



The Global Language of Business

# Order Response Business Message Standard (BMS)

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## Business Requirements Document (BRAD) Reference

BRAD Title	BRAD Issue Date	BRAD Version
BRAD Order Response Document and Reason Code	14 Mar 2007	BRAD Version 0.0.2
BRD for UK Food Service Ordering	24 Nov 2004	BRAD Version 0.8
BRAD for Upstream Standards Demand & Supply Signals	01 Nov 2004	BRAD Version 0.1.0
BRAD for Upstream Standards Demand & Supply Signals	07 Apr 2005	BMS Release Version 2.0.2 and BMS Document Version 0.1.13
BRAD eCom Maintenance Release 2 BMS 2.6.0	29-Jun-2009	Version 0.1.1
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01-Mar-2023	BMS 3.6 – Issue 1	Miklos Bolyky	BMS Release 3.6	See summary of changes

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# Table of Contents

<b>1</b>	<b>Business Domain View</b> .....	<b>6</b>
1.1	Introduction .....	6
1.2	References .....	6
<b>2</b>	<b>Business Context</b> .....	<b>6</b>
<b>3</b>	<b>Business Transaction View</b> .....	<b>7</b>
3.1	Business Transaction – Processing Order Response .....	7
<b>4</b>	<b>Business Information View</b> .....	<b>10</b>
4.1	Order Response .....	10
4.2	Order Response Line Item .....	14
4.3	Order Response Line Item Detail .....	17
4.4	Enumerations (message specific) .....	19
4.5	Code Lists .....	19
<b>5</b>	<b>Business Message Examples</b> .....	<b>20</b>
5.1	Example 1 .....	20
5.2	Example 2 .....	20
5.3	Example 3 .....	21
<b>6</b>	<b>Implementation Considerations</b> .....	<b>23</b>
6.1	User Guide .....	23
6.2	Use of Order Response Line Item Detail .....	23
6.3	Guidance on amounts in Order Response Line Item .....	24
<b>7</b>	<b>Summary of Changes</b> .....	<b>25</b>
7.1	BMS Release 3.0 .....	25
7.2	BMS Release 3.1 .....	26
7.3	BMS Release 3.2 .....	27
7.4	BMS Release 3.3 .....	28
7.5	BMS Release 3.4 .....	28
7.6	BMS Release 3.5 .....	29
7.7	BMS Release 3.5.1 .....	30
7.8	BMS Release 3.6 .....	30
<b>8</b>	<b>Appendices</b> .....	<b>30</b>
<b>9</b>	<b>Acknowledgements</b> .....	<b>30</b>
9.1	Work Group .....	30
9.2	Development Team Members .....	34

# 1 Business Domain View

## 1.1 Introduction

### Message Definition

The Order Response provides the ability for a supplier to respond to an order previously sent by the buyer.

### Principles

The Order Response allows the seller to inform the buyer about:

- The acceptance of the entire order as transmitted or
- The acceptance of the order with modifications on items (substitutes), quantities, prices and or dates or
- The rejection of the entire order.

The same Order Response is used to respond both to the Order and Configure to Order messages.

## 1.2 References

Reference Number	Reference Name	Description
Ref 1	BMS Common Library	BMS Release Version 2.4
Ref 2	BRD OFSCI Order	BRD Version 1.0
Ref 3	BRD Order Receipt Acknowledgement	BRD Version 0.3
Ref 4	BMS Application Receipt Acknowledgement	BMS Version 2.0.2
Ref 5	BMS Common Library	BMS Release Version 2.6.0
Ref 6	BMS eCom Domain Common Library	BMS Release Version 3.6
Ref 7	BMS Shared Common Library	BMS Release Version 3.6

# 2 Business Context

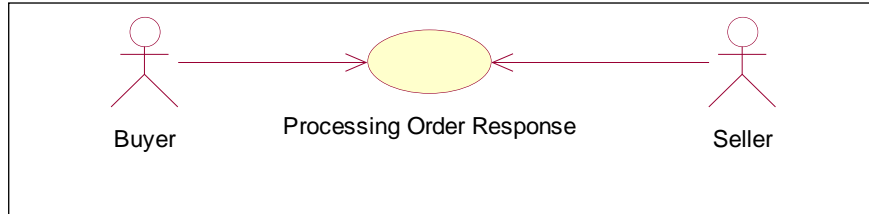
Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Order
System Capabilities	All
Official Constraints	None

### 3 Business Transaction View

#### 3.1 Business Transaction – Processing Order Response

##### Use Case Diagram

Figure 3-1 Processing Order Response Use Case Diagram



##### Use Case Description

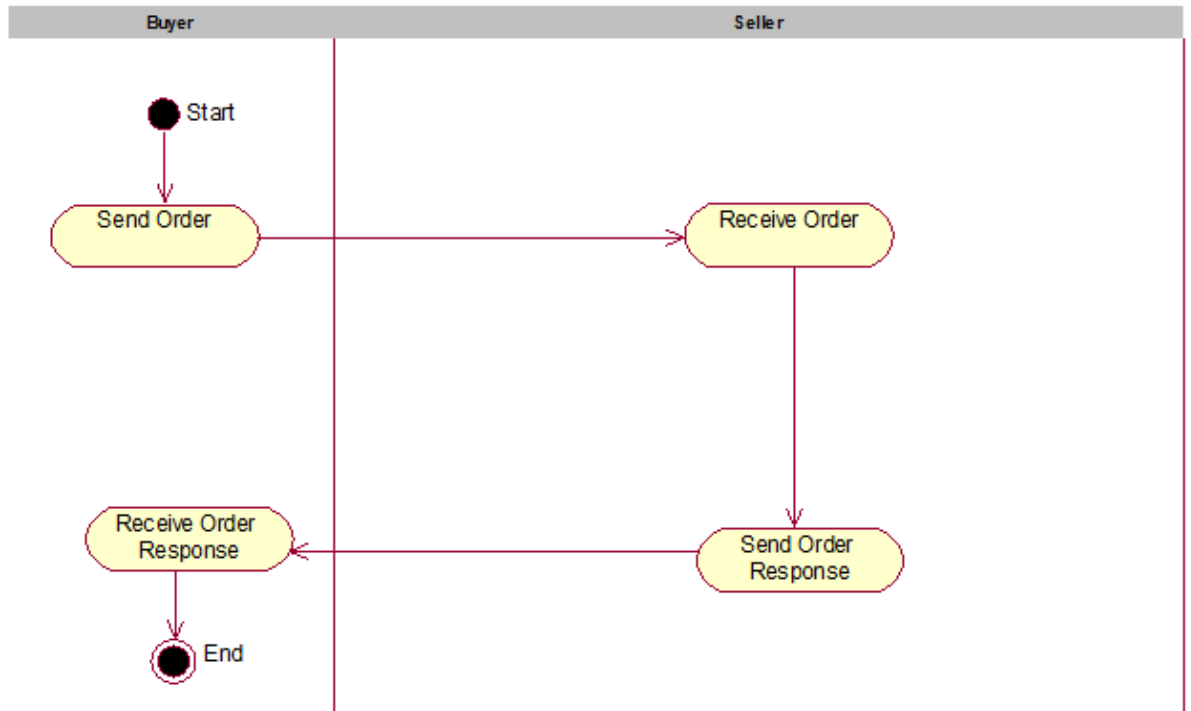
<b>Use Case ID</b>	UC-1
<b>Use Case Name</b>	<b>Processing Order Response</b>
<b>Use Case Description</b>	<p>The seller needs to inform the buyer about the:</p> <ul style="list-style-type: none"> <li>■ Acceptance of the entire order as transmitted.</li> <li>■ The acceptance of the order with modifications on items (substitutes), quantities, prices and/or dates with modification reason.</li> <li>■ Rejection of the entire order with rejection reason.</li> </ul>
<b>Actors (Goal)</b>	<p>Buyer (Process Order Response)          Seller (Process Order Response)</p>
<b>Performance Goals</b>	None
<b>Preconditions</b>	<p>The following information should be pre aligned:</p> <ul style="list-style-type: none"> <li>■ Master Data Alignment</li> <li>■ A trading partner agreement is in place that identifies pre-agreed product substitution.</li> <li>■ A trading partner agreement may exist regarding Response Receipt Lead Time: The agreed on time that is allowed to elapse between when a Buyer sent an Order to the Seller and the Seller is to send an Order Response. To the Buyer</li> <li>■ The Seller has received the Order from the Buyer</li> </ul>
<b>Post conditions</b>	<ul style="list-style-type: none"> <li>■ Acceptance of the entire order as transmitted_:             <ul style="list-style-type: none"> <li>○ Buyer – Knows that the order has been accepted and has received an Order Response</li> <li>○ Seller – Has agreed to fulfil the order in full</li> </ul> </li> <li>■ Acceptance of the order with modifications :             <ul style="list-style-type: none"> <li>○ Buyer – Knows that the order has been accepted and has received an Order Response.</li> <li>○ Seller – Has agreed to fulfil the order with modifications on items (substitutes), quantities, prices and/or dates with modification reason</li> </ul> </li> <li>■ Rejection of the entire order.             <ul style="list-style-type: none"> <li>○ Buyer – Knows that the order has been rejected and has received an Order Response</li> <li>○ Seller – Has rejected the order in full with rejection reason</li> </ul> </li> </ul>
<b>Scenario</b>	<p><b>Begins when</b> the seller receives an order from the buyer</p> <p><b>Continues with...</b></p>

	Step #	Actor	Activity Step
	1	Seller	Decides to accept the order with no modifications
	2	Seller	If not, the Seller decides: <ul style="list-style-type: none"> <li>to accept the order with modifications on items (substitutes), quantities, prices and/or dates with modification reason</li> <li>whether to reject the entire order with rejection reason</li> </ul>
	3	Seller	Sends an Order Response
<b>Ends when</b> the buyer has received the order response from the seller.			
<b>Alternative Scenario</b>	None		
<b>Related Requirements</b>	None		
<b>Related Rules</b>	1	If the order is accepted as transmitted, there is no item level information needed in the order response. The response status submitted within the order response must be ACCEPTED.	
	2	<p>If the order is accepted with modifications on the item level, only the changed items need to be included in the order response.</p> <p>For each changed item, all product attributes, not only the changed ones, have to be transmitted in the order response.</p> <p>A reference to the line number in the original order must be used. If a substitute article with a new GTIN is used, the GTIN of the new article is indicated in the substituteItemInformation.</p> <p>The response status within the order response must be MODIFIED, and the seller may provide the modification reason.</p>	
	3	If the order is accepted with modifications in the orderLogisticalDateGroup, the whole group including all attributes, not only the changed ones, must be transmitted in the order response. The response status within the order response must be MODIFIED, and the seller may provide the modification reason.	
	4	In the case of substitutions, the order line will be returned with the product identification associated with the substituted item, quantity and the original line number. This will detail the new product and quantity based on the agreed substitution rules (as per trading partner agreement)	
	5	<p>If the order is rejected, there is no item level information needed in the order response.</p> <p>The response status submitted within the order response must be REJECTED, and the seller may provide the rejection reason.</p>	



### Business Transaction Activity Diagram

Figure 3-3 Order Response Activity Diagram

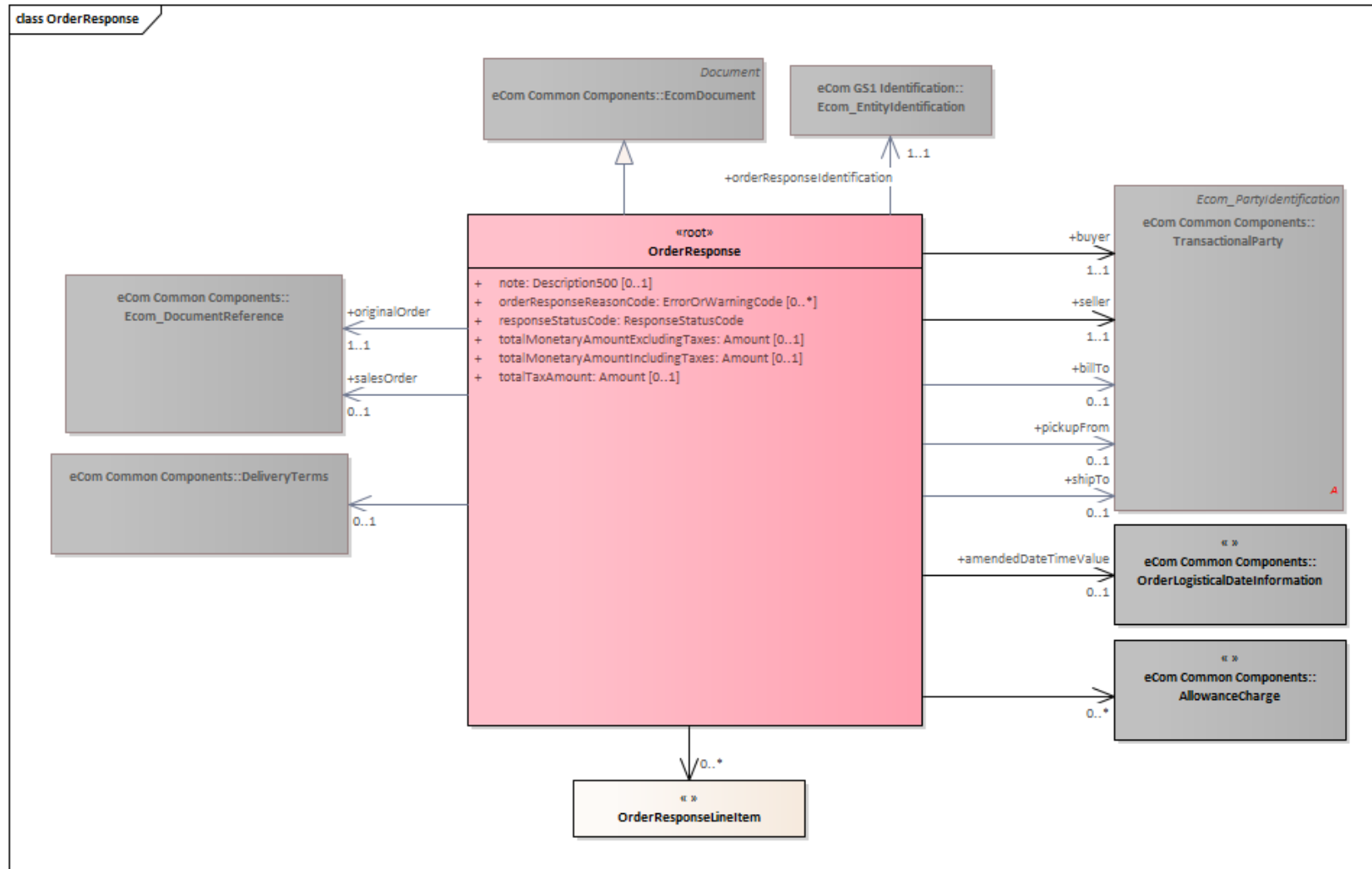




## **4 Business Information View**

### **4.1 Order Response**

**Class diagram**



### GDD report

The content of the OrderResponse class, its structure and component definitions can be accessed in the Global Data Dictionary:  
[http://apps.gs1.org/GDD/bms/Version3\\_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponse](http://apps.gs1.org/GDD/bms/Version3_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponse)



Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
OrderResponse				Provides the ability for a supplier to respond to an order previously sent by the buyer.	
Association	orderResponseIdentification	Ecom_EntityIdentification	1..1	The unique identification of the Order Response.	WR 15-000314
Association		AllowanceCharge	0..*	Provide the ability to share details regarding the allowance and charges.	
Association		OrderResponseLineItem	0..*	Contains the modifications per line item on items (substitutes), quantities, prices of the original order.	
Association	salesOrder	Ecom_DocumentReference	0..1	Reference number assigned by the supplier to a buyer's purchase order.	WR 15-000314
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	WR 14-000110
Association	buyer	TransactionalParty	1..1	Identifies the party to which products or services are sold.	
Association	shipTo	TransactionalParty	0..1	Identifies the destination location to which goods will be shipped.	
Association	pickupFrom	TransactionalParty	0..1	Identifies location where goods will be pick up from.	WR 20-269
Association		DeliveryTerms	0..1	The applicable legal, customs, financial and insurance terms that have been agreed for a goods delivery.	
Association	seller	TransactionalParty	1..1	Identifies the party which sells products or services to a buyer.	
Association	originalOrder	Ecom_DocumentReference	1..1	Reference to the order on which the response is based.	WR 15-000314
Association	amendedDateTimeValue	OrderLogisticalDateInformation	0..1	Contains the modifications on dates or date ranges of the original order.	
Association	billTo	TransactionalParty	0..1	Identifies the party which receives the invoice.	
Attribute	responseStatusCode	ResponseStatusCode	1..1	Code specifying the type of response. Example: Accepted.	

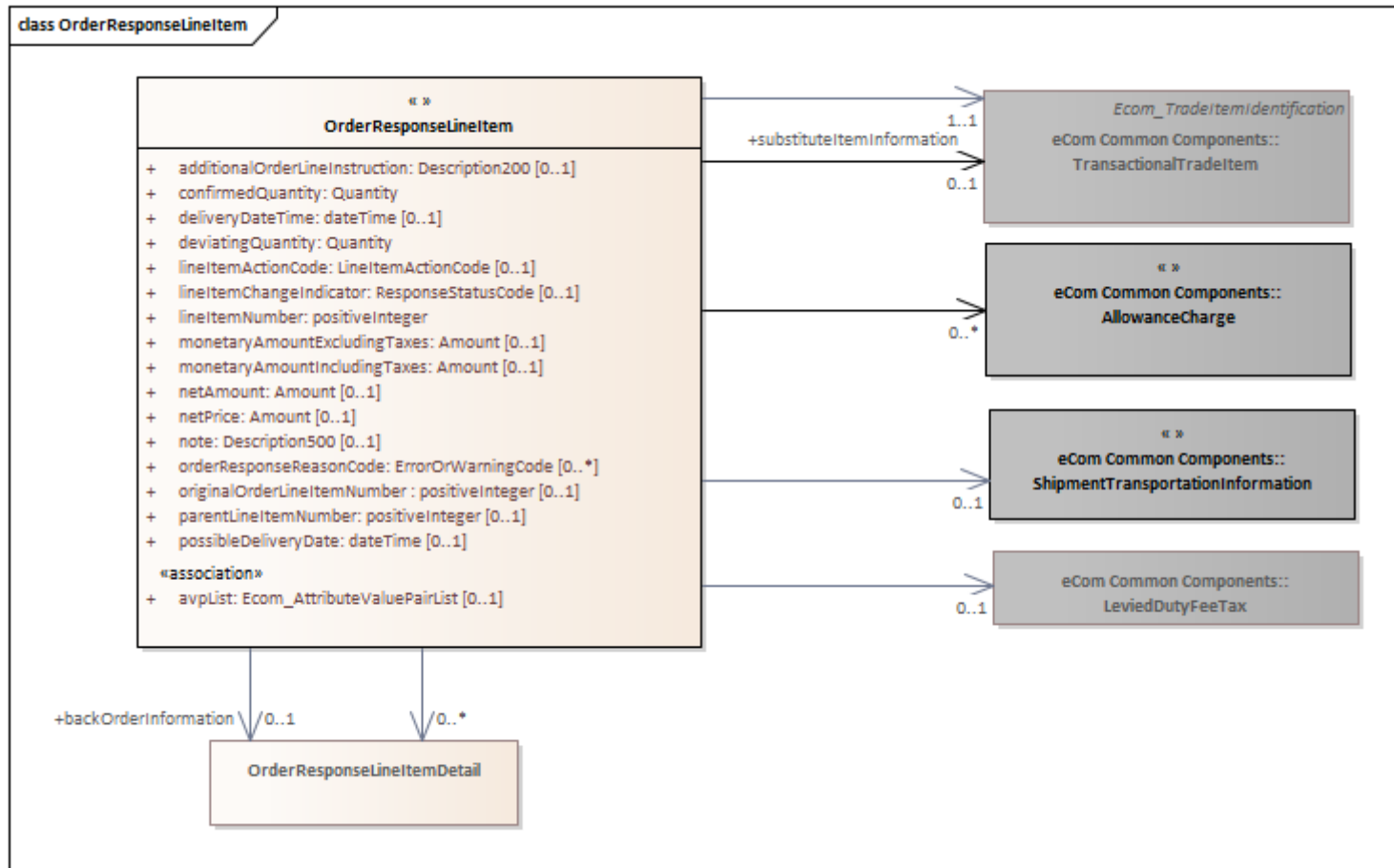
Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
Attribute	orderResponseReasonCode	ErrorOrWarningCode	0..*	Order Response Reason Code is defined as the code identifying the reason for the order response rejection or modification.	
Attribute	totalMonetaryAmountExcludingTaxes	Amount	0..1	The total monetary amount of the purchase order excluding all taxes.	renamed from totalMonetaryAmountOfOrderExcludingTaxes
Attribute	totalMonetaryAmountIncludingTaxes	Amount	0..1	The total monetary amount of the Purchase Order including all Taxes. This field is needed to allow effective purchase order and invoice total value reconciliation.	
Attribute	totalTaxAmount	Amount	0..1	The total tax amount of the purchase order.	
Attribute	note	Description500	0..1	Free text used to convey information that is not processed by applications. Only meant to present the information to a user as on a screen, in a browser, etc.	BRAD RQ 09.236.F



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

## 4.2 Order Response Line Item

### Class Diagram



### GDD Report

The content of the OrderResponseLineItem class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponseLineItem](http://apps.gs1.org/GDD/bms/Version3_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponseLineItem)



Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
OrderResponseLineItem				Contains the modifications per line item on items (substitutes), quantities, prices and/or of the original order.	
Association	substituteItemInformation	TransactionalTradeItem	0..1	The substitute trade item associated to the Order Response Line Item. This item replaces the item that was originally requested.	
Association		OrderResponseLineItemDetail	0..*	Allows the identification of various shipping details by Order Response Line Item, for example in case of split deliveries.	
Association		TransactionalTradeItem	1..1	The trade item associated to the Order Response Line Item.	
Association		AllowanceCharge	0..*	Provide the ability to share details regarding the allowance and charges.	
Association		LeviedDutyFeeTax	0..1	The tax applicable to the Order Line Item.	
Association	backOrderInformation	OrderResponseLineItemDetail	0..1	Contains the information for units that are unable to be shipped at this time. These units will be shipped at a later time.	
Association		ShipmentTransportationInformation	0..1	Contains the identification of the carrier and mode associated with the transportation of the goods or services.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Order Response Line Item.	
Attribute	confirmedQuantity	Quantity	1..1	The quantity which has been confirmed by the seller.	MR3 renamed from requestedQuantity
Attribute	lineItemActionCode	LineItemActionCode	0..1	Provides the activity required by the recipient on the line item of this order line item.	
Attribute	lineItemChangeIndicator	ResponseStatusCode	0..1	Provides the response in the order response line item level.	




Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
Attribute	originalOrderLineItemNumber	positiveInteger	0..1	A reference to the original order line item number.	
Attribute	orderResponseReasonCode	ErrorOrWarningCode	0..*	Order Response Reason Code is defined as the code identifying the reason for the order response rejection or modification.	
Attribute	additionalOrderLineInstruction	Description200	0..1	Additional Order Line Instruction captures information that has not been previously synchronised and is ad-hoc in nature. This field should only be used in exception circumstances if the information cannot be codified. Examples of Purchase Order Line: Use chrome hinges (not standard brass hinges) Please use timber; Please prime (paint) door and jamb and pre-hang door	
Attribute	deliveryDateTime	dateTime	0..1	Provides the delivery date time the goods will be delivered to the desired destination.	
Attribute	deviatingQuantity	Quantity	1..1	The quantity that deviates from the requested quantity.	WR 20-270
Attribute	possibleDeliveryDate	dateTime	0..1	The first possible delivery date of a trade item.	WR 20-271
Attribute	netAmount	Amount	0..1	Identifies the total net amount of the line item.	
Attribute	netPrice	Amount	0..1	Identifies the net price of the item.	
Attribute	monetaryAmountExcluding Taxes	Amount	0..1	The total monetary amount of the order response line excluding all taxes.	
Attribute	monetaryAmountIncluding Taxes	Amount	0..1	The total monetary amount of the Order Response Line including taxes.	
Attribute	parentLineItemNumber	positiveInteger	0..1	The number of line item containing information about the parent of the current item. It allows establishing hierarchical link between the two items.	WR 14-000021 WR 14-000044



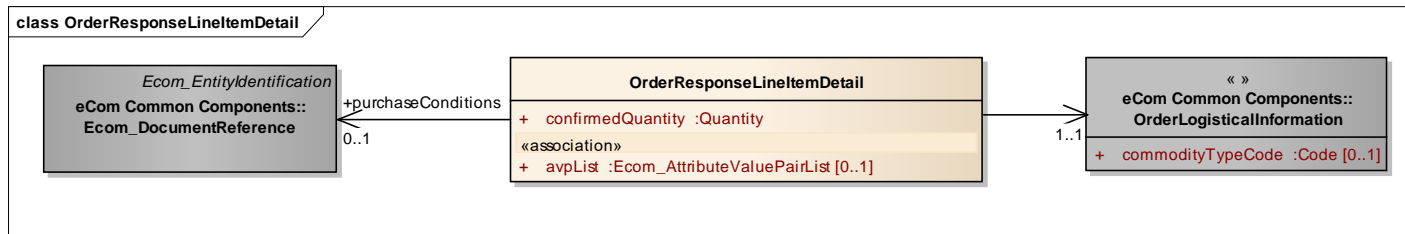


Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
Attribute	note	Description500	0..1	Free text used to convey information that is not processed by applications. Only meant to present the information to a user as on a screen, in a browser, etc.	BRAD RQ 09.236.F
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	WR 14-000110

 **Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

### 4.3 Order Response Line Item Detail

#### Class Diagram



#### GDD Report

The content of the OrderResponseLineItemDetail class, its structure and component definitions can be accessed in the Global Data Dictionary: [http://apps.gs1.org/GDD/bms/Version3\\_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponseLineItemDetail](http://apps.gs1.org/GDD/bms/Version3_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:OrderResponseLineItemDetail)

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
OrderResponseLineItemDetail				Allows the identification of various shipping details by Order Response Line Item.	

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
Association		OrderLogisticalInformation	1..1	Provides identification of the locations of the parties dealing with the goods associated with the order, as well as the dates or date ranges associated with the order and the transportation of the shipment associated with the order.	
Association	purchaseConditions	Ecom_DocumentReference	0..1	A reference to the purchase conditions. The reference is associated with specific items in the order.	WR 15-000314
Attribute	confirmedQuantity	Quantity	1..1	The quantity which has been confirmed by the seller.	MR3 renamed from requestedQuantity
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	WR 14-000110



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

#### 4.4 Enumerations (message specific)

Not applicable

#### 4.5 Code Lists

Class	Codelist	Referenced in
OrderResponse & OrderResponseLine Item	ErrorOrWarningCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:ErrorOrWarningCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:ErrorOrWarningCode</a>
OrderResponse & OrderResponseLine Item	ResponseStatusCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:ResponseStatusCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:ResponseStatusCode</a>
OrderResponseLine Item	LineItemActionCode	<a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:LineItemActionCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:qdd:cl:LineItemActionCode</a>



**Note:** Refer to the Global Data Dictionary (GDD) for the code values.

## 5 Business Message Examples

### 5.1 Example 1

This is an example of the Order Response message that informs that the Order will be fulfilled as requested.

#### Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

A Seller (GLN 4098765000010) has received an Order (PO3352) from the Buyer (GLN 5412345000013) and is sending response: Acceptance of the entire order as transmitted.

The Order Response identification number is: OR002760 and it is created on March 12<sup>th</sup> 2011 at 10:00 AM.

#### Message Example 1

Attribute	Value
<b>OrderResponse</b>	
responseStatusCode	ACCEPTED
<b>Document</b>	
creationDateTime	2011-02-12 10:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR002760
contentOwner	4098765000010
<b>DocumentReference (+originalOrder)</b>	
entityIdentification	PO3352
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010

### 5.2 Example 2

This is an example of the Order Response message that informs that the Order cannot be fulfilled.

#### Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

A Seller (GLN 4098765000010) has received an Order (PO3352) from the Buyer (GLN 5412345000013) and is sending response: Rejection of the entire order. The reason for rejection is product was discontinued.

The Order Response identification is: OR003895 and it is created on March 12<sup>th</sup> 2011 at 10:00 AM.

### Message Example 2

Attribute	Value
<b>OrderResponse</b>	
responseStatusCode	REJECTED
orderResponseReasonCode	DISCONTINUED_LINE
<b>Document</b>	
creationDateTime	2011-03-12 10:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR003895
contentOwner	4098765000010
<b>DocumentReference (+originalOrder)</b>	
entityIdentification	PO3352
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010

### 5.3 Example 3

This is an example of the Order Response message that informs that the Order can be fulfilled with some modifications.

#### Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

A Seller (GLN 4098765000010) has received an Order from the Buyer (GLN 5412345000013) and is sending response.

The identification number of the Order is PO3352, it was received on 11<sup>th</sup> of April 2011, the delivery was requested on the 11<sup>th</sup> of April 2011.

#### The buyer ordered the following:

GS1 Global Trade Item Number (GTIN)	Quantity
40987650001336	48
40987650000896	24

The Seller has accepted the order. The item identified with GTIN 40987650000223 can be delivered as requested. However, the trade item identified with GTIN 40987650000346 is not available and it will be substituted by the trade item identified with GTIN 40987650003484. The reason for modification is product is out of stock.

The Order Response identification number is: OR 1211 and it was created on March 12<sup>th</sup> 2011 at 10:00 AM.

### Message Example 3

Attribute	Value
<b>OrderResponse</b>	



Attribute	Value
responseStatusCode	MODIFIED
<b>Document</b>	
creationDateTime	2011-03-12 10:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR1211
contentOwner	4098765000010
<b>DocumentReference (+originalOrder)</b>	
entityIdentification	PO3352
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010
<b>OrderResponseLineItem *1</b>	
lineItemNumber	1
confirmedQuantity	48
lineItemChangeIndicator	ACCEPTED
originalOrderLineItemNumber	1
<b>TransactionalTradeItem</b>	
gtin	40987650000223
<b>OrderResponseLineItem *2</b>	
lineItemNumber	2
confirmedQuantity	24
lineItemChangeIndicator	MODIFIED
originalOrderLineItemNumber	2
orderResponseReasonCode	PRODUCT_OUT_OF_STOCK
<b>TransactionalTradeItem</b>	
gtin	40987650000346
<b>TransactionalTradeItem (+substituteItemInformation)</b>	
gtin	40987650003484

## 6 Implementation Considerations

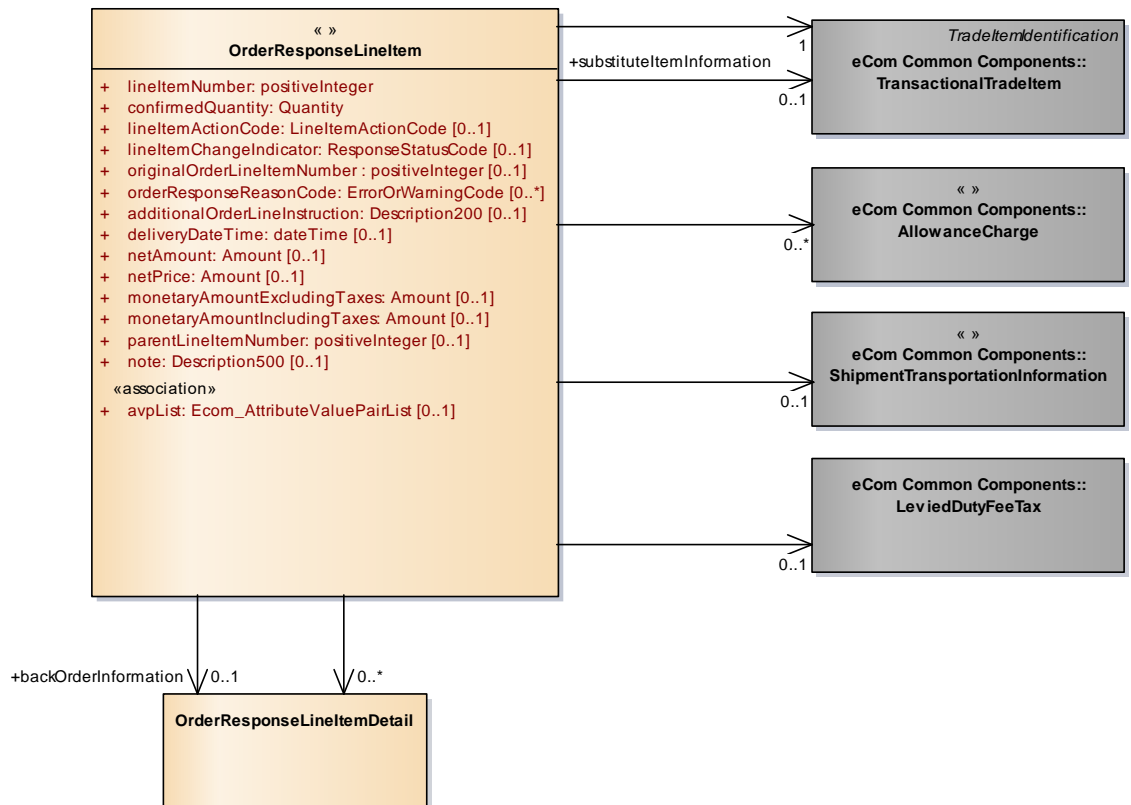
### 6.1 User Guide

The Functional User Guide contains more information about the structure and content of the message: [http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade\\_messages.html#OrderResponse](http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade_messages.html#OrderResponse)

### 6.2 Use of Order Response Line Item Detail

There are two distinctly different uses of the OrderResponseLineItemDetail class.

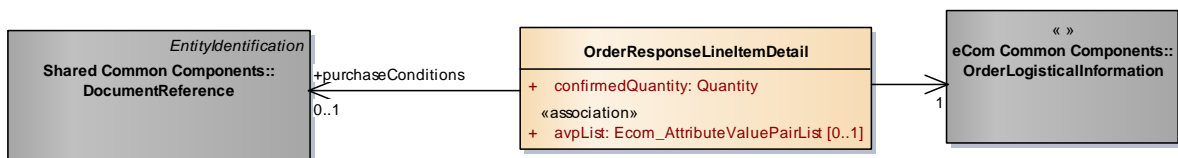
Figure 6-1 Class Diagram of OrderResponseLineItem



#### Usage 1 – Specification of the units are being shipped

Within the OrderResponseLineItemDetail class, the attribute 'confirmedQuantity' represents the quantity being shipped.

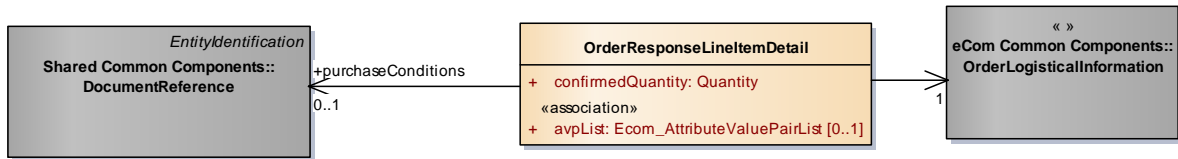
Figure 6-2 OrderResponseLineItemDetail



**Note:** For Reference Purposes only to provide visibility for this example.

## Usage 2 – Specification of the units that are placed on backorder

Figure 6-3 OrderResponseLineItemDetail (+backOrderInformation)



The class gets roleName +backOrderInformation. Now, within the OrderResponseLineItemDetail class, the attribute 'confirmedQuantity' represents the quantity that is on backorder, to be shipped at another time. The backorder shipment dates, if known, can be sent in OrderLogisticalInformation which is associated with OrderResponseLineItemDetail.

### 6.3 Guidance on amounts in Order Response Line Item

The amounts in the order response line item may be applied in combination with each other as follows:

- $\text{netAmount} = \text{requestedQuantity} * \text{netPrice}$ ,
- $\text{amountExcludingTaxes} = \text{netAmount} + (\text{allowances} \ \& \ \text{charges})$
- $\text{amountIncludingTaxes} = \text{netAmount} + (\text{allowances} \ / \ \text{charges}) + (\text{taxes})$



## 7 Summary of Changes

Any change in the GS1 standards is done based on the Work Request (WR) submitted by the GS1 User Companies or Member Organisations. All Work Requests are documented in the Work Request system available on the GS1 website: <http://wr.gs1.org>. The system is accessible to registered users. New visitors need to register first, to be able to access it. WRs can be searched by the number referenced in tables below, see: Search Work Requests. The number starts with the two last digits of the year when it was submitted, followed by the consecutive number within that year.



**Note:** WRs submitted earlier than February 2012 should be searched in Old Change Requests.

### 7.1 BMS Release 3.0

Change	Associated CR Number
<p><b>For BMS Release 3.0.0:</b></p> <ul style="list-style-type: none"> <li>Update based on requirements in the Current Requirements Queue.</li> <li>The message has also been remodelled to be consistent with Major Release 3.0.0.</li> <li>Updated class diagrams and GDD reports, as well as the example and test data sections.</li> </ul> <p><b>After Peer Review:</b></p> <ul style="list-style-type: none"> <li>Included the code lists and enumerations and reference where they can be found (eCom or Shared Common).</li> <li>The version of the document set to 1.0.0.</li> <li>Document change history wiped clean except for the latest version.</li> <li>In context, Geopolitical set to All instead of Global.</li> <li>Page 12 is not blank anymore</li> <li>Random order issue in GDD Report solved</li> <li>Removed 2 associations from Order Response Line Item to Shipment Detail that do not appear in the model.</li> <li>Associations from OrderResponse to EntityIdentification and Document Reference were missing Multiplicity in both the class diagram and the GDD report. Set both to 1..1</li> <li>Missing definitions in GDD Report solved for: OrderResponseLineItemDetail: Documentreference +purchaseConditions / OrderLogisticalInformation</li> </ul> <p><b>After TSD Development:</b> removed in test data reference to non existing elements referenceDocumentType, replaced by entityIdentification</p>	<p>09-236, 09-238, 09-240</p>
<p><b>For BMS Publication:</b> Updated date in footer Removed year in footer copyright statement Renamed uniqueCreatorIdentification into entityIdentification in examples Changed lowerCamelCase into lowercase for all GS1 keys in examples Replaced architectural principles section with the correct one.</p>	

## 7.2 BMS Release 3.1

Change	Associated CR
<div style="border: 1px solid black; padding: 5px;"> <p><b>class OrderResponse - maintenance view</b></p> <div style="border: 1px solid black; padding: 5px; background-color: #f8d7da;"> <p style="text-align: center;"><b>OrderResponse</b></p> <ul style="list-style-type: none"> <li>+ responseStatusCode: ResponseStatusCode</li> <li>+ orderResponseReasonCode: ErrorOrWarningCode [0..*]</li> <li>+ totalMonetaryAmountExcludingTaxes: Amount [0..1]</li> <li>+ totalMonetaryAmountIncludingTaxes: Amount [0..1]</li> <li>+ totalTaxAmount: Amount [0..1]</li> <li>+ note: Description500 [0..1]</li> </ul> <p style="text-align: center;"><b>maintenance</b></p> <p>Change: (New) 3.1 added association +billTo (WR 09-248)                      Change: (New) 3.1 added association +salesOrder (WR 12-251)                      Change: (New) 3.1 added association +shipTo (WR 09-248)                      Change: (New) 3.1 added association to DeliveryTerms                      Change: (New) 3.1 added totalMonetaryAmountIncludingTaxes (WR 12-212)</p> </div> </div>	<p><b>09-000248</b></p> <p><b>09-000249</b></p> <p><b>12-000154</b></p> <p><b>12-000212</b></p> <p><b>12-000213</b></p> <p><b>12-000251</b></p>
<div style="border: 1px solid black; padding: 5px;"> <p><b>class OrderResponseLineItem - maintenance view</b></p> <div style="border: 1px solid black; padding: 5px; background-color: #fff3cd;"> <p style="text-align: center;">« »</p> <p style="text-align: center;"><b>OrderResponseLineItem</b></p> <ul style="list-style-type: none"> <li>+ lineNumber: positiveInteger</li> <li>+ confirmedQuantity: Quantity</li> <li>+ lineNumberActionCode: LineItemActionCode [0..1]</li> <li>+ lineNumberChangeIndicator: ResponseStatusCode [0..1]</li> <li>+ originalOrderLineNumber: positiveInteger [0..1]</li> <li>+ orderResponseReasonCode: ErrorOrWarningCode [0..*]</li> <li>+ additionalOrderLineInstruction: Description200 [0..1]</li> <li>+ deliveryDateTime: dateTime [0..1]</li> <li>+ netAmount: Amount [0..1]</li> <li>+ monetaryAmountExcludingTaxes: Amount [0..1]</li> <li>+ monetaryAmountIncludingTaxes: Amount [0..1]</li> <li>+ netPrice: Amount [0..1]</li> <li>+ note: Description500 [0..1]</li> </ul> <p style="text-align: center;"><b>maintenance</b></p> <p>Change: (Verified) 3.1 added monetaryAmountExcludingTaxes (WR 12-213)                      Change: (Verified) 3.1 added monetaryAmountIncludingTaxes (WR 12-213)</p> </div> </div> <p> <span style="color: #a52a2a;">■</span> Added 6.2 Guidance on amounts in Order Response Line Item, and corrected the guidance in paragraph 6.1 on Order Response Line Item Detail                 </p>	

### 7.3 BMS Release 3.2

Change	Associated WR
<p>Added Attribute Value Pair at the root, line item and sub line item levels</p> <pre> class OrderResponse - maintenance view     «root»     OrderResponse     + responseStatusCode :ResponseStatusCode     + orderResponseReasonCode :ErrorOrWarningCode [0..*]     + totalMonetaryAmountExcludingTaxes :Amount [0..1]     + totalMonetaryAmountIncludingTaxes :Amount [0..1]     + totalTaxAmount :Amount [0..1]     + note :Description500 [0..1]      maintenance     Change: (Complete) 3.1 added association +billTo (WR 09-248)     Change: (Complete) 3.1 added association +salesOrder (WR 12-251)     Change: (Complete) 3.1 added association +shipTo (WR 09-248)     Change: (Complete) 3.1 added association to DeliveryTerms     Change: (Complete) 3.1 added totalMonetaryAmountIncludingTaxes (WR 12-212)     Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)                     </pre>	<p><b>14-000110</b></p>
<ul style="list-style-type: none"> <li>Added a reference to parent line number to all LineItem classes, to support hierarchical items (WRs 14-021 &amp; 14-044)</li> <li>Added Attribute Value Pair at the root, line item and sub line item levels (WR 14-110)</li> </ul> <pre> class OrderResponseLineItem - maintenance view     « »     OrderResponseLineItem     + lineItemNumber: positiveInteger     + confirmedQuantity: Quantity     + lineItemActionCode: LineItemActionCode [0..1]     + lineItemChangeIndicator: ResponseStatusCode [0..1]     + originalOrderLineItemNumber : positiveInteger [0..1]     + orderResponseReasonCode: ErrorOrWarningCode [0..*]     + additionalOrderLineInstruction: Description200 [0..1]     + deliveryDateTime: dateTime [0..1]     + netAmount: Amount [0..1]     + netPrice: Amount [0..1]     + monetaryAmountExcludingTaxes: Amount [0..1]     + monetaryAmountIncludingTaxes: Amount [0..1]     + parentLineItemNumber: positiveInteger [0..1]     + note: Description500 [0..1]      «association»     + avpList: Ecom_AttributeValuePairList [0..1]      maintenance     Change: (Complete) 3.1 added monetaryAmountExcludingTaxes (WR 12-213)     Change: (Complete) 3.1 added monetaryAmountIncludingTaxes (WR 12-213)     Change: (Verified) 3.2 added +avpList (WR 14-110)     Change: (Verified) 3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)                     </pre>	<p><b>14-00021</b>  <b>14-00044</b>  <b>14-000110</b></p>

Change	Associated WR
<p>Added Attribute Value Pair at the root, line item and sub line item levels</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>class OrderResponseLineItemDetail - maintenance ...</b></p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p style="text-align: center;"><b>OrderResponseLineItemDetail</b></p> <p>+ confirmedQuantity: Quantity</p> <p>«association»</p> <p>+ avpList: Ecom_AttributeValuePairList [0..1]</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 added +avpList (WR 14-110)</p> </div> </div>	<p><b>14-000110</b></p>

## 7.4 BMS Release 3.3

Change	Associated WR
<ul style="list-style-type: none"> <li>■ Created Ecom_EntityIdentification class and changed association from the previous EntityIdentification</li> <li>■ Created Ecom_DocumentReference class and changed association from the previous DocumentReference</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>class OrderResponse - maintenance view</b></p> </div>	<p><b>15-000314</b></p> <p>Make GS1 identification keys optional in GS1 EDI XML</p>
<p>Created Ecom_DocumentReference class and changed association from the previous DocumentReference</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>class OrderResponseLineItemDetail - maintenance view</b></p> </div>	<p><b>15-000314</b></p> <p>Make GS1 identification keys optional in GS1 EDI XML</p>

## 7.5 BMS Release 3.4

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.6 BMS Release 3.5

Change	Associated WR																				
<p><b>New association between root class OrderResponse and TransactionalParty</b></p> <p>class OrderResponse - maintenance view</p> <table border="1"> <thead> <tr> <th>Change</th> <th>Complete</th> </tr> </thead> <tbody> <tr> <td>3.1 added association +billTo (WR 09-248)</td> <td>Complete</td> </tr> <tr> <td>3.1 added association +salesOrder (WR 12-251)</td> <td>Complete</td> </tr> <tr> <td>3.1 added association +shipTo (WR 09-248)</td> <td>Complete</td> </tr> <tr> <td>3.1 added association to DeliveryTerms</td> <td>Complete</td> </tr> <tr> <td>3.1 added totalMonetaryAmountIncludingTaxes (WR 12-212)</td> <td>Complete</td> </tr> <tr> <td>3.2 changed generalisation from document to ecomdocument class to include AVP (WR 14-110)</td> <td>Complete</td> </tr> <tr> <td>3.3 changed association from EntityIdentification to Ecom_EntityIdentification (WR 15-314)</td> <td>Complete</td> </tr> <tr> <td>3.3 changed associations from DocumentReference to Ecom_DocumentReference (WR 15-314)</td> <td>Complete</td> </tr> <tr> <td>3.5 added association from OrderResponse to TransactionalParty called pickupFrom (WR 20-269)</td> <td>New</td> </tr> </tbody> </table>	Change	Complete	3.1 added association +billTo (WR 09-248)	Complete	3.1 added association +salesOrder (WR 12-251)	Complete	3.1 added association +shipTo (WR 09-248)	Complete	3.1 added association to DeliveryTerms	Complete	3.1 added totalMonetaryAmountIncludingTaxes (WR 12-212)	Complete	3.2 changed generalisation from document to ecomdocument class to include AVP (WR 14-110)	Complete	3.3 changed association from EntityIdentification to Ecom_EntityIdentification (WR 15-314)	Complete	3.3 changed associations from DocumentReference to Ecom_DocumentReference (WR 15-314)	Complete	3.5 added association from OrderResponse to TransactionalParty called pickupFrom (WR 20-269)	New	<p><b>WR 20-269</b></p>
Change	Complete																				
3.1 added association +billTo (WR 09-248)	Complete																				
3.1 added association +salesOrder (WR 12-251)	Complete																				
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3.5 added association from OrderResponse to TransactionalParty called pickupFrom (WR 20-269)	New																				
<p><b>New attribute deviatingQuantity to root class added of orderResponseLineItem</b></p> <p>class OrderResponseLineItem - maintenance view</p> <table border="1"> <thead> <tr> <th>Change</th> <th>Complete</th> </tr> </thead> <tbody> <tr> <td>3.1 added monetaryAmountExcludingTaxes (WR 12-213)</td> <td>Complete</td> </tr> <tr> <td>3.1 added monetaryAmountIncludingTaxes (WR 12-213)</td> <td>Complete</td> </tr> <tr> <td>3.2 added +avpList (WR 14-110)</td> <td>Complete</td> </tr> <tr> <td>3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)</td> <td>Complete</td> </tr> <tr> <td>3.5 added deviatingQuantity (WR 20-270)</td> <td>New</td> </tr> <tr> <td>3.5 added possibleDeliveryDate (WR 20-271)</td> <td>New</td> </tr> </tbody> </table>	Change	Complete	3.1 added monetaryAmountExcludingTaxes (WR 12-213)	Complete	3.1 added monetaryAmountIncludingTaxes (WR 12-213)	Complete	3.2 added +avpList (WR 14-110)	Complete	3.2 added +parentLineItemNumber (WR 14-021 & 14-044)	Complete	3.5 added deviatingQuantity (WR 20-270)	New	3.5 added possibleDeliveryDate (WR 20-271)	New	<p><b>WR 20-270</b></p>						
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3.5 added deviatingQuantity (WR 20-270)	New																				
3.5 added possibleDeliveryDate (WR 20-271)	New																				

Change	Associated WR												
<p>New attribute possibleDeliveryDate added to root class of orderResponseLineItem</p> <div style="border: 1px solid black; padding: 5px;"> <p><i>class OrderResponseLineItem - maintenance view</i></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">« »</p> <p style="text-align: center;"><b>OrderResponseLineItem</b></p> <ul style="list-style-type: none"> <li>+ additionalOrderLineInstruction: Description200 [0..1]</li> <li>+ confirmedQuantity: Quantity</li> <li>+ deliveryDateTime: dateTime [0..1]</li> <li>+ deviatingQuantity: Quantity [0..1]</li> <li>+ lineItemActionCode: LineItemActionCode [0..1]</li> <li>+ lineItemChangeIndicator: ResponseStatusCode [0..1]</li> <li>+ lineItemNumber: positiveInteger</li> <li>+ monetaryAmountExcludingTaxes: Amount [0..1]</li> <li>+ monetaryAmountIncludingTaxes: Amount [0..1]</li> <li>+ netAmount: Amount [0..1]</li> <li>+ netPrice: Amount [0..1]</li> <li>+ note: Description500 [0..1]</li> <li>+ orderResponseReasonCode: ErrorOrWarningCode [0..*]</li> <li>+ originalOrderLineItemNumber: positiveInteger [0..1]</li> <li>+ parentLineItemNumber: positiveInteger [0..1]</li> <li>+ possibleDeliveryDate: dateTime [0..1]</li> </ul> <p>«association»</p> <ul style="list-style-type: none"> <li>+ avpList: Ecom_AttributeValuePairList [0..1]</li> </ul> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;"><i>maintenance</i></p> <p>Change</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">3.1 added monetaryAmountExcludingTaxes (WR 12-213)</td> <td style="width: 20%; text-align: right;">Complete</td> </tr> <tr> <td>3.1 added monetaryAmountIncludingTaxes (WR 12-213)</td> <td style="text-align: right;">Complete</td> </tr> <tr> <td>3.2 added +avpList (WR 14-110)</td> <td style="text-align: right;">Complete</td> </tr> <tr> <td>3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)</td> <td style="text-align: right;">Complete</td> </tr> <tr> <td>3.5 added deviatingQuantity (WR 20-270)</td> <td style="text-align: right;">New</td> </tr> <tr> <td>3.5 added possibleDeliveryDate (WR 20-271)</td> <td style="text-align: right;">New</td> </tr> </table> </div> </div>	3.1 added monetaryAmountExcludingTaxes (WR 12-213)	Complete	3.1 added monetaryAmountIncludingTaxes (WR 12-213)	Complete	3.2 added +avpList (WR 14-110)	Complete	3.2 added +parentLineItemNumber (WR 14-021 & 14-044)	Complete	3.5 added deviatingQuantity (WR 20-270)	New	3.5 added possibleDeliveryDate (WR 20-271)	New	<p><b>WR 20-271</b></p>
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3.5 added deviatingQuantity (WR 20-270)	New												
3.5 added possibleDeliveryDate (WR 20-271)	New												

## 7.7 BMS Release 3.5.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.8 BMS Release 3.6

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 8 Appendices

Not Applicable

## 9 Acknowledgements

### 9.1 Work Group

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Adrien	Molines	GS1 France	GS1 MO
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Patrick	Ponsaerts	GS1 Belgium & Luxembourg	GS1 MO
Christian	Przybilla	GS1 Germany	GS1 MO
Xavier	Pujol xargay	GS1 Spain	GS1 MO
Edna melissa	Reina calderon	Logyca	Solution Provider
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Marc	Schneider	GS1 Switzerland	GS1 MO
Marco	Schwarzenbach	GS1 Switzerland	GS1 MO
Eugen	Sehorz	GS1 Austria	GS1 MO
Ahmed	Sharif	GS1 US	GS1 MO
Vishal	Sharma	General Mills, Inc.	Manufacturer
Ayako	Shimazaki	GS1 Japan	GS1 MO
Cesar	Silvestre	GS1 Mexico	GS1 MO
Palma	Simbari	Bayer AG - Division Pharma	Manufacturer
Emilie	Sion	GS1 France	GS1 MO
Andy	Siow	GS1 Singapore	GS1 MO
Andy	Siow	GS1 Singapore	GS1 MO
Ralph	Siruet	GS1 Germany	GS1 MO
Olga	Soboleva	GS1 Russia	GS1 MO
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## 9.2 Development Team Members

Function	Name	Organisation
GSMP Process Lead	David Buckley	GS1 Global Office
Technical Development Lead	Miklos Bolyky	GS1 Global Office
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