



papiNet



Book Order Status Documentation

papiNet Standard - Version 2.31

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

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Order Status Documentation

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
-

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characteristics

- 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

OrderStatus Business Rules

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

Identifier Business 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".

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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 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 OrderStatus is processed automatically in the supplier's system.

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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). 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

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OrderStatus

The root element of the Order Status message.

OrderStatusType [attribute]

Communicates the method in which the order status has been, or should be, summarized.

This item is restricted to the following list.

ByProduct

By product

ByPurchaseOrder

By the purchase order the material was ordered

BySupplierOrderNumber

By the order the material was manufactured.

Language [attribute]

Language is optional. A single instance might exist.

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

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

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

OrderStatusHeader

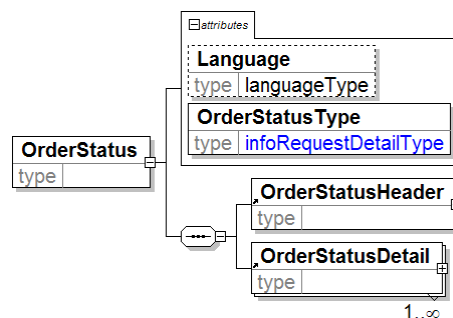
OrderStatusHeader is mandatory. A single instance is required.

Information that applies to the entire Order Status message.

OrderStatusDetail

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

The specifics of the information being communicated in the Order Status message.



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Primary Elements

OrderStatusHeader

Information that applies to the entire Order Status e-document.

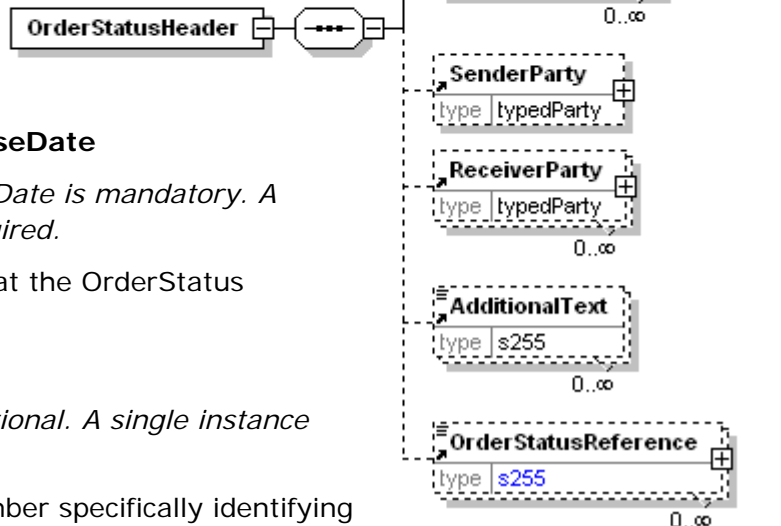
(sequence)

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

OrderStatusNumber

OrderStatusNumber is mandatory. A single instance is required.

A number used to identify the Order Status report.



OrderStatusResponseDate

OrderStatusResponseDate is mandatory. A single instance is required.

The Date and Time that the OrderStatus message was created.

RequestNumber

RequestNumber is optional. A single instance might exist.

A unique tracking number specifically identifying the InfoRequest message to the originator. The tracking number is returned with the "information", the answer, to help match the answer to the request.

RequestingParty

RequestingParty is optional. A single instance might exist.

The party requesting the information.

RespondToParty

RespondToParty is optional. Multiple instances might exist.

The party the document should be responded to.

SenderParty

SenderParty is optional. A single instance might exist.

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

The entity responsible for the content. If the sender party has out sourced the message service to a third party the SenderParty is the issuer of the e-document and not the party performing the transmission service of the electronic message.

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ReceiverParty

ReceiverParty is optional. Multiple instances might exist.

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

The entity interested in the content. If the receiver party has outsourced the message service to a third party the ReceiverParty is the intended party for the e-document and not the party performing the receiving service of the electronic message.

AdditionalText

AdditionalText is optional. Multiple instances might exist.

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

OrderStatusReference

OrderStatusReference is optional. Multiple instances might exist.

An item detailing relevant references (such as contract number) pertaining to the Order status. The type of reference is identified by the attribute OrderStatusReferenceType.

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OrderStatusDetail

The specifics of the information being communicated in the Order Status e-document.

(sequence)

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

PurchaseOrderInformation

PurchaseOrderInformation is mandatory. A single instance is required.

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

PurchaseOrderLineItemNumber

PurchaseOrderLineItemNumber is mandatory. A single instance is required.

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

(sequence)

The sequence of items below is optional. Multiple instances might exist.

SupplierOrderNumber

SupplierOrderNumber is mandatory. A single instance is required.

The number of the supplier order.

SupplierOrderLineItemNumber

SupplierOrderLineItemNumber is optional. A single instance might exist.

The number of the line item on the supplier order.

LocationParty

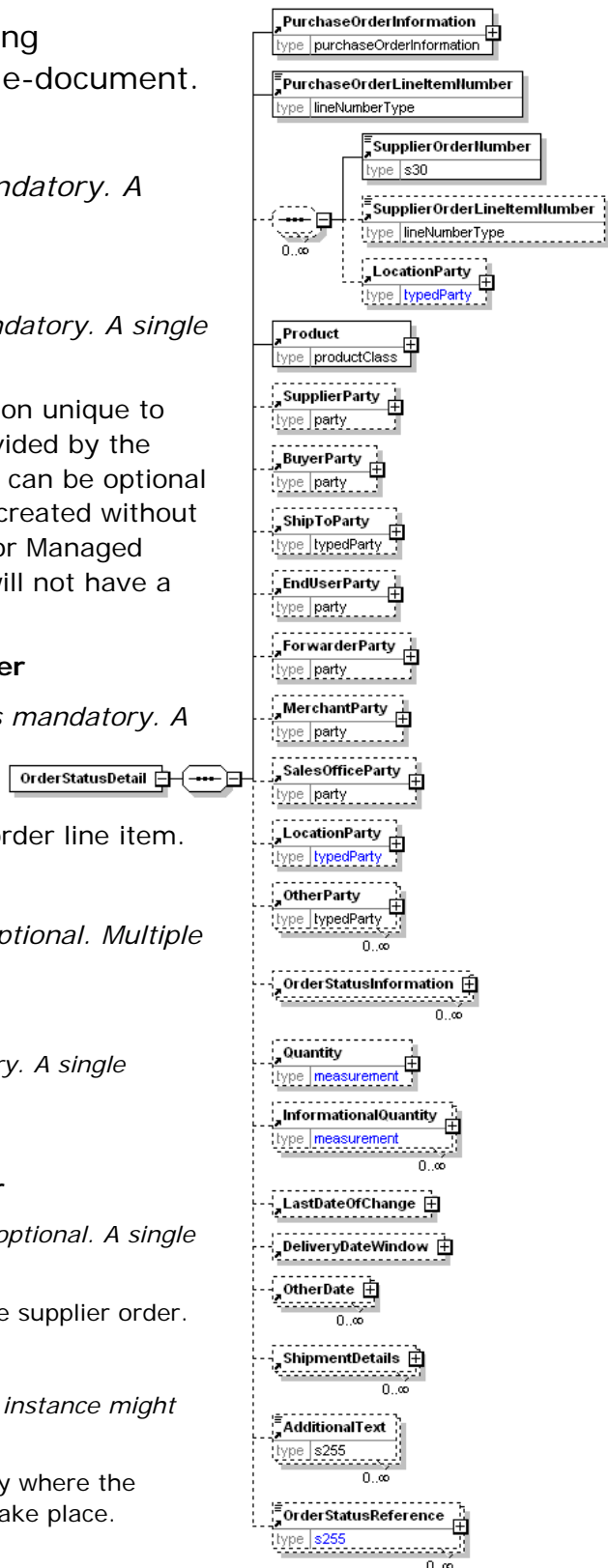
LocationParty is optional. A single instance might exist.

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

Product

Product is mandatory. A single instance is required.

Product is a group item defining the article and its characteristics. Product is used to specify product characteristics organized by ProductIdentifier,



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ProductDescription, and Classification. Book Manufacturing, Label Stock, Paper, Pulp, Recovered Paper, Wood Products, and Virgin Fibre market segments have defined their product characteristics and conversion features for implementation in papiNet.

SupplierParty

SupplierParty is optional. A single instance might exist.

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

BuyerParty

BuyerParty is optional. A single instance might exist.

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

ShipToParty

ShipToParty is optional. A single instance might exist.

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

EndUserParty

EndUserParty is optional. A single instance might exist.

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.

ForwarderParty

ForwarderParty is optional. A single instance might exist.

The trading partner involved in the forwarding of the shipment.

MerchantParty

MerchantParty is optional. A single instance might exist.

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.

SalesOfficeParty

SalesOfficeParty is optional. A single instance might exist.

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.

LocationParty

LocationParty is optional. A single instance might exist.

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

OtherParty

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OtherParty is optional. Multiple instances might exist.

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

OrderStatusInformation

OrderStatusInformation is optional. A single instance might exist.

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

Quantity

Quantity is optional. Multiple instances might exist.

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

The Quantity element contains three child elements that enable you to communicate a range of values for the quantity and a target or actual value. It is at this level (Value, RangeMin, and RangeMax) that the unit of measure is specified. This permits the range to be specified in a different unit of measure than the target.

InformationalQuantity

InformationalQuantity is optional. Multiple instances might exist.

A quantity given in a valid UOM used for information purposes only (not for calculation). For example, an ordered quantity was 100 reels as opposed to the invoice quantity of 20,000 pounds.

LastDateOfChange

LastDateOfChange is optional. A single instance might exist.

The last date for which changes to the line item may occur before it is "locked" in the production process. LastDateOfChange encapsulates Date.

DeliveryDateWindow

DeliveryDateWindow is optional. A single instance might exist.

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

OtherDate

OtherDate is optional. Multiple instances might exist.

A date that may not be specifically detailed within a document (example: print date at the PurchaseOrderLineItem).

ShipmentDetails

ShipmentDetails is optional. Multiple instances might exist.

A group element containing information that relates to the shipment details for the line item.

AdditionalText

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AdditionalText is optional. Multiple instances might exist.

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

OrderStatusReference

OrderStatusReference is optional. Multiple instances might exist.

An item detailing relevant references (such as contract number) pertaining to the Order status. The type of reference is identified by the attribute OrderStatusReferenceType.

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Order Status Business Scenarios

OrderStatus Business Scenarios

Scenario 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".
Scenario B	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".
Scenario C	Scenario C is skipped in the Book model for consistency at the documentation level with the broader papiNet Standard.
Scenario D	Partners have previously agreed upon the Supplier publishing a periodic OrderStatus update on a specific schedule. There is no InfoRequest message.
Scenario E	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".
Scenario F	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

Message	OrderStatus
Type	ByPurchaseOrder
Business Scenario	<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->>Supplier: Receive InfoRequest() activate Supplier Supplier-->>Buyer: BusinessAcknowledgement deactivate Supplier participant Supplier as Supplier : SenderParty participant Publisher as Publisher : ReceiverParty Supplier->>Publisher: Receive OrderStatus() activate Publisher Publisher-->>Supplier: BusinessAcknowledgement deactivate Publisher </pre>
Scenario 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 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"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO
Step 2	Seller receives an InfoRequest and responds with

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

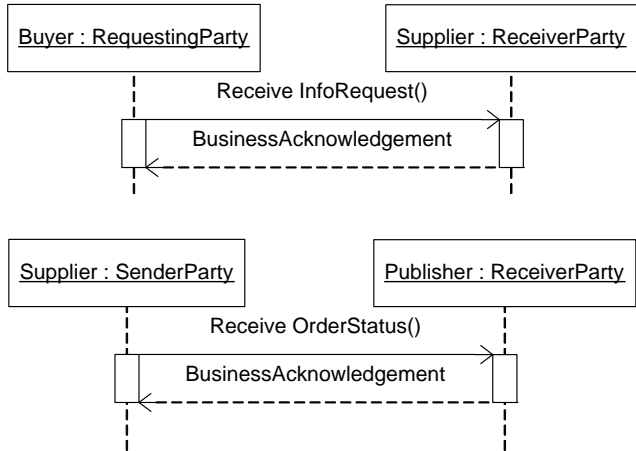
- OrderStatusType = ByPurchaseOrder
- OrderStatusNumber = unique number
- OrderStatusResponseDate = response date
- RequestNumber = unique number
- SenderParty = supplier
- RequestingParty = publisher
- RespondToParty = publisher
- For each PO line item:
 - PurchaseOrderInformation = specified PO
 - 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

Message	OrderStatus
Type	ByPurchaseOrder
Business Scenario	<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->>Supplier: Receive InfoRequest() activate Supplier Supplier-->>Buyer: BusinessAcknowledgement deactivate Supplier participant Supplier as Supplier : SenderParty participant Publisher as Publisher : ReceiverParty Supplier->>Publisher: Receive OrderStatus() activate Publisher Publisher-->>Supplier: BusinessAcknowledgement deactivate Publisher </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 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"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = publisher • RequestingParty = publisher • RespondToParty = publisher • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO • PurchaseOrderLineItemNumber = specified PO line

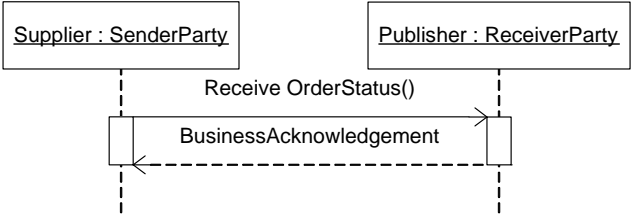
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	<p>item 1</p> <ul style="list-style-type: none">• PurchaseOrderLineItemNumber = specified PO line item 2
Step 2	<p>Seller receives an InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none">• OrderStatusType = ByPurchaseOrder• OrderStatusNumber = unique number• OrderStatusResponseDate = response date• RequestNumber = unique number• SenderParty = supplier• RequestingParty = publisher• RespondToParty = publisher• For each PO line item:<ul style="list-style-type: none">• PurchaseOrderInformation = specified PO• PurchaseOrderLineItemNumber = PO line item• OrderStatusCode = status of PO line item• Product = product identifier <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 D

Message	OrderStatus
Type	ByPurchaseOrder or ByProduct
Business Scenario	<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->>P: Receive OrderStatus() P-->>S: BusinessAcknowledgement </pre>
Outcome	An OrderStatus is generated by the Supplier's system and received into the Buyer's system.
Initiator	NA
Receiver	Buyer
Trigger	Prearranged schedule
Step 1	<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"> • OrderStatusType = ByPurchaseOrder or ByProduct • OrderStatusNumber = unique number • OrderStatusResponseDate = response date • SenderParty = supplier • RequestingParty = publisher • RespondToParty = publisher • For each PO line item: <ul style="list-style-type: none"> • PurchaseOrderInformation = specified PO • PurchaseOrderLineItemNumber = PO line item <p>and/or</p> <ul style="list-style-type: none"> • Product = product identifier • OrderStatusCode = status of PO line item <p>It is likely that many of the optional elements in the OrderStatus message will also be populated in the</p>

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	response message.
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Scenario E

Message	OrderStatus
Type	ByPurchaseOrder
Business Scenario	<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->>Supplier: Receive InfoRequest() Supplier-->>Buyer: BusinessAcknowledgement participant Supplier as Supplier : SenderParty participant Publisher as Publisher : ReceiverParty Supplier->>Publisher: Receive OrderStatus() Publisher-->>Supplier: BusinessAcknowledgement </pre>
Outcome	An OrderStatus is generated by the Supplier's system and received into the Buyer's/Marketplace's system.
Initiator	Buyer/website
Receiver	Supplier
Trigger	InfoRequest
Step 1	<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"> • InfoRequestType = OrderStatus • RequestNumber = unique number • SenderParty = website or e-marketplace • RequestingParty = publisher • RespondToParty = website or e-marketplace • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO

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Step 2

Seller receives InfoRequest and responds 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 = 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

Message	OrderStatus
Type	ByPurchaseOrder
Business Scenario	<p>Buyer/Publisher issues a PurchaseOrder to the Component Vendor for a cover to be printed by a printer/binder and transmits a copy of the PurchaseOrder to the printer/binder. The Printer/Binder later issues an InfoRequest to the Component Vendor to learn about the status of the covers which had been sent to the component vendor. The InfoRequestType is "OrderStatusRequestDetailType" and the OrderStatusRequestDetailType is "ByPurchaseOrder".</p> <pre> sequenceDiagram participant Buyer as Buyer : RequestingParty participant Supplier as Supplier : ReceiverParty Buyer->>Supplier: Receive InfoRequest() Supplier-->>Buyer: BusinessAcknowledgement participant Supplier as Supplier : SenderParty participant Publisher as Publisher : ReceiverParty Supplier->>Publisher: Receive OrderStatus() Publisher-->>Supplier: BusinessAcknowledgement </pre>
Outcome	An InfoRequest is generated by the Printer/Binder's system and received by the Component Vendor's system.
Initiator	Printer/Binder
Receiver	Supplier (Component Vendor)
Trigger	None
Step 1	<p>Printer/Binder records an original receipt of the PurchaseOrder in their system then sends it to the Supplier (component vendor). At a minimum, the following elements and corresponding attributes are recorded:</p> <ul style="list-style-type: none"> • InfoRequestType = OrderStatusRequestDetailType • RequestNumber = unique number

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	<ul style="list-style-type: none"> • SenderParty = printer/binder • RequestingParty = printer/binder • RespondToParty = printer/binder • OrderStatusRequestDetailType = ByPurchaseOrder • ByPurchaseOrder = specified PO • Product = specified product identifier
Step 2	<p>Supplier (Component Vendor) receives OrderStatusInfoRequest and responds with OrderStatusInfoResponse. As a minimum, all required elements and their corresponding attributes are recorded in the response message.</p> <ul style="list-style-type: none"> • OrderStatusType = ByPurchaseOrder • OrderStatusNumber = unique number • OrderStatusResponseDate = response date • RequestNumber = unique number • SenderParty = supplier • RequestingParty = publisher • RespondToParty = publisher • For each PO: <ul style="list-style-type: none"> • PurchaseOrderInformation = specified PO • OrderStatusCode = status of PO • Product = product identifier <p>It is likely that many of the optional elements in the OrderStatus message will also be present in the response message.</p>

Element	Type	Required	Occurrence	Value/Notes
OrderStatus	Root	Required	Single	
Language	Attribute	Optional	Single	
OrderStatusType	Attribute	Required	Single	ByPurchaseOrder
OrderStatusHeader	Group	Required	Single	
OrderStatusNumber	Element	Required	Single	CG08134A
OrderStatusResponseDate	Group	Required	Single	
Date	Group	Required	Single	
Year	Element	Required	Single	2002

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			Month	Element	Required	Single	07
			Date	Element	Required	Single	22
			Time	Element	Optional	Single	
			RequestNumber	Element	Optional	Single	QM0802C07
			RequestingParty	Group	Optional	Single	
			PartyIdentifier	Element	Optional	Multiple	9876534
			PartyIdentifierType	Attribute	Required	Single	SAN
			NameAddress	Group	Required	Single	
			Name1	Element	Required	Single	Harper Collin
			RespondToParty	Group	Optional	Multiple	Party Construct
			PartyIdentifier	Element	Optional	Multiple	7778888
			PartyIdentifierType	Attribute	Required	Single	SAN
			NameAddress	Group	Required	Single	
			Name1	Element	Required	Single	Quebecor - M
			SenderParty	Group	Optional	Single	Party Construct
			PartyIdentifier	Element	Optional	Multiple	6665555
			PartyIdentifierType	Attribute	Required	Single	SAN
			NameAddress	Group	Required	Single	
			Name1	Element	Required	Single	Coral Graphi
			ReceiverParty	Group	Optional	Multiple	Party Construct
			PartyIdentifier	Element	Optional	Multiple	9876534
			PartyIdentifierType	Attribute	Required	Single	SAN
			NameAddress	Group	Required	Single	
			Name1	Element	Required	Single	Harper Collin
			AdditionalText	Element	Optional	Multiple	
			OrderStatusDetail	Element	Required	Multiple	
			PurchaseOrderInformation	Group	Required	Single	
			PurchaseOrderNumber	Element	Required	Single	C-01056065
			PurchaseOrderReleaseNumber	Element	Optional	Single	
			PurchaseOrderIssuedDate	Group	Optional	Single	
			PurchaseOrderReference	Element	Optional	Multiple	
			PurchaseOrderReferenceType	Attribute	Required	Single	
			PurchaseOrderLineItemNumber	Element	Optional	Single	001
			"Supplier Order Group"	Group	Optional	Multiple	
			SupplierOrderNumber	Element	Required	Single	
			SupplierOrderLineItemNumber	Element	Optional	Single	
			LocationParty	Group	Optional	Single	Party Construct
			Product	Group	Optional	Single	
			ProductIdentifier	Element	Required	Multiple	Jacket00603
			ProductIdentifierType	Attribute	Required	Single	PartNumber
			Agency	Attribute	Required	Single	Buyer
			ProductDescription	Group	Optional	Multiple	
			Language	Attribute	Required	Single	
			Text	Element	Required	Single	
			Classification	Group	Optional	Multiple	
			ClassificationCode	Element	Required	Single	

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Element	Type	Required	Occurrence	Value/Notes
	Agency	Attribute	Required	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	Required	Single Accepted
	OrderStatusCode	Attribute	Required	Single Packed
	OrderSecondaryStatus	Element	Optional	Single Accepted
	OrderStatusCode	Attribute	Optional	Single Unshipped
	Quantity	Group	Optional	Single
	Value	Element	Required	Single 16110
	UOM	Attribute	Required	Single Unit
	RangeMin	Element	Optional	Single
	RangeMax	Element	Optional	Single
	InformationalQuantity	Group	Optional	Multiple
	Value	Element	Required	Single
	RangeMin	Element	Optional	Single
	RangeMax	Element	Optional	Single
	LastDateOfChange	Group	Optional	Single
	DeliveryDateWindow	Group	Optional	Multiple
	DeliveryDateType	Attribute	Required	Single DeliveryReques
1	DateTimeRange	Group	Optional	Single
1	Date	Group	Required	Single
	Year	Element	Required	Single 2002
	Month	Element	Required	Single 07
	Date	Element	Required	Single 23
	Time	Element	Optional	Single
	OtherDate	Group	Optional	Multiple
1	Date	Group	Required	Single
	Time	Element	Optional	Single
1	Week	Element	Required	Single
	ShipmentDetails	Element	Optional	Multiple
	AdditionalText	Element	Optional	Multiple
Element	Type	Required	Occurrence	Value/Notes
OrderStatus	Root	Required	Single	
Language	Attribute	Optional	Single	
OrderStatusType	Attribute	Required	Single	ByProduct

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	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	VonHoffmannPr
	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
	"Supplier Order Group"			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
		NameAddress		Group	Required	Single	
			Name1	Element	Required	Single	VonHoffmannPr
	BuyerParty			Group	Optional	Single	
	ShipToParty			Group	Optional	Single	
		PartyIdentifier		Element	Optional	Multiple	1119999
			PartyIdentifierType	Attribute	Optional	Single	SAN
		NameAddress		Group	Required	Single	
			Name1	Element	Required	Single	McGraw-Hill

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		Name2	Element	Optional	Single	Gahanna Wareh
	OrderStatusInformation		Element	Optional	Single	
	OrderPrimaryStatus		Element	Required	Single	Accepted
		OrderStatusCode	Attribute	Required	Single	ActiveFree
	DeliveryDateWindow		Group	Optional	Multiple	
		DeliveryDateType	Attribute	Required	Single	DeliveryRequest
	1	Date	Group	Required	Single	
		Year	Element	Required	Single	2002
		Month	Element	Required	Single	10
		Date	Element	Required	Single	04
		Time	Element	Optional	Single	
	ShipmentDetails		Element	Optional	Multiple	
	ShipToParty		Group	Required	Single	
	PartyIdentifier		Element	Optional	Multiple	1119999
		PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress		Group	Required	Single	
		Name1	Element	Required	Single	McGraw-Hill
		Name2	Element	Optional	Single	Gahanna Wareh
2	OrderStatusDetail		Element	Required	Multiple	
	PurchaseOrderInformation		Group	Required	Single	
		PurchaseOrderNumber	Element	Required	Single	30-B91337
		PurchaseOrderReleaseNumber	Element	Optional	Single	
		PurchaseOrderIssuedDate	Group	Optional	Single	
		PurchaseOrderReference	Element	Optional	Multiple	0072380128
		PurchaseOrderReferenceType	Attribute	Required	Single	ISBN10
		PurchaseOrderReference	Element	Optional	Multiple	Mason
		PurchaseOrderReferenceType	Attribute	Required	Single	Author
		PurchaseOrderLineItemNumber	Element	Required	Single	001
	"Supplier Order Group"		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	
	SupplierParty		Group	Optional	Single	
		PartyIdentifier	Element	Optional	Multiple	1234567
		PartyIdentifierType	Attribute	Optional	Single	SAN
	NameAddress		Group	Required	Single	
		Name1	Element	Required	Single	VonHoffmannPr
		OrderPrimaryStatus	Element	Required	Single	Cancelled
		OrderStatusCode	Attribute	Required	Single	Cancelled
	DeliveryDateWindow		Group	Optional	Multiple	
		DeliveryDateType	Attribute	Required	Single	DeliveryRequest
	1	Date	Group	Required	Single	
		Year	Element	Required	Single	2002
		Month	Element	Required	Single	11
		Date	Element	Required	Single	29

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		Time	Element	Optional	Single	
3	OrderStatusDetail		Element	Required	Multiple	
	PurchaseOrderInformation		Group	Required	Single	
		PurchaseOrderNumber	Element	Required	Single	30-B89969
		PurchaseOrderReleaseNumber	Element	Optional	Single	
		PurchaseOrderIssuedDate	Group	Optional	Single	
		PurchaseOrderReference	Element	Optional	Multiple	0072315679
		PurchaseOrderReferenceType	Attribute	Required	Single	ISBN10
		PurchaseOrderReference	Element	Optional	Multiple	Hybels
		PurchaseOrderReferenceType	Attribute	Required	Single	Author
		PurchaseOrderLineItemNumber	Element	Required	Single	001
	"Supplier Order Group"		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	
	SupplierParty		Group	Optional	Single	
		PartyIdentifier	Element	Optional	Multiple	1234567
		PartyIdentifierType	Attribute	Optional	Single	SAN
		NameAddress	Group	Required	Single	
		Name1	Element	Required	Single	VonHoffmannPr
	BuyerParty		Group	Optional	Single	
	ShipToParty		Group	Optional	Single	
		PartyIdentifier	Element	Optional	Multiple	1119999
		PartyIdentifierType	Attribute	Optional	Single	SAN
		NameAddress	Group	Required	Single	
		Name1	Element	Required	Single	McGraw-Hill
		Name2	Element	Optional	Single	Gahanna Wareh
	OrderStatusInformation		Element	Optional	Single	
		OrderPrimaryStatus	Element	Required	Single	Accepted
		OrderStatusCode	Attribute	Required	Single	Packed
		OrderSecondaryStatus	Type	Optional	Single	Accepted
		OrderStatusCode	Attribute	Optional	Single	Unshipped
	Quantity		Group	Optional	Single	
		Value	Element	Required	Single	
		RangeMin	Element	Optional	Single	
		RangeMax	Element	Optional	Single	
	InformationalQuantity		Group	Optional	Multiple	
		Value	Element	Required	Single	
		RangeMin	Element	Optional	Single	
		RangeMax	Element	Optional	Single	
	LastDateOfChange		Group	Optional	Single	
	DeliveryDateWindow		Group	Optional	Multiple	
		DeliveryDateType	Attribute	Required	Single	DeliveryRequest
	1	DateTimeRange	Group	Optional	Single	
		DateTimeFrom	Group	Required	Single	

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				Date	Element	Required	Single	
				Time	Element	Optional	Single	
			DateTimeTo		Group	Required	Single	
				Date	Element	Required	Single	
				Time	Element	Optional	Single	
	1	Month			Element	Required	Single	
	1	Week			Element	Required	Single	
	1	Date			Element	Required	Single	
			Year		Group	Required	Single	2002
			Month		Element	Required	Single	09
			Date		Element	Required	Single	20
		Time			Element	Optional	Single	
	OtherDate				Group	Optional	Multiple	
	ShipmentDetails				Element	Optional	Multiple	
		ShipToParty			Group	Required	Single	
		Quantity			Group	Optional	Single	