

# Global Standard for the Paper and Forest Products

**Book Order Status Documentation** 

papiNet

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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, <a href="http://www.papinet.org">http://www.papinet.org</a>.

#### 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

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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
- 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.

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#### **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 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 <a href="www.papiNet.org">www.papiNet.org</a>). 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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#### **Book Order Status Documentation**

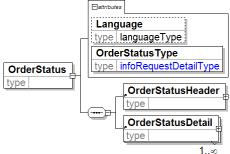
#### **OrderStatus**

The root element of the Order Status message.

## OrderStatusType [attribute] Type (Order Status Message Definition)

OrderStatusType is mandatory. A single instance is required.

Be aware that this attribute has two rather dissimilar definitions depending on where it is used.



#### **OrderStatus**

• Communicates the method in which the order status has been summarized.

#### **PurchaseOrderWood**

• Communicates the stage of the wood Purchase Order.

Refer to the main item definition for any enumerations.

#### 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.

Refer to the main item definition for any enumerations.

#### **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 message.

#### **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.

#### OrderStatusNumber type s30 OrderStatusResponseDate type RequestNumber type s30 RequestingParty | type typedParty OrderStatusHeader RespondToParty , type type typedParty 0...∞ SenderParty type typedParty ReceiverParty type typedParty 0... AdditionalText type s255

#### 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.

• This is the same entity as the "From" party in the ebXML message service envelope. The entity responsible for the content. If the sender party has

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out sourced the transmission function to a third party the sender party is the original party not the party performing the transmission service.

#### ReceiverParty

ReceiverParty is optional. Multiple instances might exist.

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

 This is the same entity as the "To" party in the ebXML message service envelop. The entity interested in the content. If the receiver party has outsourced the message receipt function to a third party the receiver party is the intended party not the party performing the receiving process.

#### **AdditionalText**

AdditionalText is optional. Multiple instances might exist.

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

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#### **OrderStatusDetail**

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

#### **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.

OrderStatusDetail

#### (sequence)

(sequence) 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.



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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, 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. Refer to the specialized Product Data Dictionary, available at www.papiNet.org.

#### **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.

#### **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.

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#### 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**

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. A single instance might exist.

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

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

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#### 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**

AdditionalText is optional. Multiple instances might exist.

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

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### **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	
Туре	ByPurchaseOrder	
Business Scenario	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".    Buyer:RequestingParty	
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	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:  • InfoRequestType = OrderStatus  • RequestNumber = unique number  • SenderParty = publisher  • RequestingParty = publisher	

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	<ul> <li>RespondToParty = publisher</li> </ul>	
	<ul> <li>OrderStatusRequestDetailType = ByPurchaseOrder</li> </ul>	
	ByPurchaseOrder = specified PO	
Step 2	Seller receives an InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:	
	<ul> <li>OrderStatusType = ByPurchaseOrder</li> </ul>	
	<ul> <li>OrderStatusNumber = unique number</li> </ul>	
	<ul> <li>OrderStatusResponseDate = response date</li> </ul>	
	<ul> <li>RequestNumber = unique number</li> </ul>	
	<ul><li>SenderParty = supplier</li></ul>	
	<ul> <li>RequestingParty = publisher</li> </ul>	
	<ul> <li>RespondToParty = publisher</li> </ul>	
	For each PO line item:	
	<ul> <li>PurchaseOrderInformation = specified PO</li> </ul>	
	<ul> <li>PurchaseOrderLineItemNumber = PO line item</li> </ul>	
	<ul> <li>OrderStatusCode = status of PO line item</li> </ul>	
	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	
Туре	ByPurchaseOrder	
Business Scenario	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".    Buyer: RequestingParty	
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	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:  • InfoRequestType = OrderStatus  • RequestNumber = unique number  • SenderParty = publisher  • RequestingParty = publisher	

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	<ul> <li>RespondToParty = publisher</li> </ul>	
	<ul> <li>OrderStatusRequestDetailType = ByPurchaseOrder</li> </ul>	
	ByPurchaseOrder = specified PO	
	<ul> <li>PurchaseOrderLineItemNumber = specified PO line item 1</li> </ul>	
	<ul> <li>PurchaseOrderLineItemNumber = specified PO line item 2</li> </ul>	
Step 2	Seller receives an InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:	
	<ul> <li>OrderStatusType = ByPurchaseOrder</li> </ul>	
	OrderStatusNumber = unique number	
<ul> <li>OrderStatusResponseDate = response date</li> <li>RequestNumber = unique number</li> </ul>		
	<ul> <li>RequestingParty = publisher</li> </ul>	
	<ul> <li>RespondToParty = publisher</li> </ul>	
	For each PO line item:	
	<ul> <li>PurchaseOrderInformation = specified PO</li> </ul>	
	PurchaseOrderLineItemNumber = PO line item	
	<ul> <li>OrderStatusCode = status of PO line item</li> </ul>	
	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

30011		
Message	OrderStatus	
Туре	ByPurchaseOrder or ByProduct	
Business Scenario	Partners have previously agreed upon the Supplier publishing a periodic OrderStatus update on a specific schedule.  Supplier: SenderParty  Receive OrderStatus()  BusinessAcknowledgement	
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	Supplier initiates an OrderStatus message at predefined intervals. At a minimum, all required elements and corresponding attributes are recorded:  OrderStatusType = ByPurchaseOrder or ByProduct  OrderStatusNumber = unique number  OrderStatusResponseDate = response date  SenderParty = supplier  RequestingParty = publisher  RespondToParty = publisher  For each PO line item:  PurchaseOrderInformation = specified PO  PurchaseOrderLineItemNumber = PO line item	

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#### and/or

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

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 E

Mossago	OrderStatus	
Message _		
Туре	ByPurchaseOrder	
Business Scenario	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".    Buyer: RequestingParty	
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	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:  • InfoRequestType = OrderStatus  • RequestNumber = unique number  • SenderParty = website or e-marketplace	

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	<ul> <li>RequestingParty = publisher</li> </ul>	
	<ul> <li>RespondToParty = website or e-marketplace</li> </ul>	
	<ul> <li>OrderStatusRequestDetailType = ByPurchaseOrder</li> </ul>	
	ByPurchaseOrder = specified PO	
Step 2	Seller receives InfoRequest and responds with OrderStatus. At a minimum, all required elements and corresponding attributes are recorded:	
	<ul> <li>OrderStatusType = ByPurchaseOrder</li> </ul>	
	<ul> <li>OrderStatusNumber = unique number</li> </ul>	
	<ul> <li>OrderStatusResponseDate = response date</li> </ul>	
	<ul> <li>RequestNumber = unique number</li> </ul>	
	• SenderParty = supplier	
	<ul> <li>RequestingParty = website or e-marketplace</li> </ul>	
	<ul> <li>RespondToParty = publisher</li> </ul>	
	For each PO line item:	
	<ul> <li>PurchaseOrderInformation = specified PO</li> </ul>	
	<ul> <li>PurchaseOrderLineItemNumber = PO line item</li> </ul>	
	<ul> <li>OrderStatusCode = status of PO line item</li> </ul>	
	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

Managara	OrderCtetue
Message	OrderStatus
Туре	ByPurchaseOrder
Business Scenario	Buyer/Publisher issues a PurchaseOrder Component Vendor for a cover to be shad printer/binder and transmits a copy of PurchaseOrder to the printer/binder. The Printer/Binder later issues an InfoRequilearn about the status of the covers on which had been sent to the component The InfoRequestType is "OrderStatus" OrderStatusRequestDetailType is "ByPurchaseOrder".    Buyer: RequestingParty
Outcome	An InfoRequest is generated by the Printer/Binder's system and received in Component Vendor's system.
Initiator	Printer/Binder
Receiver	Supplier (Component Vendor)
Trigger	None
Step 1	Printer/Binder records an original requition their system then sends it to the Supp (component vendor). At a minimum, a

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	elements and corresponding attributes recorded:
	<ul> <li>InfoRequestType = OrderStatus</li> </ul>
	RequestNumber = unique number
	• SenderParty = printer/binder
	• RequestingParty = printer/binder
	• RespondToParty = printer/binder
	<ul> <li>OrderStatusRequestDetailType = ByPurchaseOrder</li> </ul>
	ByPurchaseOrder = specified PO
	Product = specified product identified
Step 2	Supplier (Component Vendor) receives InfoRequest and responds with OrderS a minimum, all required elements and corresponding attributes are recorded:
	OrderStatusType = ByPurchaseOrd
	OrderStatusNumber = unique num
	OrderStatusResponseDate = responseDate = respo
	RequestNumber = unique number
	• SenderParty = supplier
	<ul> <li>RequestingParty = publisher</li> </ul>
	<ul> <li>RespondToParty = publisher</li> </ul>
	For each PO:
	• PurchaseOrderInformation = spec
	OrderStatusCode = status of PO li
	Product = product identifier
	It is likely that many of the optional el

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the OrderStatus message will also be print the response message.

	in the response message.						
						Occur-	
El	ement		Type	Required	rence	Value/Notes	
Or	rderStatus			Root	Required	Single	
	Language			Attribute	Optional	Single	
	OrderStatusType	Attribute	Required	Single	ByPurchaseOrd		
	OrderStatusHeader			Group	Required	Single	
	OrderStatusNumber			Element	Required	Single	CG08134A
	OrderStatusResponseDate			Group	Required	Single	
	Date			Group	Required	Single	
		Year		Element	Required	Single	2002
		Month		Element	Required	Single	07
		Date		Element	Required	Single	22
	Time	-		Element	Optional	Single	1
	RequestNumber			Element	Optional	Single	QM0802C07654
	RequestingParty			Group	Optional	Single	<u> </u>
	Partylde	entifier		Element	Optional	Multiple	9876534
		PartyldentifierType		Attribute	Required	Single	SAN
	NameAd	ddress	1	Group	Required	Single	
_		Name1		Element	Required	Single	Harper Collins F
_	RespondToParty			Group	Optional	Multiple	Party Construct
_	Partylde	entifier		Element	Optional	Multiple	7778888
_		PartyldentifierType		Attribute	Required	Single	SAN
	NameAd	• • • • • • • • • • • • • • • • • • • •	-	Group	Required	Single	
		Name1		Element	Required	Single	Quebecor - Mar
_	SenderParty			Group	Optional	Single	Party Construct
	Partylde	entifier	-	Element	Optional	Multiple	6665555
		PartyldentifierType	-	Attribute	Required	Single	SAN
_	NameAd			Group	Required	Single	9
_		Name1		Element	Required	Single	Coral Graphics
_	ReceiverParty			Group	Optional	Multiple	Party Construct
_	Partylde	 entifier		Element	Optional	Multiple	9876534
_	<del>                                     </del>	PartyldentifierType		Attribute	Required	Single	SAN
_	NameAd	* **		Group	Required	Single	0, 114
_	Trainio, a	Name1		Element	Required	Single	Harper Collins
	AdditionalText	Namer		Element	Optional	Multiple	Tiaipei Coiiiio
	OrderStatusDetail			Element	Required	Multiple	<del> </del>
	PurchaseOrderInf	formation		Group	Required	Single	<del> </del>
	TurchaseOrdenini	Officiation		Group	Nequired	Sirigie	<u> </u>

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							_
		eOrderNumber		Element	Required	Single	C-01056065
	Purchase	eOrderReleaseNumber		Element	Optional	Single	
	Purchase	eOrderIssuedDate		Group	Optional	Single	
	Purchase	eOrderReference		Element	Optional	Multiple	
		PurchaseOrderReferenceType		Attribute	Required	Single	
	haseOrderLine			Element	Optional	Single	001
"Sup	plier Order Gr	oup"		Group	Optional	Multiple	
	SupplierOrderNumber			Element	Required	Single	
	SupplierOrderLineItemNumber			Element	Optional	Single	
	LocationParty			Group	Optional	Single	Party Construct
Prod	luct			Group	Optional	Single	
	Production	dentifier		Element	Required	Multiple	Jacket00603924
	Production	dentifierType		Attribute	Required	Single	PartNumber
		Agency		Attribute	Required	Single	Buyer
	ProductD	Description		Group	Optional	Multiple	
		Language		Attribute	Required	Single	
		Text		Element	Required	Single	
	Classifica	ation		Group	Optional	Multiple	
		ClassificationCode		Element	Required	Single	
			Agency	Attribute	Required	Single	
		ClassificationDescription		Element	Optional	Multiple	
	Book Ma	nufacturing		Group	Optional	Single	
Supp	SupplierParty			Group	Optional	Single	
Buye	erParty			Group	Optional	Single	
Ship	ToParty			Group	Optional	Single	
End	JserParty			Group	Optional	Single	
	/arderParty			Group	Optional	Single	
Merc	chantParty			Group	Optional	Single	
Sale	sOfficeParty			Group	Optional	Single	
Loca	ntionParty			Group	Optional	Single	
Othe	erParty			Group	Optional	Multiple	
Orde	erStatusInform	ation		Group	Optional	Single	
	OrderPri	maryStatus		Element	Required	Single	Accepted
		OrderStatusCode		Attribute	Required	Single	Packed
	OrderSed	condaryStatus		Element	Optional	Single	Accepted
		OrderStatusCode		Attribute	Optional	Single	Unshipped
Qua	ntity			Group	Optional	Single	
	Value			Element	Required	Single	16110
		UOM		Attribute	Required	Single	Unit
	RangeMi	n		Element	Optional	Single	
	RangeMa	ax		Element	Optional	Single	

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				T _			
	Informat	ionalQuantity		Group	Optional	Multiple	
<u> </u>		Value		Element	Required	Single	
		RangeMin		Element	Optional	Single	
		RangeMax		Element	Optional	Single	
	LastDate	eOfChange		Group	Optional	Single	
	Delivery	DateWindow		Group	Optional	Multiple	
		DeliveryDateType		Attribute	Required	Single	DeliveryRequestedD
	1	1 DateTimeRange			Optional	Single	
	1	1 Date			Required	Single	
		Year		Element	Required	Single	2002
	i i	Month		Element	Required	Single	07
		Date			Required	Single	23
		Time			Optional	Single	20
$\vdash$	OtherDa			Element Group	Optional	Multiple	
-	<del>                                     </del>	1 Date Time			Required	Single	
-	1 1				-		
$\vdash$					Optional	Single	
$\vdash$	1	Week		Element	Required	Single	
$\vdash$	ShipmentDetails			Element	Optional	Multiple	
	Addition	alText		Element	Optional	Multiple	
=	omant		Turno	Required	Occur- rence	Value/Notes	
	ement			Type	Required		value/Notes
				Poot	Doguirod	Single	
<u> </u>	rderStatus			Root Attribute	Required	Single	
	Language	vne		Attribute	Optional	Single	RyProduct
	Language OrderStatusTy			Attribute Attribute	Optional Required	Single Single	ByProduct
	Language OrderStatusTy OrderStatusH	eader		Attribute	Optional Required Required	Single Single Single	
	Language OrderStatusTy OrderStatusH	eader tusNumber		Attribute Attribute Element Element	Optional Required Required Required	Single Single Single Single	ByProduct 2VNH09212002
	CrderStatusTy OrderStatusH OrderSta OrderSta	eader		Attribute Attribute Element Element Group	Optional Required Required	Single Single Single	
	CrderStatusTy OrderStatusH OrderSta OrderSta	eader tusNumber tusResponseDate		Attribute Attribute Element Element	Optional Required Required Required Required	Single Single Single Single Single	
	CrderStatusTy OrderStatusH OrderSta OrderSta	eader tusNumber tusResponseDate Date		Attribute Attribute Element Element Group Group	Optional Required Required Required Required Required	Single Single Single Single Single Single	2VNH09212002
	CrderStatusTy OrderStatusH OrderSta OrderSta	eader tusNumber tusResponseDate Date Year		Attribute Attribute Element Element Group Group Element	Optional Required Required Required Required Required Required Required	Single Single Single Single Single Single Single	2VNH09212002 2002
	Language OrderStatusTy OrderStatusHo OrderSta	eader ttusNumber ttusResponseDate Date Year Month Date Time		Attribute Attribute Element Element Group Group Element Element	Optional Required Required Required Required Required Required Required Required Optional	Single	2VNH09212002 2002 09
	Language OrderStatusTy OrderStat OrderSta OrderSta	eader tusNumber tusResponseDate Date Year Month Date Time Number		Attribute Attribute Element Element Group Group Element Element Element Element	Optional Required Required Required Required Required Required Required Required Optional Optional	Single	2VNH09212002 2002 09
	Language OrderStatusTy OrderStat OrderSta OrderSta	eader ttusNumber ttusResponseDate Date  Year Month Date  Time Number ngParty		Attribute Attribute Element Element Group Group Element Element Element Element Element Element Group	Optional Required Required Required Required Required Required Required Optional Optional Optional	Single	2VNH09212002 2002 09
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond	eader  tusNumber  tusResponseDate  Date  Year  Month Date  Time Number ngParty ToParty		Attribute Attribute Element Group Group Element Element Element Element Element Element Group Group	Optional Required Required Required Required Required Required Required Optional Optional Optional	Single Multiple	2VNH09212002 2002 09
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond SenderPa	eader  ItusNumber  ItusResponseDate  Date  Year  Month Date  Time  Number  ngParty  ToParty  arty		Attribute Attribute Element Element Group Group Element Element Element Element Group Group	Optional Required Required Required Required Required Required Required Optional Optional Optional Optional Optional	Single	2VNH09212002 2002 09 21
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond SenderPa	eader ttusNumber ttusResponseDate  Date  Year  Month Date  Time Number ngParty ToParty arty PartyIdentifier		Attribute Attribute Element Element Group Group Element Element Element Element Group Group Group Group	Optional Required Required Required Required Required Required Required Optional Optional Optional Optional Optional Optional Optional	Single Multiple Single	2VNH09212002 2002 09 21 1234567
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond SenderP	eader  ItusNumber  ItusResponseDate  Date  Year  Month Date  Time Number ngParty ToParty arty  PartyIdentifier  PartyIdentifierType		Attribute Attribute Element Element Group Element Element Element Element Group Group Element Element Element Element Attribute	Optional Required Required Required Required Required Required Required Optional Optional Optional Optional Optional Optional Optional Optional Optional	Single	2VNH09212002 2002 09 21
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond SenderP	eader  ItusNumber  ItusResponseDate  Date  Year  Month Date  Time Number  ngParty  ToParty  arty  PartyIdentifier  PartyIdentifierType  NameAddress		Attribute Attribute Element Element Group Group Element Element Element Element Group Group Group Group Group Group Group Group Group Element Attribute Group	Optional Required Required Required Required Required Required Required Optional Optional Optional Optional Optional Optional Optional Required Required Required	Single	2VNH09212002  2002 09 21  1234567 SAN
	Language OrderStatusTy OrderStat OrderSta OrderSta  Requesti Respond SenderP	eader  ItusNumber  ItusResponseDate  Date  Year  Month Date  Time Number  ngParty  ToParty  arty  PartyIdentifier  PartyIdentifierType  NameAddress Name1		Attribute Attribute Element Element Group Element Element Element Element Group Group Element Element Element Element Attribute	Optional Required Required Required Required Required Required Required Optional Optional Optional Optional Optional Optional Optional Optional Optional	Single	2VNH09212002 2002 09 21 1234567

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		Addition	nalText		Element	Optional	Multiple	<u> </u>
1	Orde	erStatus			Element	Required	Multiple	<b>†</b>
H	]		seOrderIn	formation	Group	Required	Single	<del> </del>
H				eOrderNumber	Element	Required	Single	30-B88766A
H				eOrderReleaseNumber	Element	Optional	Single	1
H				eOrderIssuedDate	Group	Optional	Single	
П				eOrderReference	Element	Optional	Multiple	007111511X
П				PurchaseOrderReferenceType	Attribute	Required	Single	ISBN10
П			Purchase	eOrderReference	Element	Optional	Multiple	Chang
П				PurchaseOrderReferenceType	Attribute	Required	Single	Author
		Purcha	seOrderLi	neltemNumber	Element	Required	Single	001
$\Box$		"Supplie	er Order G	Broup"	Group	Optional	Multiple	
$\Box$		SupplierOrderNumber			Element	Required	Single	
			Supplier	OrderLineItemNumber	Element	Optional	Single	
╛		LocationParty Product  1 ProductIdentifier			Group	Optional	Single	
					Group	Optional	Single	
					Element	Required	Multiple	
		ProductIdentifierType		Element	Required	Single		
				Agency	Attribute	Required	Single	
				Description	Group Group	Optional	Multiple	
		Classification				Optional	Multiple	
	SupplierParty				Group	Optional	Single	
			Partylde		Element	Optional	Multiple	1234567
				PartyldentifierType	Attribute	Optional	Single	SAN
			NameAd	dress	Group	Required	Single	
				Name1	Element	Required	Single	VonHoffmannPress
		BuyerP			Group	Optional	Single	
		ShipTo			Group	Optional	Single	
			Partylde		Element	Optional	Multiple	1119999
				PartyldentifierType	Attribute	Optional	Single	SAN
			NameAd		Group	Required	Single	
[				Name1	Element	Required	Single	McGraw-Hill
				Name2	Element	Optional	Single	Gahanna Warehous
		OrderS	tatusInforr		Element	Optional	Single	
			OrderPri	maryStatus	Element	Required	Single	Accepted
[				OrderStatusCode	Attribute	Required	Single	ActiveFree
ļ		DeliveryDateWindow		Group	Optional	Multiple		
ļ			DeliveryDateType		Attribute	Required	Single	DeliveryRequestedD
ļ		1	Date		Group	Required	Single	
ļ				Year	Element	Required	Single	2002
ļ				Month	Element	Required	Single	10
ļ				Date	Element	Required	Single	04
			Time		Element	Optional	Single	

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				T	T -		
	Shipme				•		
					<u> </u>		
		Partylder		Element	Optional		1119999
		-	• • • • • • • • • • • • • • • • • • • •	Attribute	<u> </u>		SAN
		NameAd		Group	Required	Single	
			Name1	Element	· -		McGraw-Hill
			Name2	Element	Optional	Single	Gahanna Warehous
Ord				Element	Required	Multiple	
	Purchas			Group	Required	Single	
				Element	Required	Single	30-B91337
				Element	Optional	Single	
				Group	Optional	Single	
		Purchase		Element	Optional	Multiple	0072380128
			PurchaseOrderReferenceType	Attribute	Required	Single	ISBN10
		Purchase		Element	Optional	Multiple	Mason
	PurchaseOrderReferenceType		Attribute	Required	Single	Author	
				Element	Required	Single	001
	"Supplier Order Group"		Group	Optional	Multiple		
				Element	Required	Single	
		Supplier	OrderLineItemNumber	Element	Optional	Single	
		Location	Party	Group	Optional	Single	
	Product	t		Group	Optional	Single	
	1	Production	dentifier	Element	Required	Multiple	
		Production	dentifierType	Element	Required	Single	
			Agency	Attribute	Required	Single	
	Supplie	rParty		Group	Optional	Single	
		Partylder	ntifier	Element	Optional	Multiple	1234567
			PartyldentifierType	Attribute	Optional	Single	SAN
		NameAd	dress	Group	Required	Single	
			Name1	Element	Required	Single	VonHoffmannPress
		OrderPrir	maryStatus	Element	Required	Single	Cancelled
			OrderStatusCode	Attribute	Required	Single	Cancelled
	Delivery	/DateWind	wok	Group	Optional	Multiple	
		Delivery	DateType	Attribute	Required	Single	DeliveryRequestedD
	1	Date		Group	Required	Single	
			Year	Element	Required	Single	2002
			Month	Element	Required	Single	11
			Date	Element	Required	Single	29
		Time		Element	Optional	Single	
Ord	erStatusl		_	Element	Required	Multiple	
			formation	Group	Required	Single	
				Element	Required		30-B89969
				Element	Optional	Single	
		OrderStatusl Purchas Purchas "Supplie Product 1 Supplie Delivery	Partylder NameAdd NameAdd PurchaseOrderInf Purchase Purchase Purchase Purchase Purchase Purchase Purchase Purchase Supplier Order G OrderPrir DeliveryDateWind DeliveryDateWind DeliveryDateWind DeliveryDateWind DeliveryDateWind Time OrderStatusDetail PurchaseOrderInf	ShipToParty PartyIdentifier PartyIdentifier NameAddress Name1 Name2 OrderStatusDetail PurchaseOrderInformation PurchaseOrderReleaseNumber PurchaseOrderReleaseNumber PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderIneltemNumber "Supplier Order Group" SupplierOrderLineltemNumber SupplierOrderLineltemNumber Variable Product 1 ProductIdentifier ProductIdentifier ProductIdentifier ProductIdentifier PartyIdentifier PartyIdentifier PartyIdentifier PartyIdentifier DefermaryStatus OrderPimaryStatus DeliveryDateWindow DeliveryDateWindow DeliveryDateType 1 Date Time	ShipToParty PartyIdentifier PartyIdentifier Slement Attribute NameAddress Group NameAddress Selement Name2 Element Name2 Element PurchaseOrderInformation PurchaseOrderNumber Element PurchaseOrderReleaseNumber PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference PurchaseOrderReference Supplier Order Group SupplierOrderLineltemNumber Element Element Element Element Droduct Group Product Group Product Group Product SupplierParty Group PartyIdentifier PartyIdentifier Element PartyIdentifier Element DroderStatusCode Attribute OrderPrimaryStatus Element DeliveryDateWindow Group DeliveryDateWindow Group DeliveryDateWindow Group DeliveryDateWindow Group DeliveryDateWindow Group DeliveryDateWindow Group Tyear Element Date Element Element Element Date Element	ShipToParty Group Required PartyIdentifier Element Optional PartyIdentifier Element Optional NameAddress Group Required Name1 Element Required Name1 Element Optional Name2 Element Optional PurchaseOrderInormation Element Required PurchaseOrderReleaseNumber Element Optional PurchaseOrderReleaseNumber Element Optional PurchaseOrderReleaseNumber Element Optional PurchaseOrderReference Element Optional Supplier Order Element Element Required Supplier Order Element Element Required SupplierOrderNumber Element Required SupplierOrderLineltemNumber Element Required SupplierOrderLineltemNumber Element Required SupplierOrderLineltemNumber Element Required Product Group Optional Product Product Productdentifier Element Required ProductIdentifier Element Required ProductIdentifier Element Required PartyIdentifier Element Required Name1 Element Required PartyIdentifier Element Required Name1 Element Required DeliveryDateVindow Group Optional PartyIdentifier Element Required DeliveryDateVindow Group Optional DeliveryDateVindow Group Optional Party Element Required DeliveryDateVindow Group Optional DeliveryDateVindow Group Optional DeliveryDateVindow Group Required DeliveryDateVindow Group Optional DeliveryDateVindow Group Optional DeliveryDateVindow Group Required DeliveryDateVindow Group Optional DeliveryDateVindow Group Optional Date Element Required	ShipToParty

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 	ı			
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	
Partyldentifier	Element	Optional	Multiple	1234567
PartyldentifierType PartyldentifierType	Attribute	Optional	Single	SAN
NameAddress	Group	Required	Single	
Name1	Element	Required	Single	VonHoffmannPress
BuyerParty	Group	Optional	Single	
ShipToParty	Group	Optional	Single	
Partyldentifier	Element	Optional	Multiple	1119999
PartyldentifierType PartyldentifierType	Attribute	Optional	Single	SAN
NameAddress	Group	Required	Single	
Name1	Element	Required	Single	McGraw-Hill
Name2	Element	Optional	Single	Gahanna Warehous
OrderStatusInformation	Element	Optional	Single	
OrderPrimaryStatus	Element	Required	Single	Accepted
OrderStatusCode	Attribute	Required	Single	Packed
OrderSecondaryStatus	Туре	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	DeliveryRequestedD
1 DateTimeRange	Group	Optional	Single	

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	DateTimeF	rom	Group	Required	Single	
		Date	Element	Required	Single	
		Time	Element	Optional	Single	
	DateTimeT	0	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	
OtherD	OtherDate			Optional	Multiple	
Shipme	ShipmentDetails			Optional	Multiple	
	ShipToParty		Group	Required	Single	
	Quantity		Group	Optional	Single	

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