



# Business Message Standard (BMS) Order Response

BMS Release: 2.6.0, BRG Name: eCom

*Issue 0.5.3, 30-Oct-2009*



## Document Summary

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06-May-2009	Stef Spaan, GS1 Netherlands	09-000134
20- Aug- 2008	John Ryu, GS1	08-000209
14- Mar -2008	Troy Denyer, GS1 Australia	08-000053
14- Jan -2008	Troy Denyer, GS1 Australia	08-000009
14- Jan -2008	Troy Denyer, GS1 Australia	08-000008
03 – Oct- 2007	Eric Maree, Accenture	07-000338
31 – Jul – 2007	John Ryu, GS1 Global Office	07-000300
25- Jan -2007	Rob Heather, GS1 UK	07-000026
25- Jan -2007	Rob Heather, GS1 UK	07-000027
25- Jan -2007	Rob Heather, GS1 UK	07-000031
31 – Jan -2005	IRT Upstream Standard	05-000023
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## Business Requirements Document (BRAD) Reference

BRAD Title:	BRAD 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

## Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
20 – Jan-2005	0.1.0	John Ryu	Initial Draft	Initial Draft	5621
03 – Feb -2005	0.1.1	Maria Victoria Caro	Adjustments on the text according to comments received on teleconference 20040126		
15- Feb-2005	0.1.2	John Ryu	Submit for Public Review Needed definitions and GDD platform needs to be updated.	View Summary of Changes section 1.10	Model P4CL: 5778 BSD P4CL: 5779
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30 - Mar-2005	0.1.4	Maria Victoria Caro	Adjustments on the text according to resolutions on the comments received during the public review. Remain comments.	View Summary of Changes section 1.10	BSD P4CL: 6346
06 – Apr-2005	0.1.5	John Ryu	Incorporation of Public Review Comments	Activity Diagram 1.3.4 Removed reference to ARA.  Class Diagram 1.5.3 Fixed typos in notes resposneStatus - s/b responseStatus ammended value - s/b amended value Modificaiton - s/b Modification  Changed association from the detail level to the header level Before: OrderModificationLineItemLevel ASSOCIATES OrderLogisticalDateGroup After : OrderModification ASSOCIATES OrderLogisticalDateGroup In common library added creationDateTime: DateTime in the ResponseDocument class.  Pasted GDD Platform into section 1.5.2 Added new business examples in section 1.6 Added new test data in section 1.8.2	MDL P4CL: 6352  BSD P4CL: 6359

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
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08- Dec-2005	0.1.7	John Ryu	Updated for BMS 2.1 Release	Noted in section 1.10	BSD P4: 7970
03- Apr-2007	0.2.0	John Ryu	Incorporation of CR 07-26/27/31 Incorporate Peer Review eCom BRG motioned for TSD development	Changes noted in section 10	MDL P4CL: 9114  BSD P4CL: 9154
12- Apr-2007	0.2.1	John Ryu	Post for public review	Updated document to BMS template version 1.8	BSD P4CL: 9227
31- Jul-2007	0.3.0	John Ryu	Updated for BMS 2.4.0 Release	Updated reference to BMS Release 2.4.0 and no changes made to UML or GDD.	BSD P4CL:9687
24-Aug-2007	0.3.1	John Ryu	BMS for Public Review	Completed TSD Development	BSD P4CL: 9800
25-Sep-2007	0.3.2	John Ryu	eCom BRG eBallot Approved	Updated BMS to approved	BSD P4CL: 10002
29-Aug-2008	0.4.0	John Ryu	BMS Release 2.5.0	Changes noted in section 10	Not applicable
01-Dec -2008	0.4.1	Lisa Herrick	BMS Release 2.5.0 Final Public Review	Noted in summary of changes	Not applicable
06-Feb-2009	Issue 0.4.1	Lisa Herrick	BMS Release 2.5.0 eBallot Approved	Noted in summary of changes	Not applicable
11-Jun-2009	0.5.0	Lisa Herrick	BMS Release 2.6.0	Changes noted in Summary of Changes	11125
17-Jul-2009	0.5.1	Lisa Herrick	BMS Release 2.6.0	Peer Review Comment Updates	11180
29-Jul-2009	0.5.2	Lisa Herrick	BMS Release 2.6.0	Updates based on BRG Review	MDL: 11213 BSD: 11220
29-Jul-2009	0.5.3	Lisa Herrick	BMS Release 2.6.0	Noted in Summary of Changes	11223
30-Oct-2009	0.5.3 Issue	Lisa Herrick	BMS Release 2.6.0 eBallot Approved	Updated to Issue	Not Applicable

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# 1. Business Domain View

## 1.1. Problem Statement / Business Need

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

The Order Response allows the seller to inform:

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

## 1.2. Objective

To supply the detail design of the (specific) business transaction needed to meet the requirements of the referenced BRAD(s).

## 1.3. Audience

The audience for this document is the global business community and the senders/receivers of purchase orders, changes to purchase orders, and responses.

## 1.4. 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

## 1.5. Acknowledgements

### 1.5.1. eCom BRG

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Kazuya	Sato	GS1 Japan
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### 1.5.2. Design Team Members

Function	Name	Organisation
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Function	Name	Organisation
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XML Technical Designer	Dipan Anarkat	GS1
EANCOM Technical Designer	Not Applicable	Not Applicable
Peer Reviewer	John Ryu	GS1

## 2. Business Context

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

## 3. Additional Technical Requirements Analysis

Not Applicable

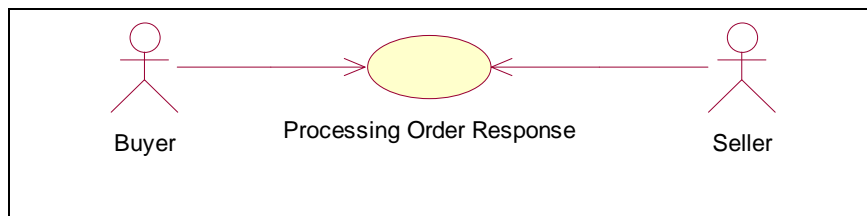
### 3.1. Technical Requirements

Not Applicable

## 4. Business Transaction View

### 4.1. Business Transaction Use Case Diagram

Figure 4-1 Processing Order Response Use Case Diagram



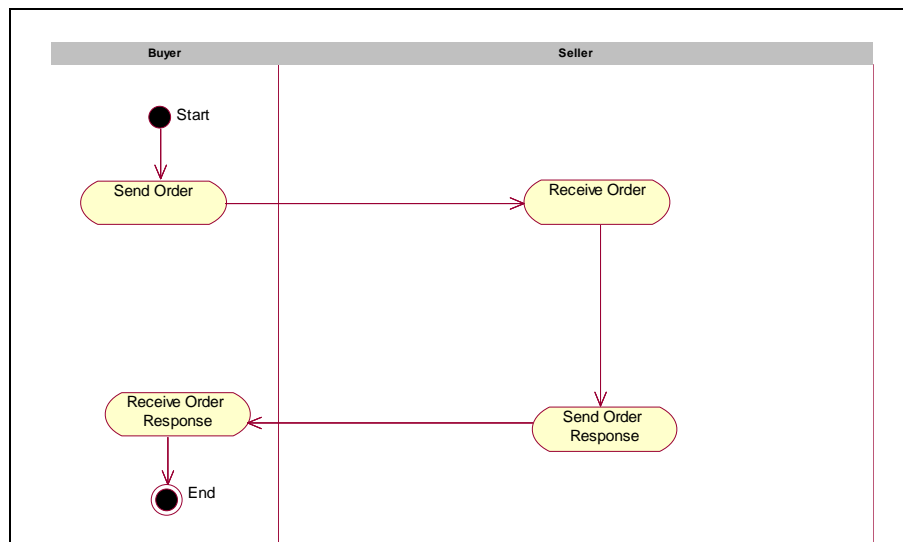
## 4.2. Use Case Description

<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>	Buyer (Process Order Response) Seller (Process Order Response)												
<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> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Step #</th> <th style="width: 15%;">Actor</th> <th style="width: 75%;">Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Decides to accept the order with no modifications</td> </tr> <tr> <td>2</td> <td>Seller</td> <td>                             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> </td> </tr> <tr> <td>3</td> <td>Seller</td> <td>Sends an Order Response</td> </tr> </tbody> </table> <p><b>Ends when</b> the buyer has received the order response from the seller.</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
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>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	If the order is accepted with modifications on the item level, only the changed items need to be included in the order response. For each changed item, all product attributes, not only the changed ones, have to be transmitted in the order response. 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 original article is indicated in the substituteTradeltemClass. The response status within the order response must be MODIFIED, and the seller may provide the modification reason.
	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	If the order is rejected, there is no item level information needed in the order response. The response status submitted within the order response must be REJECTED, and the seller may provide the rejection reason.

### 4.3. Business Transaction Activity Diagram

Figure 4-3 Order Response Activity Diagram



### 4.4. Business Transaction Sequence Diagram

Not Applicable

## 5. Information Model (Including GDD Report)

### 5.1. GDD Order Response

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
OrderModification				Order Modification. Details	Contains the modifications on items (substitutes), quantities, prices and/or dates of the original order.				
			AllowanceCharge	Order Modification. Association. Allowance Charge	Provide the ability to share details regarding the allowance and charges.	0..*		CR8-9	
		amendedDateTimeValue	OrderLogisticalDateGroup	Order Modification. Association. Order Logistical_ Date Group	Contains the modifications on dates or date ranges of the original order.	0..1		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
			OrderModificationLineItemLevel	Order Modification. Association. Order Modification Line Item Level	Contains the modifications per line item on items (substitutes), quantities, prices of the original order.	0..*		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
OrderModificationLineItemLevel				Order Modification Line Item Level. Details	Contains the modifications per line item on items (substitutes), quantities, prices and/or of the original order				
	deliveryDateTime			Order Modification Line Item Level.Delivery Date Time.Date Time	Provides the delivery date time the goods will be delivered to the desired	0..1		CR7-338	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
					destination.				
	lineItemChangeIndicator			Order Modification Line Item Level. Line Item Change Indicator. Response Status List_ Code	Provides the response in the order response line item level.	0..1		CR7-338	
	orderResponseReasonCode			Order Modification Line Item Level. Error Respons Reason Code. Error Or Warning_ Code	Order Response Reason Code is defined as the code identifying the reason for the order response rejection or modification.	0..*		BR# 2 BRAD Order Response Document and Reason Code Version 0.0.2	Facets constrained by code list values
	originalOrderLineItemNumber			Order Modification Line Item Level. Original Order Line Item Number. NonNegativeInteger_ Numeric	A reference to the original Order line item number.	0..1	Numeric. Content	08-084; 09-134	totalDigits='6'
			AllowanceCharge	Order Modification Line Item Level. Association. Allowance Charge	Provide the ability to share details regarding the allowance and charges.	0..*		CR8-9	
			ShipmentDetail	Order Modification Line Item Level. Association. Multi Shipment_ Purchase Order Sub Line	Contains any additional shipment detail information.	0..*		CR8-53	
		backorderInformation	ShipmentDetail	Order Modification Line Item Level. Backorder Information. Multi Shipment_ Purchase Order Sub Line	Contains the information for units that are unable to be shipped at this time. These units will be shipped at another time.	0..1		CR 08-107, CR 09-134	
		modifiedOrderInformation	SimpleOrderLineItem	Order Modification Line Item Level. Association. Simple_ Purchase Order Line	Contains the modifications per line item on quantities or prices of the original order.	1..1		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
		substituteItemIdentification	TradeItemIdentification	Order Modification Line Item Level. Association.	Identifies the substitute with the	0..1		BRD for UK Food Service Ordering	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		n		Trade Item Identification	Global Trade Item Number.			BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
OrderResponse				Order Response. Details	Provides the ability for a supplier to respond to an order previously sent by the buyer.				
	orderResponseReasonCode			Order Response. Order Response Reason Code. Error or Warning_ Code	Order Response Reason Code is defined as the code identifying the reason for the order response rejection or modification.	0..*		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	Facets constrained by code list values
	totalMonetaryAmountOfOrderExcludingTaxes			Order Response.Total Monetary Amount Of Order Excluding Taxes.Amount	The total monetary amount of the Purchase Order excluding all Taxes	0..1		CR8-008	
	totalTax			Order Response.Total Tax.Amount	The total tax amount of the Order	0..1		CR8-008	
			OrderModification	Order Response. Association. Order Modification	Contains the modifications on items (substitutes), quantities, prices and/or dates of the original order.	0..1		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
		buyer	PartyIdentification	Order Response. Buyer. Party Identification	Identifies the Party to which merchandise is sold.	1..1		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
		seller	PartyIdentification	Order Response. Seller. Party Identification	Identifies the Party, which sells products or services to a	1..1		BRD for UK Food Service Ordering BRD Version 0.8	



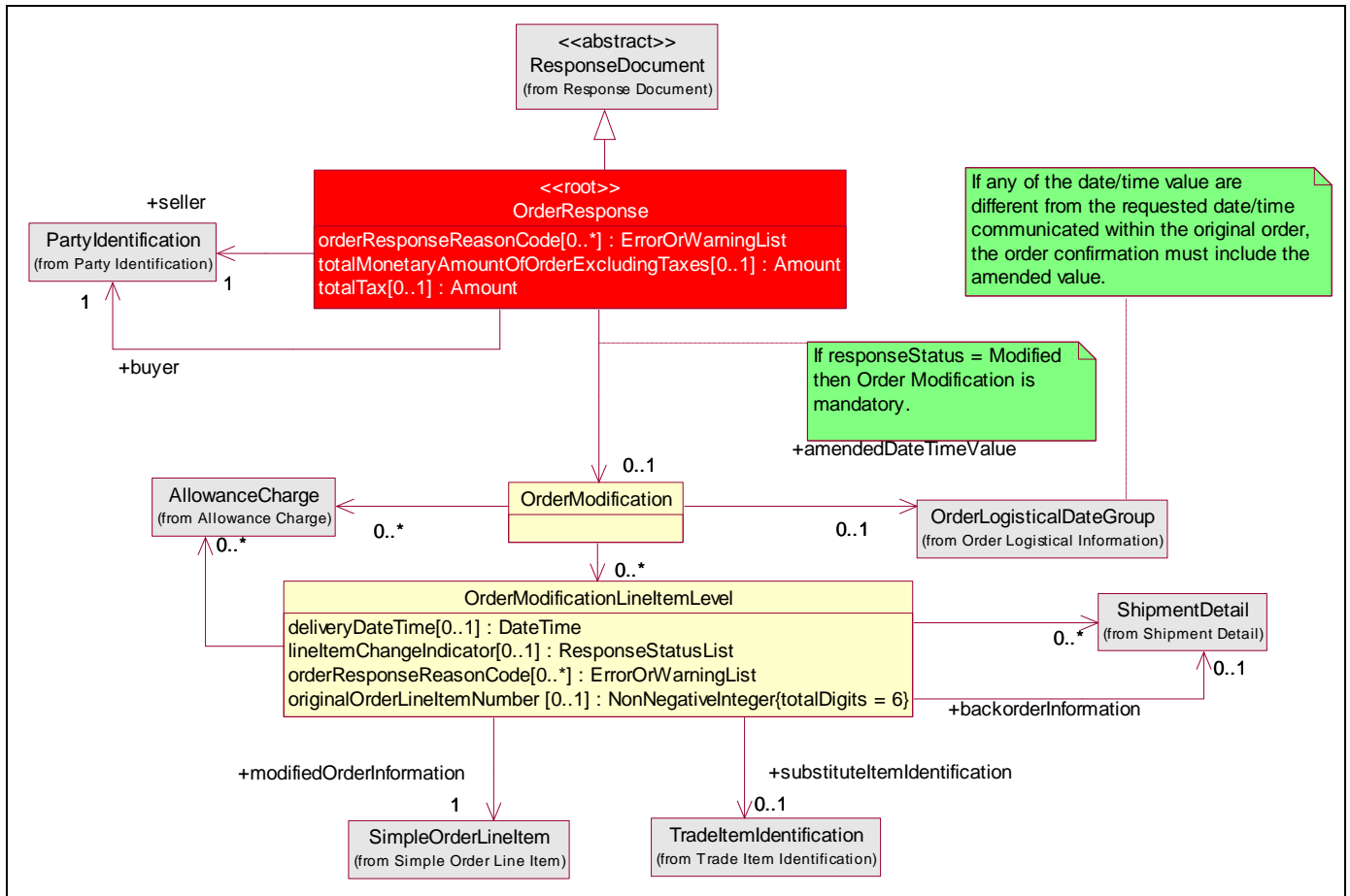
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
					buyer.			and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	
			ResponseDocument	Order Response. Inheritance. Response Document	Specifies the type of response and the information of the referenced document	1..1		BRD for UK Food Service Ordering BRD Version 0.8 and BRAD for Upstream Standards Demand & Supply Signals Version 0.1.0	



**Note:** Reference Common Library Business Message Release 2.6.0 for all common information.

## 5.2. Class Diagrams

Figure 5-1 Order Response



- Note:** Reference Common Library Business Message (BMS) Release 2.6.0 for all common information.

## 5.3. Code Lists

- Note:** Reference Common Library Business Message Release 2.6.0 for all Code Lists.

# 6. Business Document Example

## 6.1. Example A

A seller identified by the GS1 Global Location Number 4098765000010 has received an order from the buyer identified by the GS1 Global Location Number 5412345000013 and is sending his response.

The identification of the order received is PO02109 on 3rd of November 2003 and was requested to be delivered on the 10th of November 2003.

**The buyer ordered the following:**

GS1 Global Trade Item Number (GTIN)	Quantity
4098765000027	48
4098765000034	24

The seller has modified the order. It will be delivered the 10<sup>th</sup> of November 2003; however, the quantity available for the trade item identified with the GS1 Global Number (GTIN) 4098765000027 is 40 because out of stock. The Order Response identification is: OR 002508 and it is created on November 4<sup>th</sup> 2003 at 10:00 AM.

## 6.2. Example B

A seller identified by the GS1 Global Location Number 4098765000010 has received an order (PO022214) from the buyer identified by the GS1 Global Location Number 5412345000013 and is sending his response: Acceptance of the entire order as transmitted

The Order Response identification is: OR 002760 and it is created on February 10<sup>th</sup> 2004 at 8:00 AM.

## 6.3. Example C

A seller identified by the GS1 Global Location Number 4098765000010 has received an order (PO09873) from the buyer identified by the GS1 Global Location Number 5412345000013 and is sending his response: Rejection of the entire order. The reason for rejection is product was discontinued.

The Order Response identification is: OR 003895 and it is created on April 3<sup>rd</sup> 2004 at 11:00 AM.

## 6.4. Example D

A seller identified by the GS1 Global Location Number 4098765000010 has received an order from the buyer identified by the GS1 Global Location Number 5412345000013 and is sending his response.

The identification of the order received is PO0825 on 12<sup>th</sup> of September 2004 and was requested to be delivered on the 30<sup>th</sup> of September 2004.

**The buyer ordered the following:**

GS1 Global Trade Item Number (GTIN)	Quantity
4098765000133	36
4098765000089	24

The seller has accepted the order. However, the trade item identified with the GS1 Global Number (GTIN) 4098765000133 is not available and it will be substituted with the trade item identified with the GS1 Global Number (GTIN) 4098765000348. The reason for modification is product is out of stock.

The Order Response identification is: OR 1211 and it is created on September 15<sup>th</sup> 2004 at 08:00 AM.

# 7. Implementation Considerations

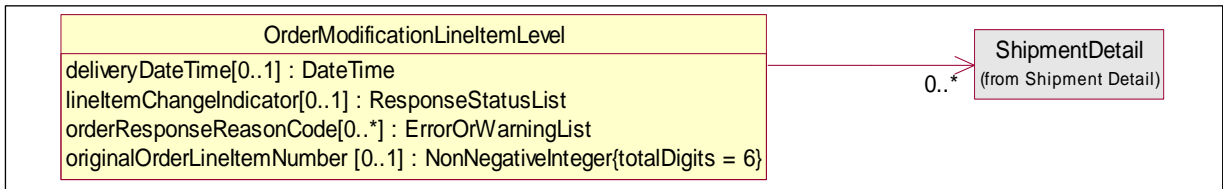
For each order modification line item, there is an optional relationship to shipment details that supports two business scenarios:

## Scenario 1 – Units are being shipped

Within the ShipmentDetail class, the attribute ‘requestedQuantity’ represents the quantity being shipped.

**Figure 7-1**

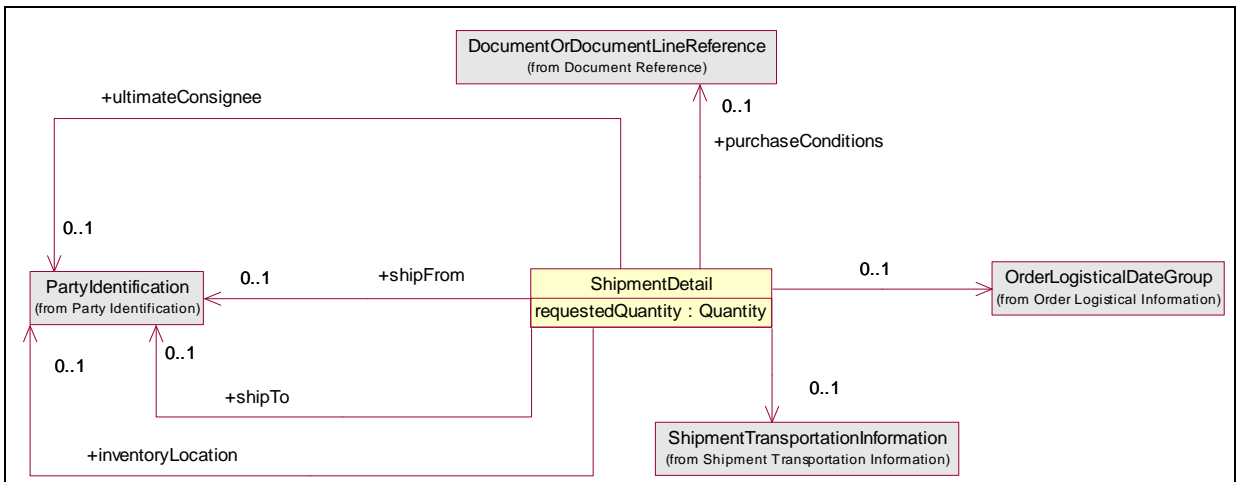
Class Diagram with association to ShipmentDetail for units being “shipped”



**Figure 7-2**

Class Diagram of ShipmentDetail

**Note: For Reference Purposes only** to provide visibility for this example. The structure and content of the common library components are maintained in the Common Library Business Message (BMS) Release 2.6.0.

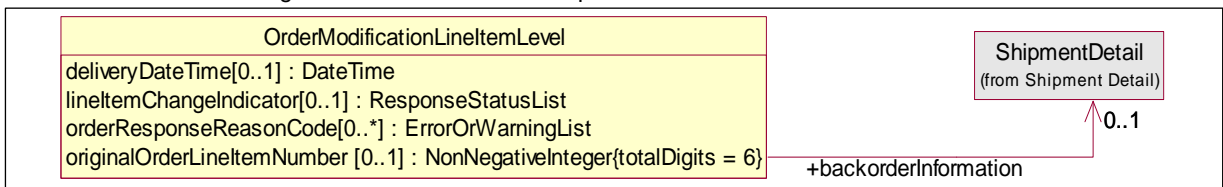


## Scenario 2 – Units are backordered

Within the ShipmentDetail class, the attribute ‘requestedQuantity’ represents the quantity that is on backorder, to be shipped at another time. The backorder shipment dates, if known, can be sent in OrderLogisticalDateGroup which is associated with ShipmentDetail.

**Figure 7-3**

Class Diagram with association to Shipment Detail for units that are “backordered”



**Note:** Reference Common Library Business Message (BMS) Release 2.6.0 for all common information.

## 8. Testing

### 8.1. Pass / Fail Criteria

Not Applicable

### 8.2. Test Data

#### 8.2.1. Example A

<b>OrderResponse</b>	
ResponseDocument	
responseStatusType	MODIFIED
creationDateTime	2003 - 11 -04 10:00
documentStatus	ORIGINAL
<b>Response Identification – Entity Identification</b>	
<b>Unique Creator Identification</b>	OR 002508
<b>Content Owner</b>	4098765000010
<b>Response to Original Document - Reference Document</b>	
<b>Reference Document Type</b>	35
<b>Reference Identification</b>	PO02109
<b>Reference Date Time</b>	2003-11-03
<b>Party Information</b>	
<b>Seller (GLN)</b>	4098765000010
<b>Buyer (GLN)</b>	5412345000013
<b>Order Modification</b>	
<b>Order Logistical Date Group</b>	
<b>Requested Delivery Date– Logistical Date</b>	
<b>Date</b>	2003 -11- 10
<b>Order Modification Line Item Level</b>	
orderResponseReasonCode	PRODUCT_OUT_OF_STOCK
<b>Modified Order Information – Simple Order Line</b>	
<b>Line Item</b>	1
<b>Trade Item Identification (GTIN)</b>	4098765000027
<b>Requested Quantity</b>	40

#### 8.2.2. Example B

<b>OrderResponse</b>	
<b>Response Document</b>	

<b>OrderResponse</b>	
Response Status Type	ACCEPTED
Creation Date Time	2004 – 02 -10 08:00
documentStatus	ORIGINAL
Response Identification – Entity Identification	
<b>Response Identification – Entity Identification</b>	
Unique Creator Identification	OR 002760
Content Owner	4098765000010
<b>Response to Original Document - Reference Document</b>	
Reference Document Type	35
Reference Identification	PO022214
<b>Party Information</b>	
Seller (GLN)	4098765000010
Buyer (GLN)	5412345000013

### 8.2.3. Example C

<b>Response Document</b>	
Response Status Type	REJECTED
Creation Date Time	2004 – 04 -03 11:00
documentStatus	ORIGINAL
orderResponseReasonCode	DISCONTINUED_LINE
<b>Response Identification – Entity Identification</b>	
Unique Creator Identification	OR 003895
Content Owner	4098765000010
<b>Response to Original Document - Reference Document</b>	
Reference Document Type	35
Reference Identification	PO09873
<b>Party Information</b>	
Seller (GLN)	4098765000010
Buyer (GLN)	5412345000013

### 8.2.4. Example D

<b>OrderResponse</b>	
Document	
creationDateTime	2004 – 09 -15 08:00
documentStatus	ORIGINAL

ResponseDocument	
responseStatusType	MODIFIED
ReferenceDocument (+responseToOriginalDocument)	
referenceDocumentType	35
referenceIdentification	PO0825
EntityIdentification (+responseIdentification)	
uniqueCreatorIdentification	PO0222
PartyIdentification (+contentOwner)	
gLN	7594567000014
Party IIentification	
Seller (GLN)	4098765000010
Buyer (GLN)	5412345000013
Order Modification	
Order Modification Line Item Level	
orderResponseReasonCode	PRODUCT_OUT_OF_STOCK
Modified Order Information – Simple Order Line	
Line Item	1
Trade Item Identification (GTIN)	4098765000348
Requested Quantity	36
Substitute Item Identification – Trade Item Identification	
Trade Item Identification (GTIN)	4098765000133

## 9. Appendices

Not Applicable

## 10. Summary of Changes

Change	BSD Version	Associated CR Number
Initial Draft	V 0.1.0	CR 03-145

Change	BSD Version	Associated CR Number						
Created ResponseDocument class which includes. ResponseStatusType Responselidentification Information on (responseToOriginalDocument) ReferenceDocumentType Referencelidentification ReferenceDateTime[0..1]  Updated activity and use case diagram to reflect change in BSD title.	V0.1.2							
Update text according to the resolution on the first 14 comments received during the public review period: - Clarification on possible modifications - Typos :- Better wording in Use Case Description - Include Related Rules information in the Use Case Description.	V 0.1.3							
Update text according to the resolution on the rest of comments received during the public review period: - Population GDD definitions - Updates in the business examples and test data	V.0.1.4							
Updated documentation to reflect the BMS Version 2.1 publication release.	V 0.1.7							
Class Diagram: <b>OrderResponse</b> Added attribute orderResponseReasonCode[0..*]:ErrorOrWarningList  OrderModificationLineItemLevel Added attribute orderResponseReasonCode[0..*]:ErrorOrWarningList  ResponseDocument Removed attribute creationDateTime:DateTime Added generalisation to Document  ErrorOrWarningList Added <table border="1" data-bbox="289 1602 971 1896"> <tr><td>PRODUCT_OUT_OF_STOCK</td></tr> <tr><td>ITEM_TEMPORARILY_NOT_AVAILABLE</td></tr> <tr><td>DELIVERY_SLOT_MISSED</td></tr> <tr><td>DELIVERY_SLOT_NOT_VALID_FOR_LOCATION</td></tr> <tr><td>PRODUCT_NOT_VALID_FOR_LOCATION</td></tr> <tr><td>DISCONTINUED_LINE</td></tr> </table>	PRODUCT_OUT_OF_STOCK	ITEM_TEMPORARILY_NOT_AVAILABLE	DELIVERY_SLOT_MISSED	DELIVERY_SLOT_NOT_VALID_FOR_LOCATION	PRODUCT_NOT_VALID_FOR_LOCATION	DISCONTINUED_LINE	0.2.0	CR 07-00026/27/31
PRODUCT_OUT_OF_STOCK								
ITEM_TEMPORARILY_NOT_AVAILABLE								
DELIVERY_SLOT_MISSED								
DELIVERY_SLOT_NOT_VALID_FOR_LOCATION								
PRODUCT_NOT_VALID_FOR_LOCATION								
DISCONTINUED_LINE								



Change	BSD Version	Associated CR Number
Update to BSM template Version 1.8	0.2.1	
Updated for BMS Release 2.4.0 to complete the Order Suite. This allows the order response functionality for the three order types. <ul style="list-style-type: none"> <li>■ Order</li> <li>■ Multi Shipment Order</li> <li>■ Configure to Order</li> </ul> No updates to UML or GDD. Updated document to reference BMS Release 2.4.0	0.3.0	07-000300
Public Review	0.3.1	Not Applicable
eCom BRG eBallot Approved Updated BMS to Approved	0.3.2	Not Applicable
Class: Order Modification Line Item Level Added attributes (07-338) lineItemChangeIndicator[0..1]:ResponseStatusList deliveryDateTime[0..1]:DateTime  Added Association (08-009) OrderModificationLineItemLevel+(0..*) to AllowanceCharge OrderModification+(0..*) to AllowanceCharge  Class: Order Response Added attributes (08-008) totalMonetaryAmountOfOrderExcludingTaxes[0..1] : Amount totalTax[0..1]:Amount  Added Association (08-053) OrderModificationLineItemLevel+(0..*) to ShipmentDetail  (08-209) Response Document structure has been changed for backward compatibility rules. Please refer to common library 2.5.0 (08-009) Note code value addition for Allowance Charge list. Please refer to common library 2.5.0	0.4.0	07-338 08-009 08-008 08-053 08-209
For BMS Release 2.5.0 <ul style="list-style-type: none"> <li>■ Prep document for public review on 01-Dec-2008</li> <li>■ Remove Code Lists &amp; Add notes to reference Common Library BMS for Code Lists and Common Information.</li> </ul>	0.4.1	Not Applicable
For BMS Release 2.5.0 <ul style="list-style-type: none"> <li>• eBallot Approved, Updated BMS to 'Approved' Status</li> <li>• Update version to 'Issue'</li> </ul>	Issue 0.4.1	Not Applicable

Change	BSD Version	Associated CR Number
For BMS Release 2.6.0 <ul style="list-style-type: none"> <li>Add optional attribute "originalOrderLineItemNumber " to OrderModificationLineItemLevel class; Added to GDD as BBIE.</li> </ul> <div data-bbox="370 359 1122 520" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">OrderModificationLineItemLevel</p> <p>deliveryDateTime[0..1] : DateTime                          lineItemChangeIndicator[0..1] : ResponseStatusList                          orderResponseReasonCode[0..*] : ErrorOrWarningList                          originalOrderLineItemNumber [0..1] : NonNegativeInteger{totalDigits = 6}</p> </div>	0.5.0	08-084; 09-134
For BMS Release 2.6.0 Based on BRG comments in meeting on 22 Jul 2009, alternative solution developed for backorder quantity to create an association for backorderInformation to Shipment Detail and remove backOrderQuantityIndicator attribute as originally proposed.	0.5.2	CR 08-107, 09-134
For BMS Release 2.6.0 – Update based on peer review comments to add ShipmentDetail class diagram with 'Reference Only' note in Implementation Considerations section.	0.5.3	Not Applicable

