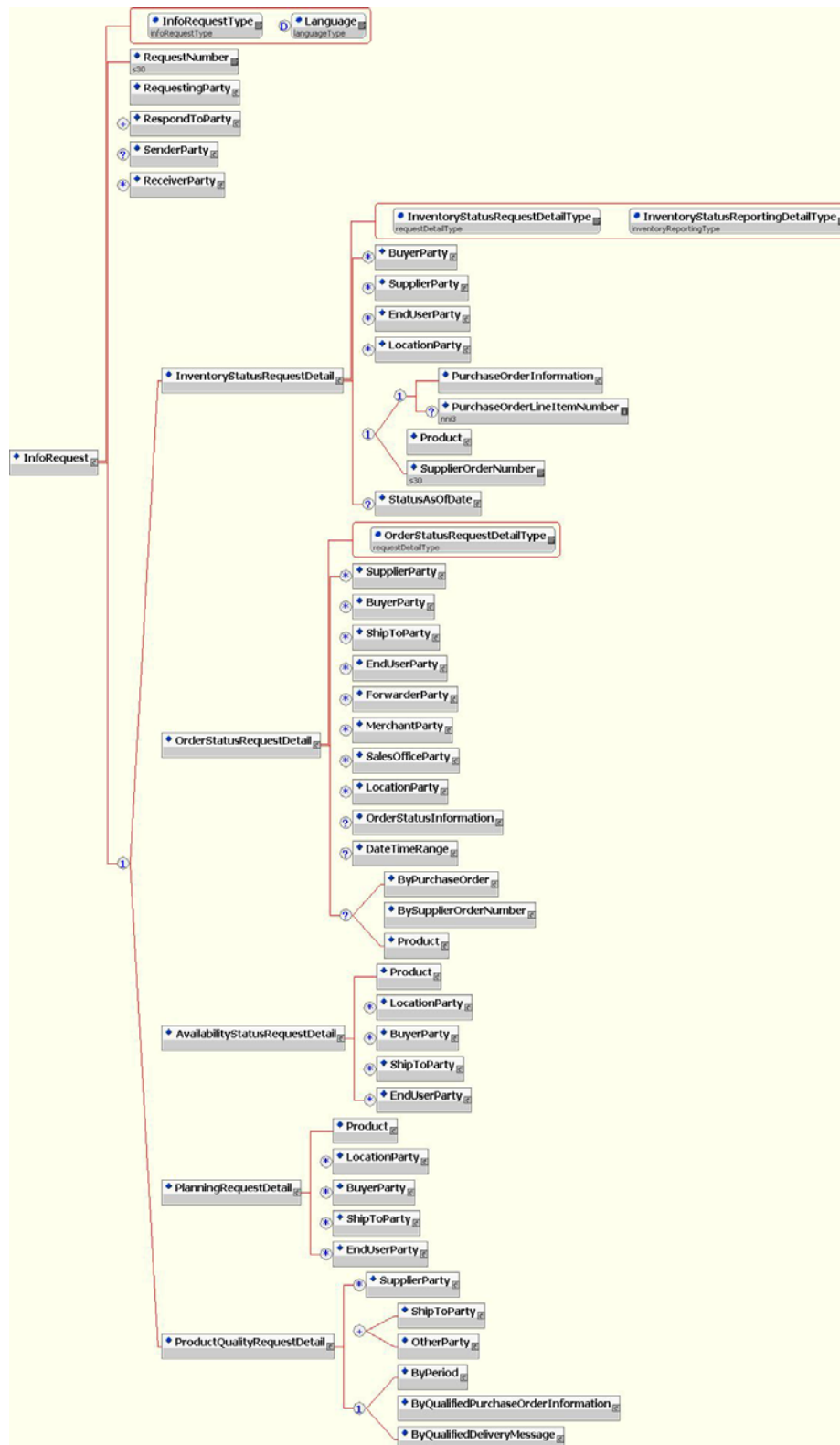
		Type	Required	Occurrence		
InfoRequest		Root	Required	Single		
	@InfoRequestType	Attribute	Required	Single		
	@Language	Attribute	Optional	Single		
	RequestNumber	Element	Required	Single		
	RequestingParty	Element	Required	Single		
	RespondToParty	Element	Required	Multiple		
	SenderParty	Element	Optional	Single		
	ReceiverParty	Element	Optional	Multiple		
OR	InventoryStatusRequestDetail	Element	Conditional	Single		
		@InventoryStatusRequestDetailType	Attribute	Required	Single	
		@InventoryStatusReportingDetailType	Attribute	Required	Single	
		BuyerParty	Element	Optional	Multiple	
		SupplierParty	Element	Optional	Multiple	
		EndUserParty	Element	Optional	Multiple	
		LocationParty	Element	Optional	Multiple	
		Or	PurchaseOrderInformation	Element	Required	Single
			PurchaseOrderLineItemNumber	Element	Optional	Single
			Product	Element	Optional	Single
	SupplierOrderNumber					
	StatusAsOfDate	Element	Optional	Single		
OR	OrderStatusRequestDetail	Element	Conditional	Single		
		@OrderStatusRequestDetail	Attribute	Required	Single	
		SupplierParty	Element	Optional	Multiple	
		BuyerParty	Element	Optional	Multiple	
		ShipToParty	Element	Optional	Multiple	
		EndUserParty	Element	Optional	Multiple	
		ForwarderParty	Element	Optional	Multiple	
		MerchantParty	Element	Optional	Multiple	
		SalesOfficeParty	Element	Optional	Multiple	
		LocationParty	Element	Optional	Multiple	
		OrderStatusInformation	Element	Optional	Single	
		DateTimeRange	Element	Optional	Single	
		Or	ByPurchaseOrder	Element	Required	Single
			BySupplierOrderNumber	Element	Required	Single
			Product	Element	Required	Single
OR	AvailabilityStatusRequestDetail	Element	Conditional	Single		
		Product	Element	Required	Single	
		LocationParty	Element	Optional	Multiple	
		BuyerParty	Element	Optional	Multiple	
		ShipToParty	Element	Optional	Multiple	
		EndUserParty	Element	Optional	Multiple	
	PlanningRequestDetail					
	Product	Element	Required	Single		

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		Type	Required	Occurrence
	LocationParty	Element	Optional	Multiple
	BuyerParty	Element	Optional	Multiple
	ShipToParty	Element	Optional	Multiple
	EndUserParty	Element	Optional	Multiple
	ProductQualityRequestDetail			
	@ProductQualityRequestDetailType	Attribute	Required	Single
OR	SupplierParty	Element	Optional	Multiple
	ShipToParty	Element	Required	Multiple
	OtherParty	Element	Required	Multiple
OR	ByPeriod	Element	Conditional	Single
	ByQualifiedPurchaseOrderQuality	Element	Conditional	Single
	ByShipment	Element	Conditional	Single

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Graphical Overview of InfoRequest



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InfoRequest Schema Structure and Processing Logic

This section provides a detailed graphical view of the InfoRequest Schema structure; the InfoRequest root element, the InventoryChangeHeader, the InventoryStatusRequestDetail, and the OrderStatusRequestDetail. 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 data dictionary (available at www.papiNet.org). This section also contains a review of the processing logic that is special to the InfoRequest 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

InfoRequest Root

InfoRequest has the following attributes:

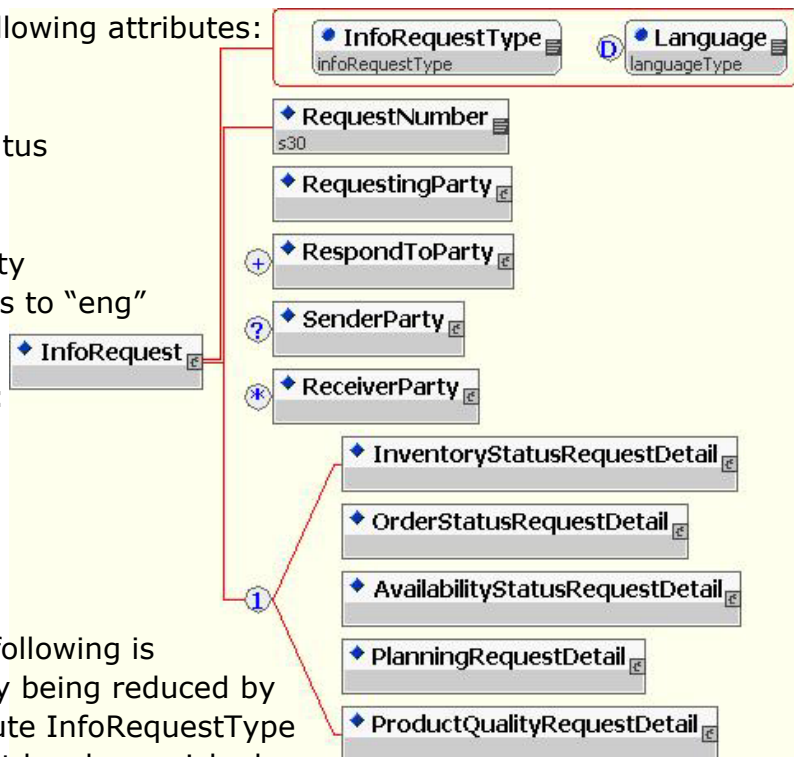
- [InfoRequestType](#)
 - ◇ Availability
 - ◇ InventoryStatus
 - ◇ OrderStatus
 - ◇ Planning
 - ◇ ProductQuality
- [Language](#), defaults to "eng"

InfoRequest contains the following elements:

- RequestNumber
- RequestingParty
- RespondToParty
- SenderParty
- ReceiverParty

A choice of one of the following is required with ambiguity being reduced by the fact that the attribute InfoRequestType indicates which element has been picked.

- [InventoryStatusRequestDetail](#)
- [OrderStatusRequestDetail](#)
- [AvailabilityStatusRequestDetail](#)
- [PlanningRequestDetail](#)
- [ProductQualityRequestDetail](#)



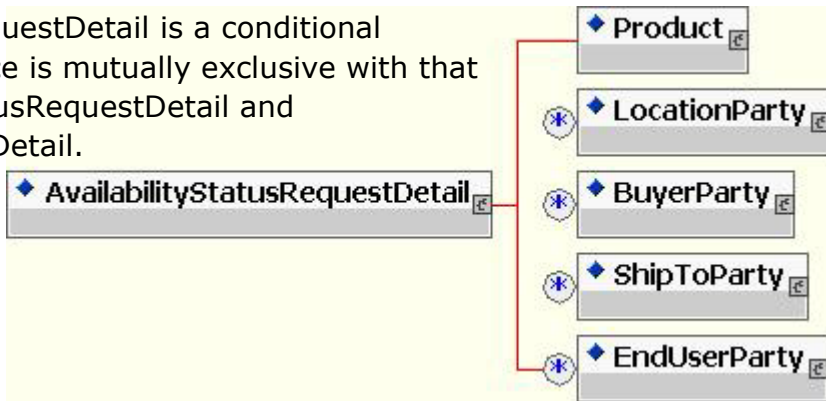
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AvailabilityStatusRequestDetail

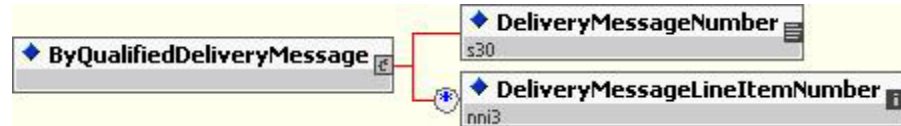
AvailabilityStatusRequestDetail is a conditional element. Its existence is mutually exclusive with that of the InventoryStatusRequestDetail and OrderStatusRequestDetail.

Elements include:

- [Product](#)
- [LocationParty](#)
- [BuyerParty](#)
- [ShipToParty](#)
- [EndUserParty](#)



ByQualifiedDeliveryMessage

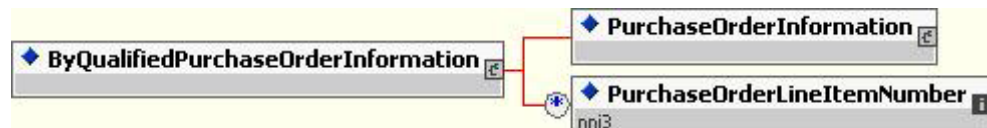


ByQualifiedDeliveryMessage is a conditional element. This element is mutually exclusive of ByQualifiedPurchaseOrderInformation and ByPeriod. The use of the term "qualified" is to indicate that DeliveryMessageNumber is qualified by the use of DeliveryMessageLineItemNumber.

Elements may include:

- [DeliveryMessageNumber](#)
- [DeliveryMessageLineItemNumber](#)

ByQualifiedPurchaseOrderInformation



ByQualifiedPurchaseOrderInformation is a conditional element. This element is mutually exclusive of ByPeriod and ByShipment. The use of the term "qualified" is to indicate that PurchaseOrderInformation is qualified by the use of PurchaseOrderLineItemNumber.

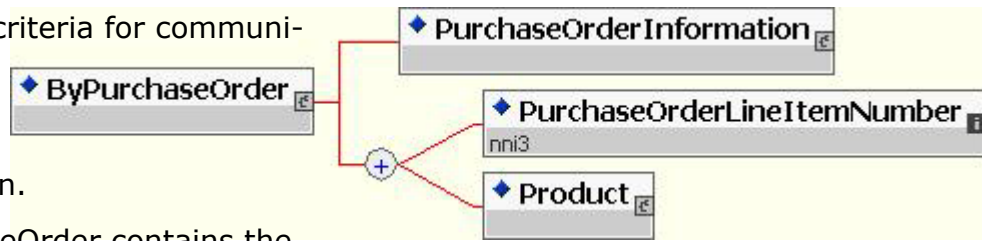
Elements may include:

- [PurchaseOrderInformation](#)
- [PurchaseOrderLineItemNumber](#)

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ByPurchaseOrder

Selection criteria for communicating Purchase Order information.



ByPurchaseOrder contains the following elements:

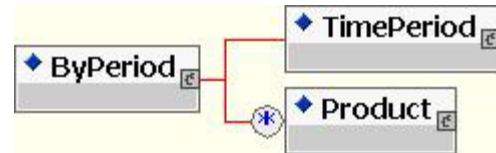
- [PurchaseOrderInformation](#)

A choice of either

- [PurchaseOrderLineItemNumber](#)
- [Product](#)

ByPeriod

ByPeriod is a conditional element. This element is mutually exclusive of ByQualifiedPurchaseOrderInformation and ByQualifiedDeliveryMessage.

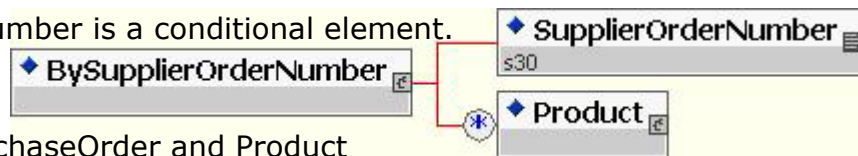


Elements may include

- [TimePeriod](#)
- [Product](#)

BySupplierOrderNumber

BySupplierOrderNumber is a conditional element. This element is mutually exclusive of ByPurchaseOrder and Product

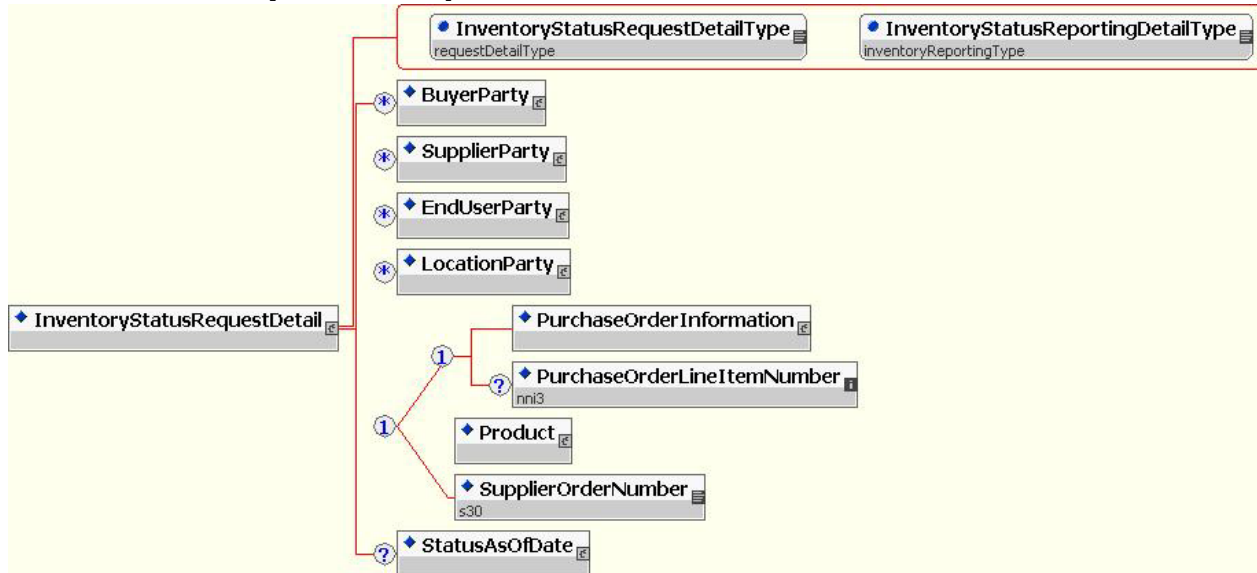


Elements may include:

- [SupplierOrderNumber](#)
- [Product](#)

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InventoryStatusRequestDetail



InventoryStatusRequestDetail is a conditional element. Its existence is mutually exclusive with that of the OrderStatusRequestDetail and AvailabilityStatusRequestDetail.

Attributes include:

- [InventoryStatusRequestDetailType](#)
- [InventoryStatusReportingDetailType](#)

The InventoryStatusRequestDetail contains the following elements:

- [BuyerParty](#)
- [SupplierParty](#)
- [EndUserParty](#)
- [LocationParty](#)
- [PurchaseOrderInformation](#)
- [PurchaseOrderLineNumber](#)
- [Product](#)
- [SupplierOrderNumber](#)
- [StatusAsOfDate](#)

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OrderStatusRequestDetail

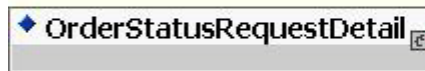
OrderStatusRequestDetail is a conditional element. Its existence is mutually exclusive with that of the InventoryStatusRequestDetail and AvailabilityStatusRequestDetail.

Attributes include:

- OrderStatusRequestDetail

Elements may include

- [SupplierParty](#)
- [BuyerParty](#)
- [ShipToParty](#)



- [EndUserParty](#)
- [ForwarderParty](#)
- [MerchantParty](#)
- [SalesOfficeParty](#)
- [LocationParty](#)
- [OrderStatusInformation](#)
- [DateTimeRange](#)
- [ByPurchaseOrder](#)
- [BySupplierOrderNumber](#)
- [Product](#)



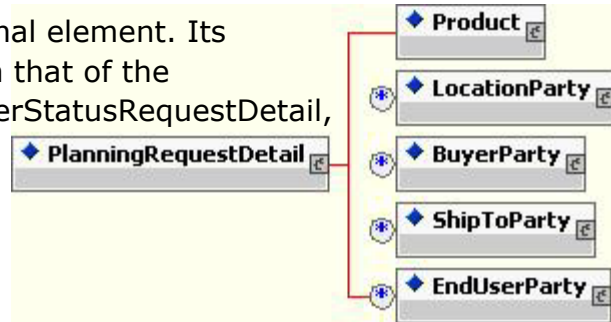
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PlanningRequestDetail

PlanningRequestDetail is a conditional element. Its existence is mutually exclusive with that of the InventoryStatusRequestDetail, OrderStatusRequestDetail, Availability, and ProductQuality.

Elements may include

- [Product](#)
- [LocationParty](#)
- [BuyerParty](#)
- [ShipToParty](#)
- [EndUserParty](#)



ProductQualityRequestDetail

ProductQualityRequestDetail is a conditional element. Its existence is mutually exclusive with that of the

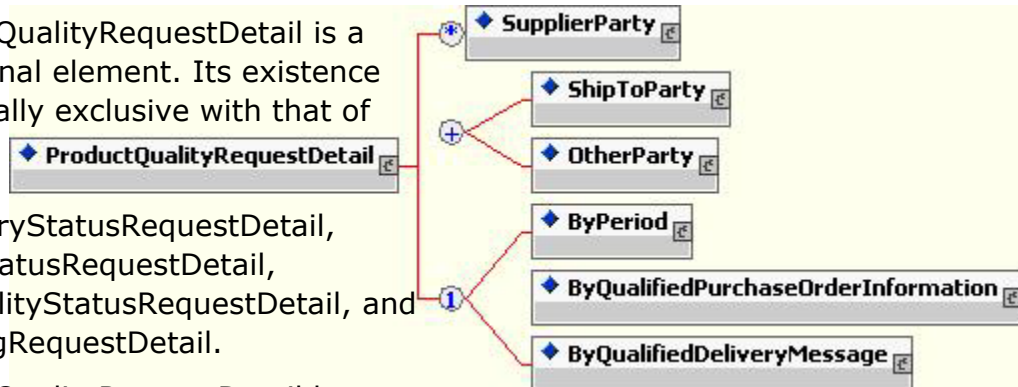
InventoryStatusRequestDetail, OrderStatusRequestDetail, AvailabilityStatusRequestDetail, and PlanningRequestDetail.

ProductQualityRequestDetail has a required attribute:

- ProductQualityRequestDetailType
 - ✧ ByPeriod
 - ✧ ByQualifiedPurchaseOrderInformation
 - ✧ ByShipment

Elements may include:

- [SupplierParty](#)
- [ShipToParty](#)
- [OtherParty](#)
- [ByPeriod](#)
- [ByQualifiedPurchaseOrderInformation](#)
- [ByQualifiedDeliveryMessage](#)



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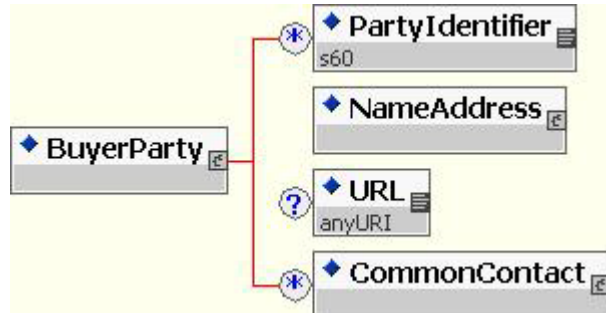
Common Definition References - Elements

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](#)



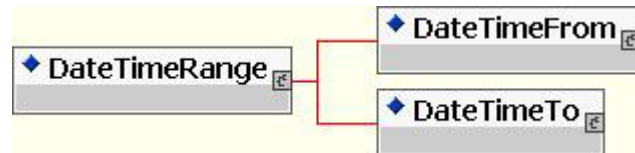
Refer to [Party](#) for additional information

DateTimeRange

The delivery date and/or time range.

DateTimeRange contains the following elements:

- [DateTimeFrom](#)
- [DateTimeTo](#)



DeliveryMessageLineNumber

The sequential number that uniquely identifies the delivery line item.



DeliveryMessageNumber

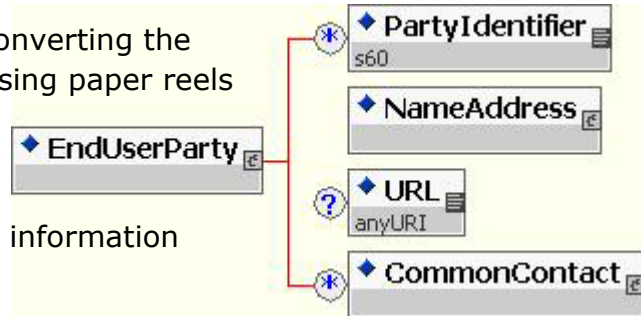
A unique delivery identifier assigned to each DeliveryMessage message as agreed between the trading partners.



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EndUserParty

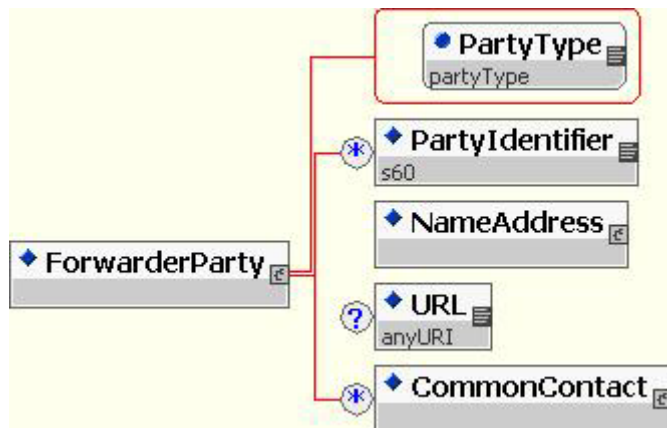
The party using, consuming, or converting the product. For example, a printer using paper reels for a print job for a publisher. The final ShipTo destination for a product is normally to the end user's facilities. Refer to [Party](#) for information about the structure.



ForwarderParty

The trading partner involved in the forwarding of the shipment.

See [Party](#) for information about the structure.



LocationParty

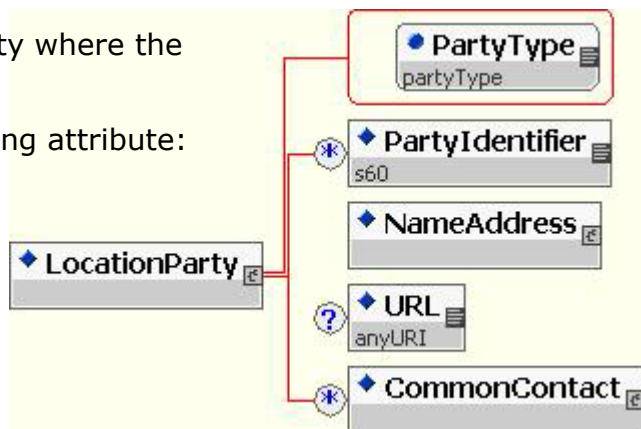
The organization or business entity where the product event take place.

LocationParty contains the following attribute:

- [PartyType](#)

It also contains the following elements:

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



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

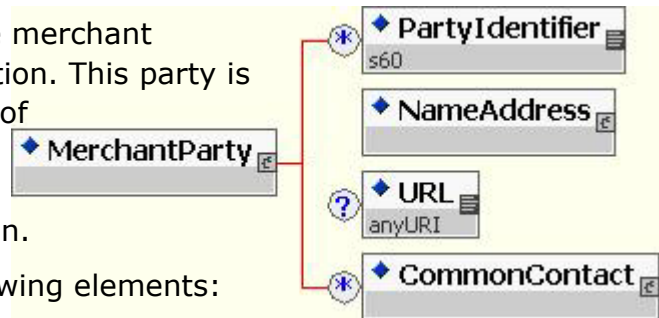
InfoRequest Documentation - papiNet Standard - Version 2.10

MerchantParty

This named party represents the merchant involved in the business transaction. This party is only used in the communication of Order Status otherwise it is handled via OtherParty. Refer to [Party](#) for additional information.

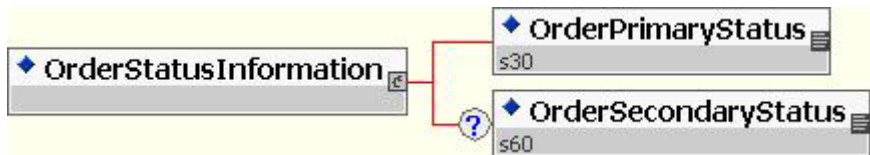
MerchantParty contains the following elements:

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



OrderStatusInformation

A group element that stores two levels of Order status codes.



OrderStatusInformation contains the following elements:

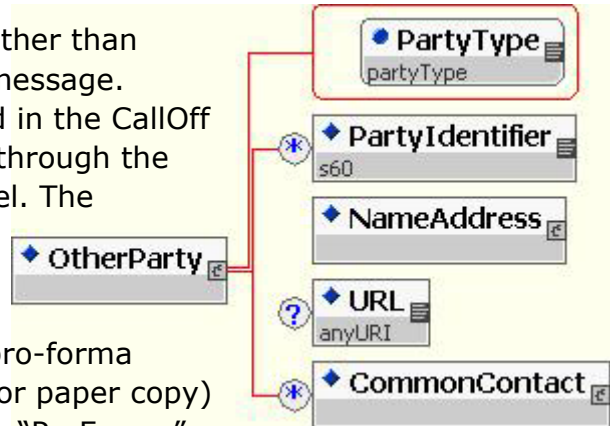
- [OrderPrimaryStatus](#)
- [OrderSecondaryStatus](#)

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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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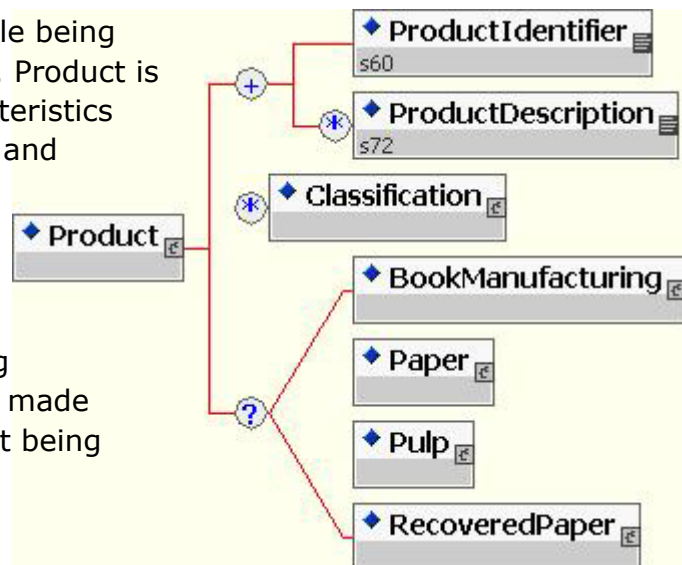
Product

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

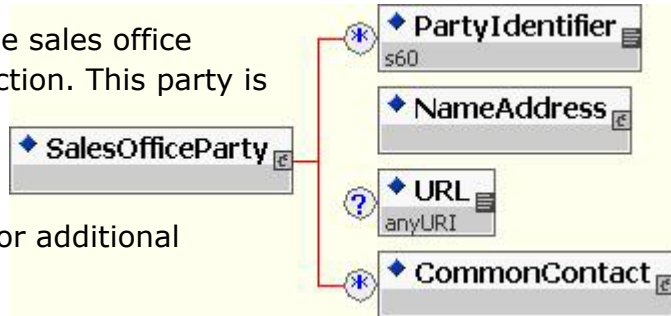
The sequential number that uniquely identifies the purchase order line item.



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SalesOfficeParty

This named party represents the sales office involved in the business transaction. This party is only used in the communication of Order Status otherwise it is handled via OtherParty. Refer to [Party](#) for additional information.



SalesOfficeParty contains the following elements:

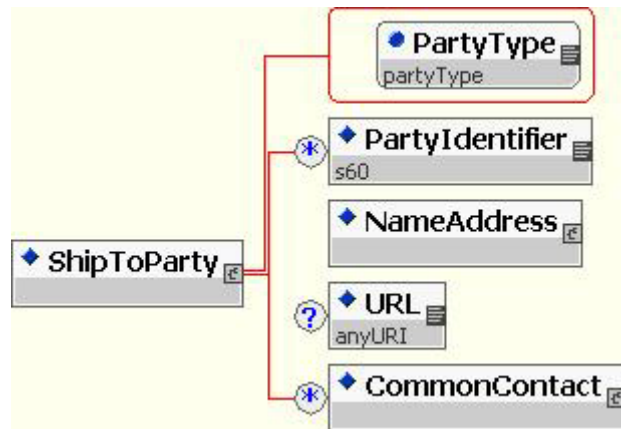
- [PartyIdentifier](#)
- [NameAddress](#)
- [URL](#)
- [CommonContact](#)

ShipToParty

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

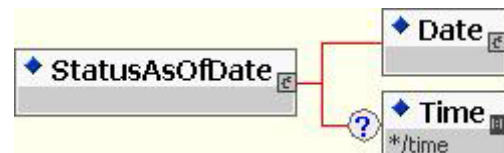
ShipToParty contains the following elements:

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



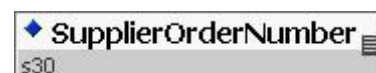
StatusAsOfDate

The specific [Date](#) and [Time](#) for which status is requested. This implies that all open transactions have closed for the date before the status is reported.



SupplierOrderNumber

The number of the supplier order.



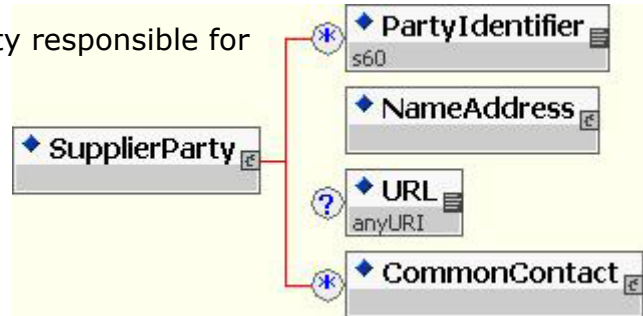
InfoRequest Documentation - papiNet Standard - Version 2.10

SupplierParty

The organisation or business entity responsible for providing the product.

SupplierParty contains the following elements:

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



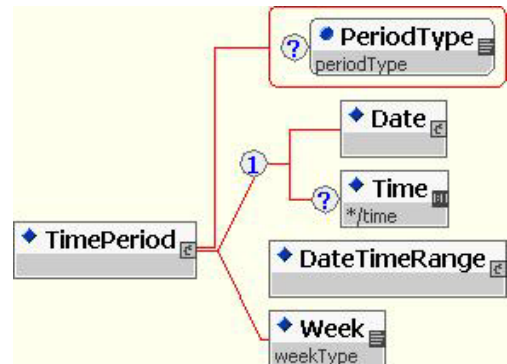
Refer to [Party](#) for additional information

TimePeriod

The TimePeriod element is used to communicate a duration period of time as indicated in [PeriodType](#).

TimePeriod contains the following elements:

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



Common Definition References – Attributes

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

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- ProductDescription
- ProductQuality
- PurchaseOrder
- RFQ
- RFQResponse
- ShippingInstructions
- SenderProduct-
AttributesDescription
- TermsAndDisclaimers
- Usage

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.

InfoRequestType

An attribute designed to indicate which response message is expected in response to the InfoRequest message.

Used in:

- InfoRequest

Choices:

- **InventoryStatus** – An InfoRequest message that is requesting an inventory status.
- **OrderStatus** – An InfoRequest message that is requesting an order status.

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InfoRequest Business Scenarios

<u>Scenario A</u>	Publisher wants to know the status of a given product on hand at a specific location. The InfoRequestType is "InventoryStatus".
<u>Scenario B</u>	Publisher is asking in advance for a status of all inventories at a given location for a specific date. The InfoRequestType is "InventoryStatus".
<u>Scenario C</u>	Publisher anticipates a larger than normal print run due to large interest in a particular new story and issues an InfoRequest to the printer to learn about the printer's inventory status. The InfoRequestType is "InventoryStatus".
<u>Scenario D</u>	Publisher issues a Purchase Order to a Supplier and later issues an InfoRequest to learn about the status of the order within the manufacturing system. The InfoRequestType is "OrderStatus".
<u>Scenario E</u>	Publisher issues a Purchase Order and later issues an InfoRequest to learn about the status of two specific line items contained within the Order. The InfoRequestType is "OrderStatus".
<u>Scenario F</u>	Publisher issues a Purchase Order and later issues an InfoRequest to learn about the status of a specific product which has been ordered. The InfoRequestType is "OrderStatus".
<u>Scenario G</u>	An e-marketplace issues an InfoRequest to learn about the status of all open or active orders from a Supplier for a given time period.

InfoRequest Documentation - papiNet Standard - Version 2.10

Scenario A

Message	InfoRequest
Type	InventoryStatus
Business Scenario	<p>Publisher wants to know the status of a given product on hand at a specific location. The InfoRequestType is "InventoryStatus"</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: Receive InfoRequest from Buyer() Supplier-->>Buyer: BusinessAcknowledgement Buyer->>Supplier: Receive InventoryStatus from Supplier() Supplier-->>Buyer: BusinessAcknowledgement </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Buyer records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = "InventoryStatus" • Requestor = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • InventoryStatusRequestDetailType = ByProduct • InventoryStatusReportingDetailType = AggregatedInventory • LocationParty = mill or warehouse location • Product = product id
Result	The Supplier responds with an InventoryStatus message that provides the aggregate quantity of the product specified at the location specified.

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Scenario B

Message	InfoRequest
Type	InventoryStatus
Business Scenario	<p>Publisher is asking in advance for a status of all inventories at a given location for a specific date. The InfoRequestType is "InventoryStatus".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: Receive InfoRequest from Buyer() Supplier-->>Buyer: BusinessAcknowledgement Buyer->>Supplier: Receive InventoryStatus from Supplier() Supplier-->>Buyer: BusinessAcknowledgement </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Publisher records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = InventoryStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • InventoryStatusRequestDetailType = ByProduct • InventoryStatusReportingDetailType = DetailedInventory • LocationParty = mill or warehouse location • StatusAsOfDate = some future date
Result	The Supplier responds with an InventoryStatus message that provides the detailed quantities and roll identifiers of the product specified at the location specified.

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Scenario C

Message	InfoRequest
Type	InventoryStatus
Business Scenario	<p>Publisher anticipates a larger than normal print run due to large interest in a particular new story and issues an InfoRequest to the printer to learn about the printer's inventory status. The InfoRequestType is "InventoryStatus".</p> <pre> sequenceDiagram participant P as Publisher : RequestingParty participant PR as Printer : ReceiverParty P->>PR: Receive InfoRequest from Publisher() PR-->P: BusinessAcknowledgement PR->>P: Receive InventoryStatus from Printer() P-->PR: BusinessAcknowledgement </pre>
Outcome	An InfoRequest is generated by the Publisher's system and received into the Printer's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Publisher records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = InventoryStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • InventoryStatusRequestDetailType = ByProduct • InventoryStatusReportingDetailType = AggregatedInventory • SupplierParty = preferred supplier • LocationParty = printer's warehouse location • Product = product id
Result	The Printer responds with an InventoryStatus message that provides the aggregate quantity of the product specified at the location specified and for only the Supplier indicated.

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Scenario D

Message	InfoRequest
Type	OrderStatus
Business Scenario	<p>Publisher issues a Purchase Order to a Supplier and later issues an InfoRequest to learn about the status of the order within the manufacturing system. The InfoRequestType is "OrderStatus".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: InfoRequest Supplier-->>Supplier: BusinessAcknowledgement Buyer->>Supplier: OrderStatus Supplier-->>Supplier: BusinessAcknowledgement Buyer-->>Buyer: Receive OrderStatus from Supplier() </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Buyer records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO
Result	The Supplier responds with an OrderStatus message that provides the status of the PO specified.

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Scenario E

Message	InfoRequest
Type	OrderStatus
Business Scenario	<p>Publisher issues a Purchase Order and later issues an InfoRequest to learn about the status of two specific line items contained within the Order. The InfoRequestType is "OrderStatus".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: Receive InfoRequest from Buyer() activate Supplier Supplier-->>Buyer: BusinessAcknowledgement deactivate Supplier Buyer->>Supplier: Receive OrderStatus from Supplier() activate Supplier Supplier-->>Buyer: BusinessAcknowledgement deactivate Supplier </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Publisher records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO; line item A & line item B
Result	The Supplier responds with an OrderStatus message that provides the status of the PO line items specified only.

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Scenario F

Message	InfoRequest
Type	OrderStatus
Business Scenario	<p>Publisher issues a Purchase Order and later issues an InfoRequest to learn about the status of a specific product which has been ordered. The InfoRequestType is "OrderStatus".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: Receive InfoRequest from Buyer() Supplier-->>Buyer: BusinessAcknowledgement Supplier->>Buyer: Receive OrderStatus from Supplier() Buyer-->>Supplier: BusinessAcknowledgement </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	Buyer
Receiver	Supplier
Trigger	None
Step 1	<p>Buyer records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • OrderStatusRequestDetailType = ByProduct • Product = specified product
Result	The Supplier responds with an OrderStatus message that provides the status of the PO line items specified only. The OrderStatus message may include an OrderStatusCode indicating the line item's (product's) current status within the Supplier's system.
Optional Step 2	The Buyer may desire to further request more detailed information for each of the returned POs. The Buyer may do so by issuing an OrderStatusDetail InfoRequest for each (or selected) purchase order returned.

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Scenario G

Message	InfoRequest
Type	OrderStatus
Business Scenario	<p>An e-marketplace issues an InfoRequest to learn about the status of all open orders from a Supplier for a given time period. The InfoRequestType is "OrderStatus".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: InfoRequest Supplier-->>Supplier: BusinessAcknowledgement Buyer->>Supplier: OrderStatus Supplier-->>Supplier: BusinessAcknowledgement Buyer-->>Buyer: Receive OrderStatus from Supplier() </pre>
Outcome	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
Initiator	e-marketplace
Receiver	Supplier
Trigger	None
Step 1	<p>Publisher records an original Inquiry into their system then sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = e-marketplace • RequestingParty = publisher • RespondToParty = e-marketplace • OrderStatusRequestDetailType = ByPurchaseOrder • SupplierParty = specified supplier • OrderStatusCode = Active • DateTimeRange = last month
Results	The Supplier responds with an OrderStatus message that provides the status of all the active or open POs referencing the specified supplier.