



# papiNet

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

**Book OrderStatus Documentation**

**Papinet Standard - Version 2.10**

**April 2003**

**Industry Review**

# Book OrderStatus Documentation - papiNet Standard - Version 2.10

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## Message Documentation

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### The OrderStatus Message

#### Introduction

This document is designed for use within the Book Manufacturing Industry, consisting of publishers, printers, and component suppliers including paper. It is based upon the standard papiNet Order Status Message, but customized to fit the Book Manufacturing Industry usage. It will be useful to become acquainted with certain papiNet documents such as the Data Dictionary and Business Process. These can be found at the papiNet site, <http://www.papinet.org>.

#### An Overview of the OrderStatus Message

The purpose of the OrderStatus message is for the Printer/Binder or Component vendor to report the current status of an order, specific order line items, or to report status of multiple orders based upon some specified criteria. The message enables the sender to indicate a primary status as well as an additional secondary status at the order level as well as for each line and component.

Prior to implementing an OrderStatus message it is assumed that the parties involved have already opened a trading partner relationship and a collaborative agreement has been reached. Such an agreement might include frequency of messages, content details, etc.

A trading partner sends an OrderStatus message to another trading partner based on a schedule or on an event basis agreed between them. The event that triggers an OrderStatus message might be the receipt of an InfoRequest message, or a manufacturing stage.

#### The Scope of the OrderStatus Message

The OrderStatus message includes:

- A specific date upon which the OrderStatus is generated;
- Purchase order information such as PO number, release number, PO date; and/or product information such as ISBN Number, Title, Author;
- SenderParty
- OrderPrimaryStatus

The OrderStatus message may include:

- Quantity information such as the original order quantity as well as the current order status quantities (such as the number of reels in a certain manufacturing stage; the number of reels shipped, etc.)
- Order product details such as item numbers, and paper characteristics

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- Dates, such as press date, last date of change, and estimated delivery date
- OrderSecondaryStatus
- Order line level Primary Status and Secondary Status
- Carrier and transportation information

## Order Status Message Types

There are three message types for the OrderStatus message:

- ByPurchaseOrder
- BySupplierOrderNumber
- ByProduct

## Business Rules for OrderStatus messages

### General Business Rules

The following table list the business rules that apply to OrderStatus message

Reference	Rule
OS001	The OrderPrimaryStatus must apply to the order as a whole (i.e., an order cannot be considered to be "Complete" unless each line item is "Complete")
OS002	If the OrderStatus message is in response to an InfoRequest message, the RequestNumber must be included and reflect the RequestNumber of the InfoRequest.
OS003	If the InfoRequest message does not indicate a specific line item, the response must include each line item and its corresponding status.
OS004	If the InfoRequest message order status request type indicates a response type of "ByPurchaseOrder", then the OrderStatusType must also be "ByPurchaseOrder". Similarly for InfoRequest order status request types of "ByProduct" and "BySupplierOrderNumber". The OrderStatusType must be of "ByProduct" and "BySupplierOrderNumber" respectively.

## Processing the OrderStatus message

- The OrderStatus message is the proper response to an InfoRequest message containing an InfoRequestType of "OrderStatus". Alternatively, it may be published on a previously agreed upon schedule based on time intervals or process manufacturing stages. Under this second scenario, the supplier would publish the message at the agreed upon schedule without requiring an InfoRequest message as the trigger.
- It is possible that the OrderStatus message would not be received and processed by the recipient's procurement or order generation system. In

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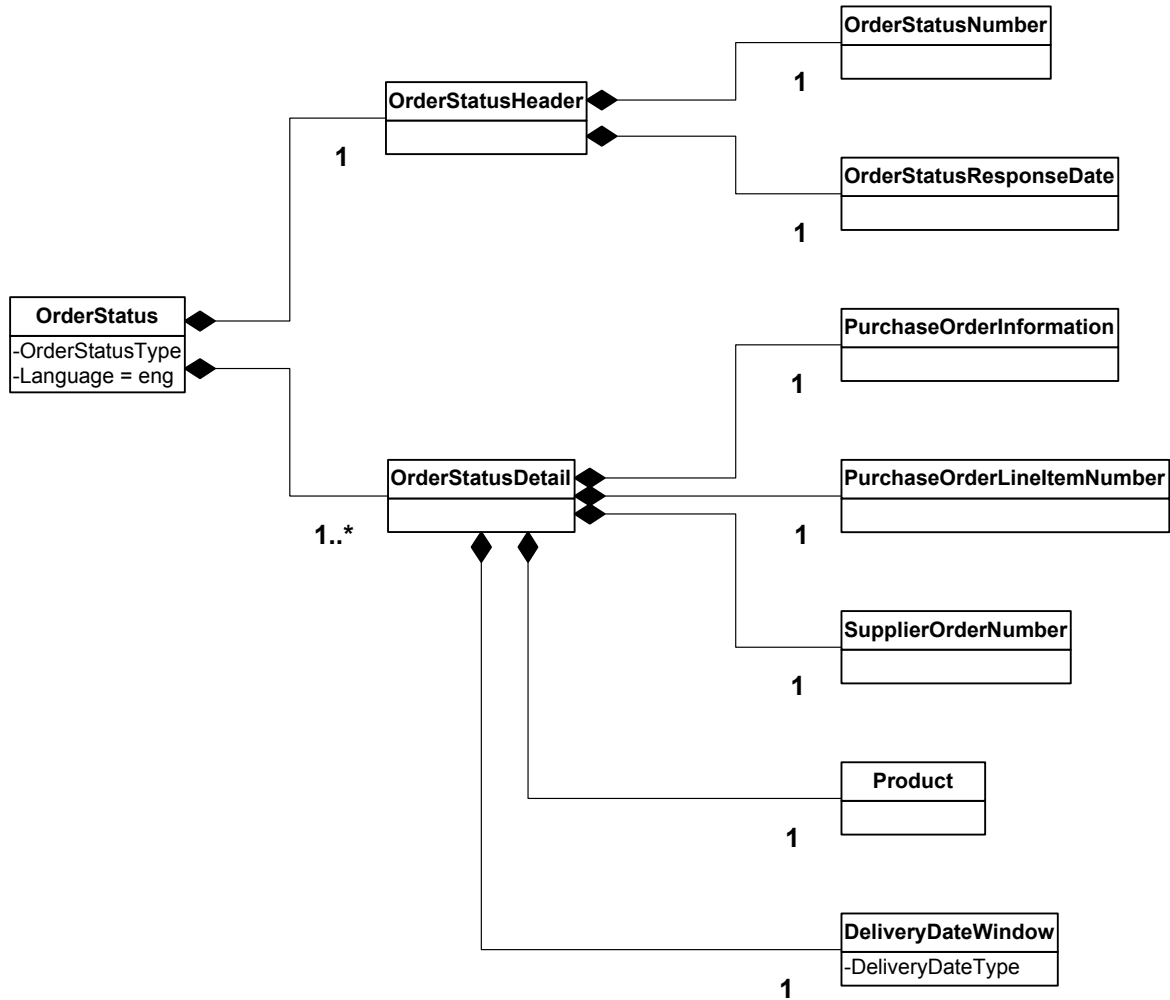
this scenario, the OrderStatus message would be received and printed out for distribution to interested parties or alternatively published 'on line' and viewed via a URL or some form of website access designed to display the status.

- The OrderStatus message is an information-only message. It does not alter the legal agreement between the parties regarding the order submission and fulfilment. If the OrderStatus message indicates a serious problem or issue with the ability of the supplier to fulfil the order, then the parties involved must resolve the issue. If the OrderStatus message indicates that the PurchaseOrder cannot be fulfilled, then the Parties to this transaction must resolve this open transaction through other means. (It is recommended that an Amended OrderConfirmation message be sent when a PurchaseOrder cannot be fulfilled.)
- Based on the message information requested by the customer, the InfoRequest is processed automatically in the supplier's system.

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## High-level UML Diagram of Order Status



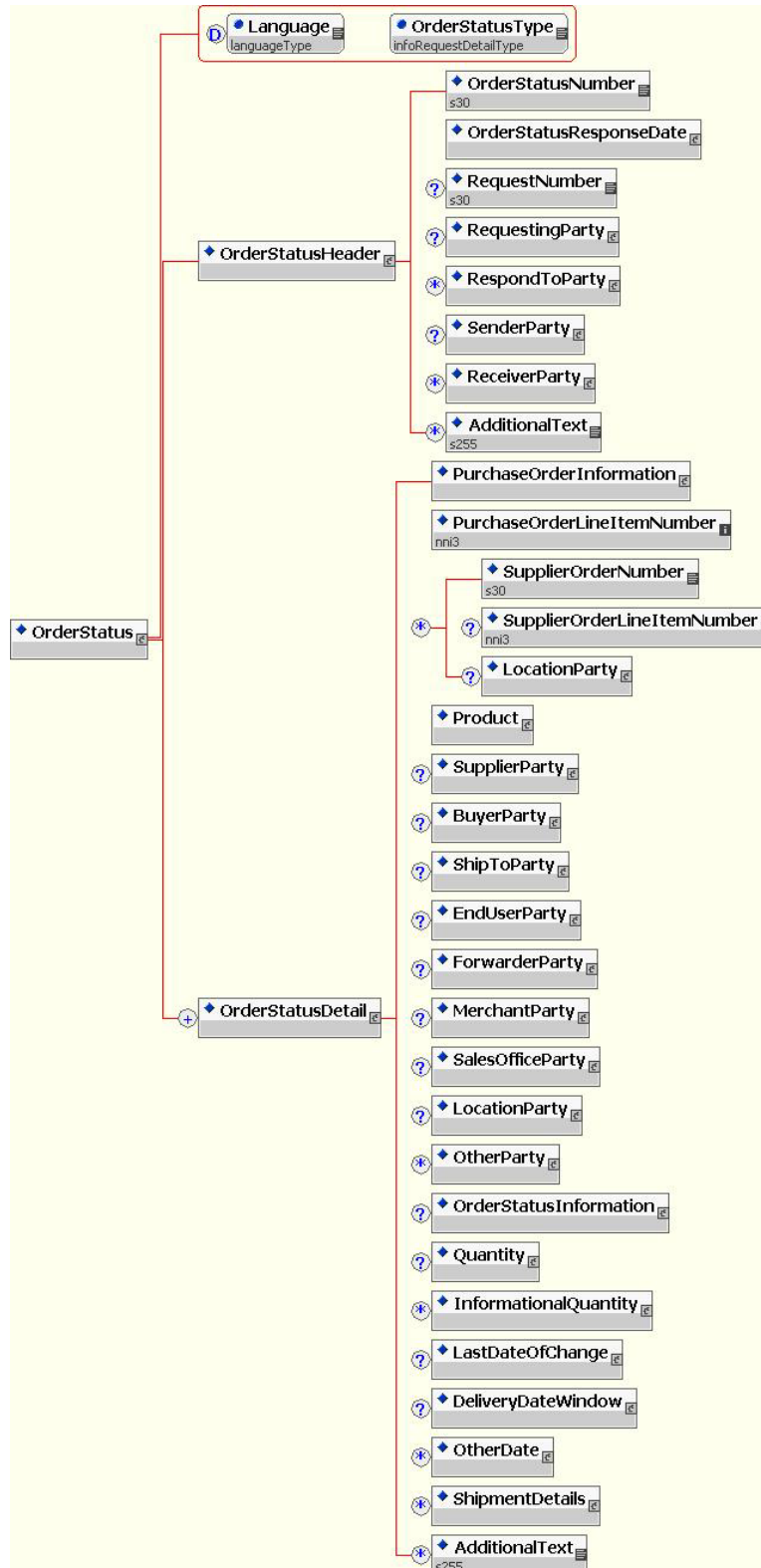
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## Overview of OrderStatus Structure

		<u>Type</u>	<u>Required</u>	<u>Occurrence</u>
OrderStatus		Root		
	@Language	Attribute	Optional	Single
	@OrderStatusType	Attribute	<b>Required</b>	Single
	OrderStatusHeader	Element	<b>Required</b>	Single
	OrderStatusNumber	Element	<b>Required</b>	Single
	OrderStatusResponseDate	Element	<b>Required</b>	Single
	RequestNumber	Element	Optional	Single
	RequestingParty	Element	Optional	Single
	RespondToParty	Element	Optional	Multiple
	SenderParty	Element	Optional	Single
	ReceiverParty	Element	Optional	Multiple
	AdditionalText	Element	Optional	Multiple
	OrderStatusDetail	Element	<b>Required</b>	Single
	PurchaseOrderInformation	Element	<b>Required</b>	Single
	PurchaseOrderLineItemNumber	Element	<b>Required</b>	Single
	SupplierOrderNumber	Element	Optional	Single
	SupplierOrderLineItemNumber	Element	Optional	Single
	LocationParty	Element	Optional	Single
	Product	Element	<b>Required</b>	Single
	SupplierParty	Element	Optional	Single
	BuyerParty	Element	Optional	Single
	ShipToParty	Element	Optional	Single
	EndUserParty	Element	Optional	Single
	ForwarderParty	Element	Optional	Single
	MerchantParty	Element	Optional	Single
	SalesOfficeParty	Element	Optional	Single
	LocationParty	Element	Optional	Single
	OtherParty	Element	Optional	Multiple
	OrderStatusInformation	Element	Optional	Single
	Quantity	Element	Optional	Single
	InformationalQuantity	Element	Optional	Multiple
	LastDateOfChange	Element	Optional	Single
	DeliveryDateWindow	Element	Optional	Single
	OtherDate	Element	Optional	Multiple
	ShipmentDetails	Element	Optional	Multiple
	PurchaseOrderReference	Element	Optional	Multiple
	AdditionalText	Element	Optional	Multiple

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## Graphical Overview of Order Status



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## OrderStatus Schema Structure and Processing Logic

This section provides a detailed graphical view of the OrderStatus Schema structure; the InventoryStatus root element, the OrderStatusHeader and the OrderStatus. 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](http://www.papiNet.org)). This section also contains a review of the processing logic that is special to the OrderStatus 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

### OrderStatus



The OrderStatus contains these attributes

An attribute to communicate the Language

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

The OrderStatus contains these elements:

- [OrderStatusHeader](#)
- [OrderStatusDetail](#)

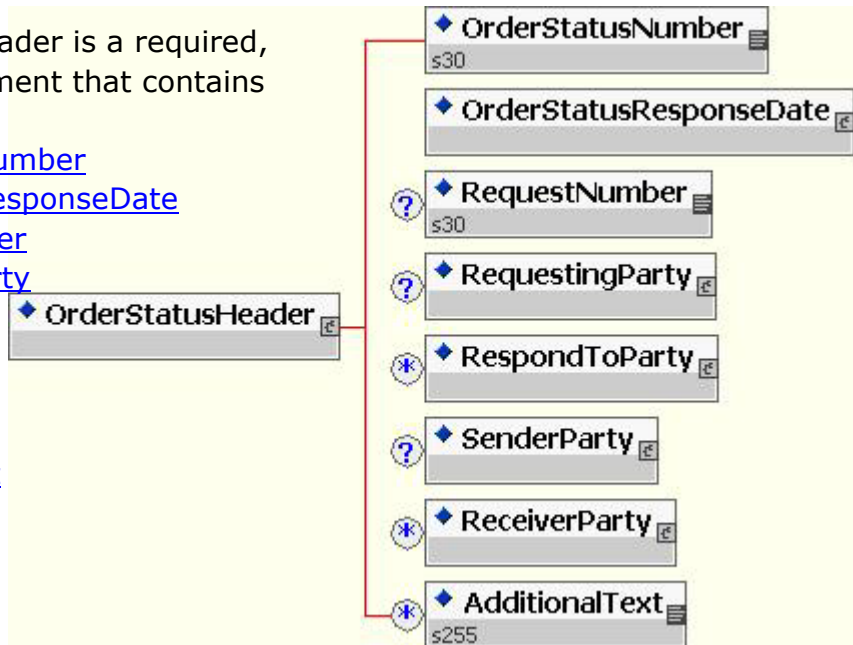
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## OrderStatusHeader

The OrderStatusHeader is a required, single instance element that contains these elements:

- [OrderStatusNumber](#)
- [OrderStatusResponseDate](#)
- [RequestNumber](#)
- [RequestingParty](#)
- [RespondTo-Party](#)
- [SenderParty](#)
- [ReceiverParty](#)
- [AdditionalText](#)



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## OrderStatusDetail

The OrderStatusDetail is a required, multiple instance element that contains the following elements:

- [PurchaseOrderInformation](#)
- [PurchaseOrderLineItemNumber](#)
- [SupplierOrderNumber](#)
- [SupplierOrderLineItemNumber](#)
- [LocationParty](#)
- [Product](#)
- [SupplierParty](#)
- [BuyerParty](#)
- [ShipToParty](#)
- [EndUserParty](#)
- [ForwarderParty](#)
- [MerchantParty](#)
- [SalesOfficeParty](#)
- [LocationParty](#)
- [OtherParty](#)



- [OrderStatusInformation](#)
- [Quantity](#)  
originally ordered
- [InformationalQuantity](#)
- [LastDateOfChange](#)
- [DeliveryDateWindow](#)
- [OtherDate](#)
- [ShipmentDetails](#)
- [PurchaseOrderReference](#)
- [AdditionalText](#)



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### OrderStatus Business Scenarios

<a href="#"><u>Scenario A</u></a>	Buyer/Publisher issues a Purchase Order to a Supplier and issues an InfoRequest to learn about the status of the order within the supplier's system. The InfoRequestType is "OrderStatus".
<a href="#"><u>Scenario B</u></a>	Buyer/Publisher issues a Purchase Order and later issues an InfoRequest to learn about the status of a specific product on that PO which has been ordered. The InfoRequestType is "OrderStatus".
<b>Scenario C</b>	Scenario C is skipped in the Book model for consistency at the documentation level with the broader papiNet Standard.
<a href="#"><u>Scenario D</u></a>	Partners have previously agreed upon the Supplier publishing a periodic OrderStatus update on a specific schedule. There is no InfoRequest message.
<a href="#"><u>Scenario E</u></a>	A small enterprise wants to check the status of an order via a web browser at an online marketplace. The Supplier publishes the current complete order status. The InfoRequestType is "OrderStatus".
<a href="#"><u>Scenario F</u></a>	Printer/Binder issues an InfoRequest to a Component Vendor to learn about the status of a Purchase Order issued by a Publisher to the Component Vendor for a product to be shipped to the Printer/Binder.

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### Scenario A

<b>Message</b>	OrderStatus
<b>Type</b>	ByPurchaseOrder
<b>Business Scenario</b>	<p>Buyer/Publisher issues a Purchase Order to a Supplier and issues an InfoRequest to learn about the status of the order within the Mill system. The InfoRequestType is "OrderStatus" and the OrderStatusRequestDetailType is "ByPurchaseOrder".</p> <pre> sequenceDiagram     participant Buyer as Buyer : RequestingParty     participant Supplier as Supplier : ReceiverParty     Buyer-&gt;&gt;Supplier: Receive InfoRequest()     Supplier--&gt;&gt;Buyer: BusinessAcknowledgement     participant Supplier as Supplier : SenderParty     participant Publisher as Publisher : ReceiverParty     Supplier-&gt;&gt;Publisher: Receive OrderStatus()     Publisher--&gt;&gt;Supplier: BusinessAcknowledgement     </pre>
<b>Scenario Outcome</b>	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
<b>Initiator</b>	Buyer
<b>Receiver</b>	Supplier
<b>Trigger</b>	None
<b>Step 1</b>	<p>Buyer records an original request 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"> <li>• InfoRequestType = OrderStatus</li> <li>• RequestNumber = unique number</li> <li>• SenderParty = publisher</li> <li>• RequestingParty = publisher</li> <li>• RespondToParty = publisher</li> <li>• OrderStatusRequestDetailType = ByPurchaseOrder</li> <li>• ByPurchaseOrder = specified PO</li> </ul>
<b>Step 2</b>	<p>Seller receives an InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> <li>• OrderStatusType = ByPurchaseOrder</li> <li>• OrderStatusNumber = unique number</li> </ul>

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- OrderStatusResponseDate = response date
- RequestNumber = unique number
- SenderParty = supplier
- RequestingParty = publisher
- RespondToParty = publisher

For each PO line item:

- PurchaseOrderInformation = specified PO
- PurchaseOrderLineItemNumber = PO line item
- OrderStatusCode = status of PO line item
- Product = product identifier

It is likely that many of the optional elements in the OrderStatus message will also be populated in the response message.

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### Scenario B

<b>Message</b>	OrderStatus
<b>Type</b>	ByPurchaseOrder
<b>Business Scenario</b>	<p>Buyer/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" and the OrderStatusRequestDetailType is "ByPurchaseOrder".</p> <pre> sequenceDiagram     participant Buyer as Buyer : RequestingParty     participant Supplier as Supplier : ReceiverParty     Buyer-&gt;&gt;Supplier: Receive InfoRequest()     Supplier--&gt;&gt;Buyer: BusinessAcknowledgement     participant Supplier2 as Supplier : SenderParty     participant Publisher as Publisher : ReceiverParty     Supplier2-&gt;&gt;Publisher: Receive OrderStatus()     Publisher--&gt;&gt;Supplier2: BusinessAcknowledgement     </pre>
<b>Outcome</b>	An InfoRequest is generated by the Buyer's system and received into the Supplier's system.
<b>Initiator</b>	Buyer
<b>Receiver</b>	Supplier
<b>Trigger</b>	None
<b>Step 1</b>	<p>Buyer records an original request 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"> <li>• InfoRequestType = OrderStatus</li> <li>• RequestNumber = unique number</li> <li>• SenderParty = publisher</li> <li>• RequestingParty = publisher</li> <li>• RespondToParty = publisher</li> <li>• OrderStatusRequestDetailType = ByPurchaseOrder</li> <li>• ByPurchaseOrder = specified PO</li> <li>• PurchaseOrderLineItemNumber = specified PO line item 1</li> <li>• PurchaseOrderLineItemNumber = specified PO line item 2</li> </ul>
<b>Step 2</b>	Seller receives an InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes

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are recorded:

- OrderStatusType = ByPurchaseOrder
- OrderStatusNumber = unique number
- OrderStatusResponseDate = response date
- RequestNumber = unique number
- SenderParty = supplier
- RequestingParty = publisher
- RespondToParty = publisher

For each PO line item:

- PurchaseOrderInformation = specified PO
- PurchaseOrderLineItemNumber = PO line item
- OrderStatusCode = status of PO line item
- Product = product identifier

It is likely that many of the optional elements in the OrderStatus message will also be populated in the response message.

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### Scenario D

<b>Message</b>	OrderStatus
<b>Type</b>	ByPurchaseOrder or ByProduct
<b>Business Scenario</b>	<p>Partners have previously agreed upon the Supplier publishing a periodic OrderStatus update on a specific schedule.</p> <pre> sequenceDiagram     participant S as Supplier : SenderParty     participant P as Publisher : ReceiverParty     S-&gt;&gt;P: Receive OrderStatus()     P--&gt;&gt;S: BusinessAcknowledgement     </pre>
<b>Outcome</b>	An OrderStatus is generated by the Supplier's system and received into the Buyer's system.
<b>Initiator</b>	NA
<b>Receiver</b>	Buyer
<b>Trigger</b>	Prearranged schedule
<b>Step 1</b>	<p>Supplier initiates an OrderStatus message at predefined intervals. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> <li>• OrderStatusType = ByPurchaseOrder or ByProduct</li> <li>• OrderStatusNumber = unique number</li> <li>• OrderStatusResponseDate = response date</li> <li>• SenderParty = supplier</li> <li>• RequestingParty = publisher</li> <li>• RespondToParty = publisher</li> </ul> <p>For each PO line item:</p> <ul style="list-style-type: none"> <li>• PurchaseOrderInformation = specified PO</li> <li>• PurchaseOrderLineItemNumber = PO line item and/or</li> <li>• Product = product identifier</li> <li>• OrderStatusCode = status of PO line item</li> </ul> <p>It is likely that many of the optional elements in the OrderStatus message will also be populated in the response message.</p>

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### Scenario E

<b>Message</b>	OrderStatus
<b>Type</b>	ByPurchaseOrder
<b>Business Scenario</b>	<p>A small enterprise wants to check the status of an order via a web browser at an online marketplace. The Supplier publishes the current complete order status. The InfoRequestType is "OrderStatus" and the OrderStatusRequestDetailType is "ByPurchaseOrder".</p> <pre> sequenceDiagram     participant Buyer as Buyer : RequestingParty     participant Supplier as Supplier : ReceiverParty     Buyer-&gt;&gt;Supplier: Receive InfoRequest()     activate Supplier     Supplier--&gt;&gt;Supplier: BusinessAcknowledgement     deactivate Supplier      participant Supplier as Supplier : SenderParty     participant Publisher as Publisher : ReceiverParty     Supplier-&gt;&gt;Publisher: Receive OrderStatus()     activate Publisher     Publisher--&gt;&gt;Publisher: BusinessAcknowledgement     deactivate Publisher     </pre>
<b>Outcome</b>	An OrderStatus is generated by the Supplier's system and received into the Buyer's/Marketplace's system.
<b>Initiator</b>	Buyer/website
<b>Receiver</b>	Supplier
<b>Trigger</b>	InfoRequest
<b>Step 1</b>	<p>The Buyer logs on to the website and views open orders online and indicate orders for which status is requested. Website creates InfoRequest and sends it to the Supplier. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> <li>• InfoRequestType = OrderStatus</li> <li>• RequestNumber = unique number</li> <li>• SenderParty = website or e-marketplace</li> <li>• RequestingParty = publisher</li> <li>• RespondToParty = website or e-marketplace</li> <li>• OrderStatusRequestDetailType = ByPurchaseOrder</li> <li>• ByPurchaseOrder = specified PO</li> </ul>
<b>Step 2</b>	Seller receives InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:

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- OrderStatusType = ByPurchaseOrder
- OrderStatusNumber = unique number
- OrderStatusResponseDate = response date
- RequestNumber = unique number
- SenderParty = supplier
- RequestingParty = website or e-marketplace
- RespondToParty = publisher

For each PO line item:

- PurchaseOrderInformation = specified PO
- PurchaseOrderLineItemNumber = PO line item
- OrderStatusCode = status of PO line item
- Product = product identifier

It is likely that many of the optional elements in the OrderStatus message will also be populated in the response message.

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### Scenario F

<b>Message</b>	OrderStatus
<b>Type</b>	ByPurchaseOrder
<b>Business Scenario</b>	<p>Buyer/Publisher issues a PurchaseOrder to a Component Vendor for a cover to be shipped to a printer/binder and transmits a copy of the PurchaseOrder to the printer/binder. The Printer/Binder later issues an InfoRequest to learn about the status of the covers on that PO which had been sent to the component vendor. The InfoRequestType is "OrderStatus" and the OrderStatusRequestDetailType is "ByPurchaseOrder".</p> <pre> sequenceDiagram     participant Buyer as Buyer : RequestingParty     participant Supplier as Supplier : ReceiverParty     Buyer-&gt;&gt;Supplier: Receive InfoRequest()     activate Supplier     Supplier--&gt;&gt;Buyer: BusinessAcknowledgement     deactivate Supplier      participant Supplier as Supplier : SenderParty     participant Publisher as Publisher : ReceiverParty     Supplier-&gt;&gt;Publisher: Receive OrderStatus()     activate Publisher     Publisher--&gt;&gt;Supplier: BusinessAcknowledgement     deactivate Publisher     </pre>
<b>Outcome</b>	An InfoRequest is generated by the Printer/Binder's system and received into the Component Vendor's system.
<b>Initiator</b>	Printer/Binder
<b>Receiver</b>	Supplier (Component Vendor)
<b>Trigger</b>	None
<b>Step 1</b>	<p>Printer/Binder records an original request into their system then sends it to the Supplier (component vendor). At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> <li>• InfoRequestType = OrderStatus</li> <li>• RequestNumber = unique number</li> <li>• SenderParty = printer/binder</li> <li>• RequestingParty = printer/binder</li> <li>• RespondToParty = printer/binder</li> <li>• OrderStatusRequestDetailType = ByPurchaseOrder</li> <li>• ByPurchaseOrder = specified PO</li> <li>• Product = specified product identifier</li> </ul>
<b>Step 2</b>	Supplier (Component Vendor) receives InfoRequest and responds

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with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:

- OrderStatusType = ByPurchaseOrder
- OrderStatusNumber = unique number
- OrderStatusResponseDate = response date
- RequestNumber = unique number
- SenderParty = supplier
- RequestingParty = publisher
- RespondToParty = publisher

For each PO:

- PurchaseOrderInformation = specified PO
- OrderStatusCode = status of PO line item
- Product = product identifier

It is likely that many of the optional elements in the OrderStatus message will also be populated in the response message.

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## Appendix A – OrderStatus Example

Element	Type	Required	Occurrence	Value/Notes
OrderStatus	Root	<b>Required</b>	Single	
Language	Attribute	Optional	Single	
OrderStatusType	Attribute	<b>Required</b>	Single	ByPurchaseOrder
OrderStatusHeader	Group	<b>Required</b>	Single	
OrderStatusNumber	Element	<b>Required</b>	Single	CG08134A
OrderStatusResponseDate	Group	<b>Required</b>	Single	
Date	Group	<b>Required</b>	Single	
Year	Element	<b>Required</b>	Single	2002
Month	Element	<b>Required</b>	Single	07
Date	Element	<b>Required</b>	Single	22
Time	Element	Optional	Single	
RequestNumber	Element	Optional	Single	QM0802C07654
RequestingParty	Group	Optional	Single	
PartyIdentifier	Element	Optional	Multiple	9876534
PartyIdentifierType	Attribute	<b>Required</b>	Single	SAN
NameAddress	Group	<b>Required</b>	Single	
Name1	Element	<b>Required</b>	Single	Harper Collins Publishers
RespondToParty	Group	Optional	Multiple	Party Construct
PartyIdentifier	Element	Optional	Multiple	7778888
PartyIdentifierType	Attribute	<b>Required</b>	Single	SAN
NameAddress	Group	<b>Required</b>	Single	
Name1	Element	<b>Required</b>	Single	Quebecor - Martinsburg
SenderParty	Group	Optional	Single	Party Construct
PartyIdentifier	Element	Optional	Multiple	6665555
PartyIdentifierType	Attribute	<b>Required</b>	Single	SAN
NameAddress	Group	<b>Required</b>	Single	
Name1	Element	<b>Required</b>	Single	Coral Graphics
ReceiverParty	Group	Optional	Multiple	Party Construct
PartyIdentifier	Element	Optional	Multiple	9876534
PartyIdentifierType	Attribute	<b>Required</b>	Single	SAN
NameAddress	Group	<b>Required</b>	Single	
Name1	Element	<b>Required</b>	Single	Harper Collins Publishers
AdditionalText	Element	Optional	Multiple	
OrderStatusDetail	Element	<b>Required</b>	Multiple	
PurchaseOrderInformation	Group	<b>Required</b>	Single	
PurchaseOrderNumber	Element	<b>Required</b>	Single	C-01056065

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	PurchaseOrderReleaseNumber	Element	Optional	Single	
	PurchaseOrderIssuedDate	Group	Optional	Single	
	PurchaseOrderReference	Element	Optional	Multiple	
	PurchaseOrderReferenceType	Attribute	<b>Required</b>	Single	
	PurchaseOrderLineItemNumber	Element	Optional	Single	001
	"SupplierOrderGroup"	Group	Optional	Multiple	
	SupplierOrderNumber	Element	<b>Required</b>	Single	
	SupplierOrderLineItemNumber	Element	Optional	Single	
	LocationParty	Group	Optional	Single	Party Construct
	Product	Group	Optional	Single	
	ProductIdentifier	Element	<b>Required</b>	Multiple	Jacket0060392452
	ProductIdentifierType	Attribute	<b>Required</b>	Single	PartNumber
	Agency	Attribute	<b>Required</b>	Single	Buyer
	ProductDescription	Group	Optional	Multiple	
	Language	Attribute	<b>Required</b>	Single	
	Text	Element	<b>Required</b>	Single	
	Classification	Group	Optional	Multiple	
	ClassificationCode	Element	<b>Required</b>	Single	
	Agency	Attribute	<b>Required</b>	Single	
	ClassificationDescription	Element	Optional	Multiple	
	Book Manufacturing	Group	Optional	Single	
	SupplierParty	Group	Optional	Single	
	BuyerParty	Group	Optional	Single	
	ShiptoParty	Group	Optional	Single	
	EndUserParty	Group	Optional	Single	
	ForwarderParty	Group	Optional	Single	
	MerchantParty	Group	Optional	Single	
	SalesOfficeParty	Group	Optional	Single	
	LocationParty	Group	Optional	Single	
	OtherParty	Group	Optional	Multiple	
	OrderStatusInformation	Group	Optional	Single	
	OrderPrimaryStatus	Element	<b>Required</b>	Single	Accepted
	OrderStatusCode	Attribute	<b>Required</b>	Single	Packed
	OrderSecondaryStatus	Element	Optional	Single	Accepted
	OrderStatusCode	Attribute	Optional	Single	Unshipped
	Quantity	Group	Optional	Single	
	Value	Element	<b>Required</b>	Single	16110
	UOM	Attribute	<b>Required</b>	Single	Unit
	RangeMin	Element	Optional	Single	
	RangeMax	Element	Optional	Single	
	InformationalQuantity	Group	Optional	Multiple	
	Value	Element	<b>Required</b>	Single	

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		RangeMin	Element	Optional	Single	
		RangeMax	Element	Optional	Single	
		LastDateOfChange	Group	Optional	Single	
		DeliveryDateWindow	Group	Optional	Multiple	
		DeliveryDateType	Attribute	<b>Required</b>	Single	DeliveryRequestedDate
	1	DateTimeRange	Group	Optional	Single	
	1	Date	Group	<b>Required</b>	Single	
		Year	Element	<b>Required</b>	Single	2002
		Month	Element	<b>Required</b>	Single	07
		Date	Element	<b>Required</b>	Single	23
		Time	Element	Optional	Single	
		OtherDate	Group	Optional	Multiple	
	1	Date	Group	<b>Required</b>	Single	
		Time	Element	Optional	Single	
	1	Week	Element	<b>Required</b>	Single	
		ShipmentDetails	Element	Optional	Multiple	
		AdditionalText	Element	Optional	Multiple	

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### Appendix B – OrderStatus, Schedule Example

Element	Type	Required	Occurrence	Value/Notes
OrderStatus	Root	Required	Single	
Language	Attribute	Optional	Single	
OrderStatusType	Attribute	Required	Single	ByProduct
OrderStatusHeader	Element	Required	Single	
OrderStatusNumber	Element	Required	Single	2VNH09212002
OrderStatusResponseDate	Group	Required	Single	
Date	Group	Required	Single	
Year	Element	Required	Single	2002
Month	Element	Required	Single	09
Date	Element	Required	Single	21
Time	Element	Optional	Single	
RequestNumber	Element	Optional	Single	
RequestingParty	Group	Optional	Single	
RespondToParty	Group	Optional	Multiple	
SenderParty	Group	Optional	Single	
PartyIdentifier	Element	Optional	Multiple	1234567
PartyIdentifierType	Attribute	Optional	Single	SAN
NameAddress	Group	Required	Single	
Name1	Element	Required	Single	VonHoffmannPress
ReceiverParty	Group	Optional	Multiple	
AdditionalText	Element	Optional	Multiple	
1 OrderStatusDetail	Element	Required	Multiple	
PurchaseOrderInformation	Group	Required	Single	
PurchaseOrderNumber	Element	Required	Single	30-B88766A
PurchaseOrderReleaseNumber	Element	Optional	Single	
PurchaseOrderIssuedDate	Group	Optional	Single	
PurchaseOrderReference	Element	Optional	Multiple	007111511X
PurchaseOrderReferenceType	Attribute	Required	Single	ISBN10
PurchaseOrderReference	Element	Optional	Multiple	Chang
PurchaseOrderReferenceType	Attribute	Required	Single	Author
PurchaseOrderLineItemNumber	Element	Required	Single	001
"SupplierOrderGroup"	Group	Optional	Multiple	
SupplierOrderNumber	Element	Required	Single	
SupplierOrderLineItemNumber	Element	Optional	Single	
LocationParty	Group	Optional	Single	
Product	Group	Optional	Single	
1 ProductIdentifier	Element	Required	Multiple	
ProductIdentifierType	Element	Required	Single	
Agency	Attribute	Required	Single	
ProductDescription	Group	Optional	Multiple	
Classification	Group	Optional	Multiple	
SupplierParty	Group	Optional	Single	
PartyIdentifier	Element	Optional	Multiple	1234567
PartyIdentifierType	Attribute	Optional	Single	SAN

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Element		Type	Required	Occurrence	Value/Notes
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	VonHoffmannPress
	BuyerParty	Group	Optional	Single	
	ShiptoParty	Group	Optional	Single	
	PartyIdentifier	Element	Optional	Multiple	1119999
	PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	McGraw-Hill
	Name2	Element	Optional	Single	Gahanna Warehouse
	OrderStatusInformation	Element	Optional	Single	
	OrderPrimaryStatus	Element	<b>Required</b>	Single	Accepted
	OrderStatusCode	Attribute	<b>Required</b>	Single	ActiveFree
	DeliveryDateWindow	Group	Optional	Multiple	
	DeliveryDateType	Attribute	<b>Required</b>	Single	DeliveryRequestedDate
1	Date	Group	<b>Required</b>	Single	
	Year	Element	<b>Required</b>	Single	2002
	Month	Element	<b>Required</b>	Single	10
	Date	Element	<b>Required</b>	Single	04
	Time	Element	Optional	Single	
	ShipmentDetails	Element	Optional	Multiple	
	ShipToParty	Group	<b>Required</b>	Single	
	PartyIdentifier	Element	Optional	Multiple	1119999
	PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	McGraw-Hill
	Name2	Element	Optional	Single	Gahanna Warehouse
2	OrderStatusDetail	Element	<b>Required</b>	Multiple	
	PurchaseOrderInformation	Group	<b>Required</b>	Single	
	PurchaseOrderNumber	Element	<b>Required</b>	Single	30-B91337
	PurchaseOrderReleaseNumber	Element	Optional	Single	
	PurchaseOrderIssuedDate	Group	Optional	Single	
	PurchaseOrderReference	Element	Optional	Multiple	0072380128
	PurchaseOrderReferenceType	Attribute	<b>Required</b>	Single	ISBN10
	PurchaseOrderReference	Element	Optional	Multiple	Mason
	PurchaseOrderReferenceType	Attribute	<b>Required</b>	Single	Author
	PurchaseOrderLineItemNumber	Element	<b>Required</b>	Single	001
	"SupplierOrderGroup"	Group	Optional	Multiple	
	SupplierOrderNumber	Element	<b>Required</b>	Single	
	SupplierOrderLineItemNumber	Element	Optional	Single	
	LocationParty	Group	Optional	Single	
	Product	Group	Optional	Single	
1	ProductIdentifier	Element	<b>Required</b>	Multiple	
	ProductIdentifierType	Element	<b>Required</b>	Single	
	Agency	Attribute	<b>Required</b>	Single	
	SupplierParty	Group	Optional	Single	
	PartyIdentifier	Element	Optional	Multiple	1234567

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Element		Type	Required	Occurrence	Value/Notes
	PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	VonHoffmannPress
	OrderPrimaryStatus	Element	<b>Required</b>	Single	Cancelled
	OrderStatusCode	Attribute	<b>Required</b>	Single	Cancelled
	DeliveryDateWindow	Group	Optional	Multiple	
	DeliveryDateType	Attribute	<b>Required</b>	Single	DeliveryRequestedDate
1	Date	Group	<b>Required</b>	Single	
	Year	Element	<b>Required</b>	Single	2002
	Month	Element	<b>Required</b>	Single	11
	Date	Element	<b>Required</b>	Single	29
	Time	Element	Optional	Single	
3	OrderStatusDetail	Element	<b>Required</b>	Multiple	
	PurchaseOrderInformation	Group	<b>Required</b>	Single	
	PurchaseOrderNumber	Element	<b>Required</b>	Single	30-B89969
	PurchaseOrderReleaseNumber	Element	Optional	Single	
	PurchaseOrderIssuedDate	Group	Optional	Single	
	PurchaseOrderReference	Element	Optional	Multiple	0072315679
	PurchaseOrderReferenceType	Attribute	<b>Required</b>	Single	ISBN10
	PurchaseOrderReference	Element	Optional	Multiple	Hybels
	PurchaseOrderReferenceType	Attribute	<b>Required</b>	Single	Author
	PurchaseOrderLineItemNumber	Element	<b>Required</b>	Single	001
	"SupplierOrderGroup"	Group	Optional	Multiple	
	SupplierOrderNumber	Element	<b>Required</b>	Single	
	SupplierOrderLineItemNumber	Element	Optional	Single	
	LocationParty	Group	Optional	Single	
	Product	Group	Optional	Single	
1	ProductIdentifier	Element	<b>Required</b>	Multiple	
	ProductIdentifierType	Element	<b>Required</b>	Single	
	Agency	Attribute	<b>Required</b>	Single	
	SupplierParty	Group	Optional	Single	
	PartyIdentifier	Element	Optional	Multiple	1234567
	PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	VonHoffmannPress
	BuyerParty	Group	Optional	Single	
	ShiptoParty	Group	Optional	Single	
	PartyIdentifier	Element	Optional	Multiple	1119999
	PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress	Group	<b>Required</b>	Single	
	Name1	Element	<b>Required</b>	Single	McGraw-Hill
	Name2	Element	Optional	Single	Gahanna Warehouse
	OrderStatusInformation	Element	Optional	Single	
	OrderPrimaryStatus	Element	<b>Required</b>	Single	Accepted
	OrderStatusCode	Attribute	<b>Required</b>	Single	Packed
	OrderSecondaryStatus	Type	Optional	Single	Accepted

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Element		Type	Required	Occurrence	Value/Notes
	OrderStatusCode	Attribute	Optional	Single	Unshipped
	Quantity	Group	Optional	Single	
	Value	Element	<b>Required</b>	Single	
	RangeMin	Element	Optional	Single	
	RangeMax	Element	Optional	Single	
	InformationalQuantity	Group	Optional	Multiple	
	Value	Element	<b>Required</b>	Single	
	RangeMin	Element	Optional	Single	
	RangeMax	Element	Optional	Single	
	LastDateOfChange	Group	Optional	Single	
	DeliveryDateWindow	Group	Optional	Multiple	
	DeliveryDateType	Attribute	<b>Required</b>	Single	DeliveryRequestedDate
1	DateTimeRange	Group	Optional	Single	
	DateTimeFrom	Group	<b>Required</b>	Single	
	Date	Element	<b>Required</b>	Single	
	Time	Element	Optional	Single	
	DateTimeTo	Group	<b>Required</b>	Single	
	Date	Element	<b>Required</b>	Single	
	Time	Element	Optional	Single	
1	Month	Element	<b>Required</b>	Single	
1	Week	Element	<b>Required</b>	Single	
1	Date	Element	<b>Required</b>	Single	
	Year	Group	<b>Required</b>	Single	2002
	Month	Element	<b>Required</b>	Single	09
	Date	Element	<b>Required</b>	Single	20
	Time	Element	Optional	Single	
	OtherDate	Group	Optional	Multiple	
	ShipmentDetails	Element	Optional	Multiple	
	ShipToParty	Group	<b>Required</b>	Single	
	Quantity	Group	Optional	Single	