



# Business Message Standard (BMS) Order Response

**BMS Release: 3.0.0, BRG Name: eCom**

*Issue 1.0.0, 12-Jan-2012*



## Document Summary

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14- Jan -2008	Troy Denyer, GS1 Australia	08-000008
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31 – Jul – 2007	John Ryu, GS1 Global Office	07-000300
25- Jan -2007	Rob Heather, GS1 UK	07-000026
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25- Jan -2007	Rob Heather, GS1 UK	07-000031
31 – Jan -2005	IRT Upstream Standard	05-000023
30- Oct - 2003	Unilever on behalf of OFSCI (Foodservice Supply Chain Initiative)	03-000145

## 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 Title:	BRAD Date:	BRAD Version
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
BRAD for Current Requirements Queue (Major Release 3)	23 Nov 2010	BRAD Version 0.2.0

## Document Change History

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21-Apr-2011	1.0.0	Mark Van Eeghem	BMS Release 3.0.0	Noted in Summary of Changes	Not applicable
9-Jun-2011	1.0.0	Coen Janssen	Issue resolutions	Changed sequence of attributes in classes OrderResponse and OrderResponseLineItem	Not applicable
19-Jul-2011	1.0.0	Mark Van Eeghem	TSD Development	Noted in Summary of Changes	Not applicable
18-Oct-2011	1.0.0	Coen Janssen	BMS Release 3.0 eBallot Approved	Status updated	Not Applicable
12-Jan-2012	1.0.0	Mark Van Eeghem	BMS Publication	Noted in Summary of Changes	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
Ref 6	BMS eCom Domain Common Library	BMS Release Version 3.0.0
Ref 7	BMS Shared Common Library	BMS Release Version 3.0.0

## 1.5. Acknowledgements

### 1.5.1. Work Group

Function	Name	Company / organisation
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Member	Blankenstein, Kyra	GS1 Netherlands
Member	Bradley, Ardetha	Georgia Pacific

Function	Name	Company / organisation
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Member	Chatagnier, Isabelle	GS1 France
Member	Childs, Justin	GS1 Global Office
Member	Chresta, Richard	GS1 Switzerland
Member	Cox, Marc	Philips Electronics N.V.
Member	De Flou, Nele	GS1 Belgium & Luxembourg
Member	Denyer, Troy	GS1 Australia
Member	Dicks, Arne	GS1 Germany
Member	Dodd, Marilyn	3M Company
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Member	Gathmann, Stefan	GS1 Ireland
Member	Gilbert, Jean-Christophe	GS1 France
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Member	Herrick, Lisa	GS1 Global Office
Member	Hill, Douglas	GS1 Denmark
Member	Hoberg, Peter	Consafe Lodistics
Member	Iwicka, Ewa	GS1 Global Office
Member	Jin Soon, Tan	GS1 Singapore
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Member	Kempkes, Fred	Unilever N.V.
Member	Kidd, Robin	Nestle
Member	Kille, Grant	SA2 Worldsync GmbH
Member	Kozovic, Vladimir	GS1 Serbia
Member	Krid, Anne-Claire	GS1 France
Member	Lai, Keith	GS1 Australia
Member	Laur, Rita	GS1 Canada
Member	Lazarkova, Galya	GS1 Austria
Member	Lenman, Mia	GS1 Sweden
Member	Lockhead, Sean	GS1 Global Office
Member	Maniero, Ana Paula	GS1 Brasil
Member	Maree, Eric	Accenture Supply Chain Services
Member	Martinko, Michal	Hewlett-Packard
Member	McLeod, Ed	Procter & Gamble Co.

Function	Name	Company / organisation
Member	Melcher, Jeff	The Exchange (AAFES)
Member	Montes de Oca, Alejandra	GS1 Mexico
Member	Moritz, Marcus	GS1 Germany
Member	Mugnier, Norbert	Dilicom
Member	Narbaïts-Jauréguy, Corinne	GS1 France
Member	Noyes, Debra	Johnsonville Sausage, Inc
Member	Picoito, Joao	GS1 Portugal
Member	Plaksin, Leon	GS1 Australia
Member	Popper, Bret	Kraft Foods
Member	Post, Valerie	Link Snacks Inc, Jack Links Beef Jerky
Member	Pottier, Natascha	GS1 France
Member	Pujol, Xavier	GS1 Spain
Member	Repetto, Mirko	GS1 Italy
Member	Robba, Steven	SA2 Worldsync GmbH
Member	Rosell, Pere	GS1 Spain
Member	Rosenberg, Steven	GS1 US
Member	Ryu, John	GS1 Global Office
Member	Schmidt, Tom Eric	August Storck KG
Member	Schneider, Christian	GS1 Switzerland
Member	Sedano Acosta, Federico	GS1 Argentina
Member	Sharma, Vishal	General Mills, Inc.
Member	Sharratt, Jon	Target Corporation
Member	Shimazaki, Ayako	GS1 Japan
Member	SION, Emilie	GS1 France
Member	Smith, Matthew	Bunnings Group Limited
Member	Sobrino, Gabriel	GS1 Netherlands
Member	Strand, Roman	GS1 Germany
Member	Takahashi, Akira	Data Applications Co, Ltd
Member	Tomassi, Gina	PepsiCo, Inc.
Member	Trelle, Ute	SA2 Worldsync GmbH
Member	Voorspuij, Jaco	DHL
Member	Welch, Shan	GS1 UK
Member	Westerkamp, Jan	GS1 Netherlands
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### 1.5.2. Design Team Members

Function	Name	Organisation
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Function	Name	Organisation
XML Technical Designer	Dipan Anarkat	GS1 Global Office
Peer Reviewer	John Ryu / Eric Kauz	GS1 Global Office

## 2. Business Context

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

## 3. Additional Technical Requirements Analysis

Not Applicable

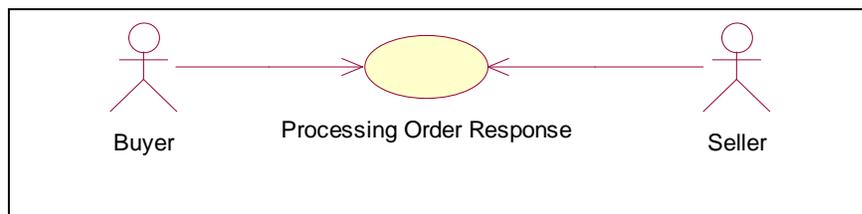
### 3.1. Technical Requirements

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>	The seller needs to inform the buyer about the: <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,</li> </ul>

	prices and/or dates with modification reason. <ul style="list-style-type: none"> <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>	The following information should be pre aligned: <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 style="text-align: center;">1</td> <td style="text-align: center;">Seller</td> <td>Decides to accept the order with no modifications</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">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 style="text-align: center;">3</td> <td style="text-align: center;">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>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td>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.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>                     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,                 </td> </tr> </table>	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,								
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,												

		<p>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 original article is indicated in the substituteTradeltemClass.</p> <p>The response status within the order response must be MODIFIED, and the seller may provide the modification reason.</p>
	3	<p>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.</p>
	4	<p>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)</p>
	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>

### 4.3. Business Transaction Activity Diagram

Figure 4-3 Order Response Activity Diagram



## 5. Information Model (Including GDD Report)

### 5.1. GDD Order Response

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	originalOrder	DocumentReference	1..1	Reference to the order on which the response is based.	
Association	orderResponseIdentification	EntityIdentification	1..1	The unique identification of the Order Response.	
Association	buyer	TransactionalParty	1..1	Identifies the party to which products or services are sold.	
Association	seller	TransactionalParty	1..1	Identifies the party which sells products or services to a buyer.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	amendedDateTimeValue	OrderLogisticalDateInformation	0..1	Contains the modifications on dates or date ranges of the original order.	
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.	
Generalization		Document		Contains the information related with the document in the Order Response.	
Attribute	responseStatusType	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	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	totalMonetaryAmountExcludingTaxes	Amount	0..1	The total monetary amount of the purchase order excluding all taxes,	renamed from totalMonetaryAmountOf OrderExcludingTaxes
Attribute	totalTaxAmount	Amount	0..1	The total tax amount of the purchase order.	

- 
**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

## 5.2. GDD Order Response Line Item

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
OrderResponse LineItem				Contains the modifications per line item on items (substitutes), quantities, prices and/or of the original order.	
Association	backOrderInformation	OrderResponseLineItem Detail	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	substituteltemInformation	TransactionalTradeItem	0..1	The substitute trade item associated to the Order Response Line Item. This item replaces the item that was originally requested.	
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		OrderResponseLineItem Detail	0..*	Allows the identification of various shipping details by Order Response Line Item, for example in case of split deliveries.	
Association		LeviedDutyFeeTax	0..1	The tax applicable to the Order Line Item.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
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 Simple Order Line Item.	
Attribute	confirmedQuantity	Quantity	1..1	The quantity which has been confirmed by the seller.	MR3 renamed from requestedQuantity
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 timberPlease 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	lineItemActionCode	LineItemActionCode	0..1	Provides the activity required by the recipient on the line item of this order line item.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	lineItemChangeIndicator	ResponseStatusCode	0..1	Provides the response in the order response line item level.	
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	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	originalOrderLineItemNumber	positiveInteger	0..1	A reference to the original order line item number.	

-  **Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

### 5.3. GDD Order Response Line Item Detail

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

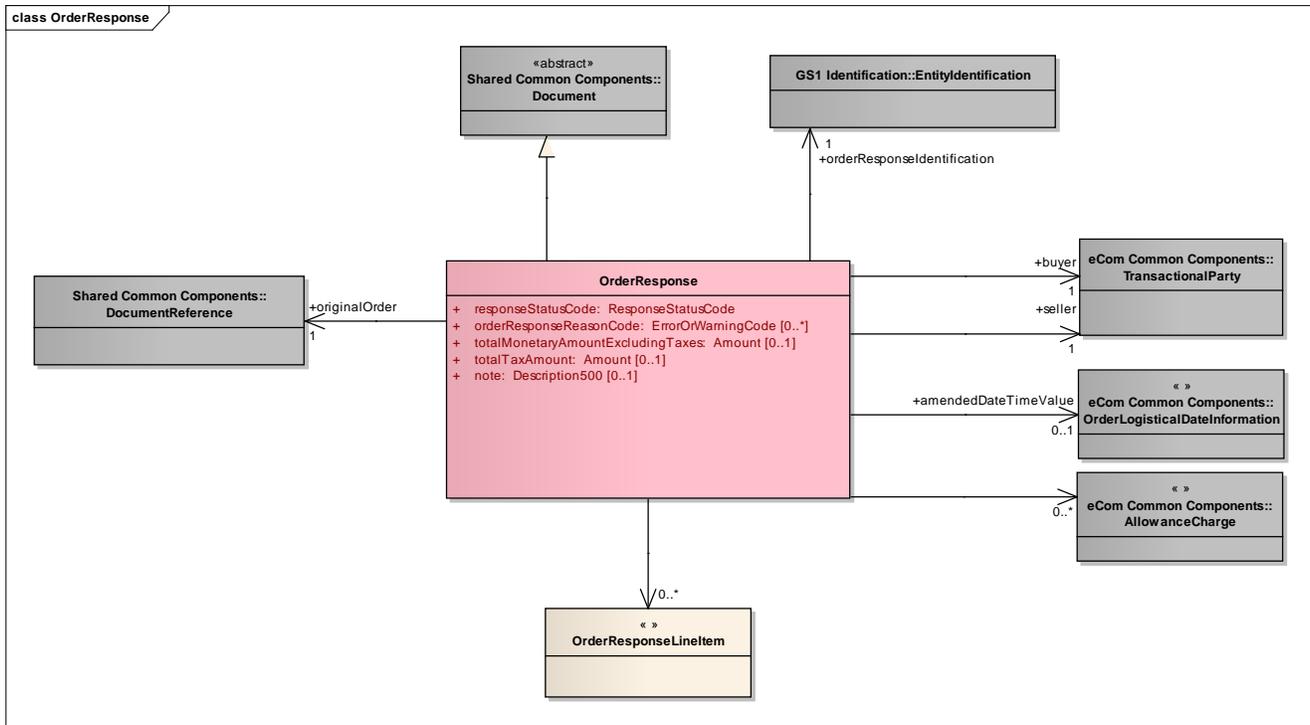
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	purchaseConditions	DocumentReference	0..1	A reference to the purchase conditions. The reference is associated with specific items in the order.	
Association		OrderLogisticalInformation	1..1	Provides identification 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.	
Attribute	confirmedQuantity	Quantity	1..1	The quantity which has been confirmed by the seller.	MR3 renamed from requestedQuantity



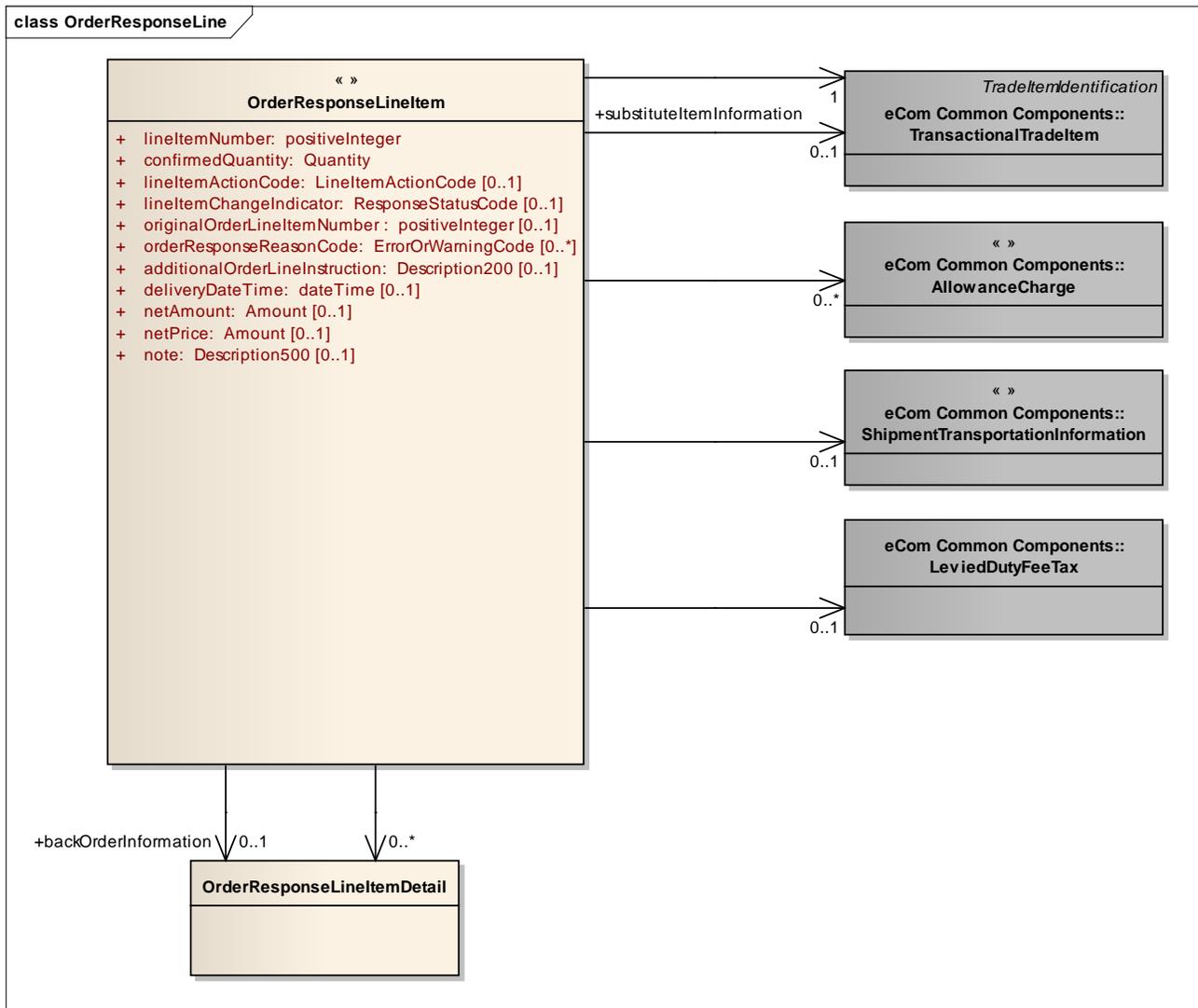
**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

## 5.4. Class Diagrams

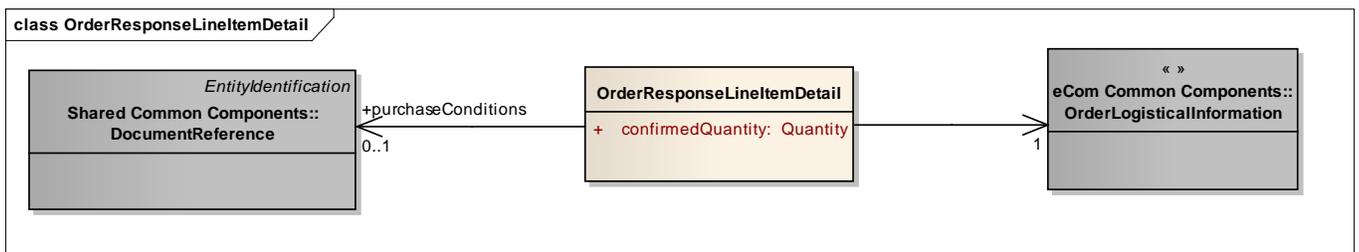
Figure 5-1 Order Response



**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

**Figure 5-2** Order Response Line Item


**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

**Figure 5-2** Order Response Line Item


**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all common information.

## 5.5. Code Lists

 **Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 for all Code Lists.

Class	Codelist	Referenced in
OrderResponse & OrderResponseLineItem	ErrorOrWarningCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0
OrderResponse & OrderResponseLineItem	ResponseStatusCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0
OrderResponseLineItem	LineItemActionCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0

## 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 3<sup>rd</sup> of November 2003 and was requested to be delivered on the 10<sup>th</sup> of November 2003.

**The buyer ordered the following:**

GS1 Global Trade Item Number (GTIN)	Quantity

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

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

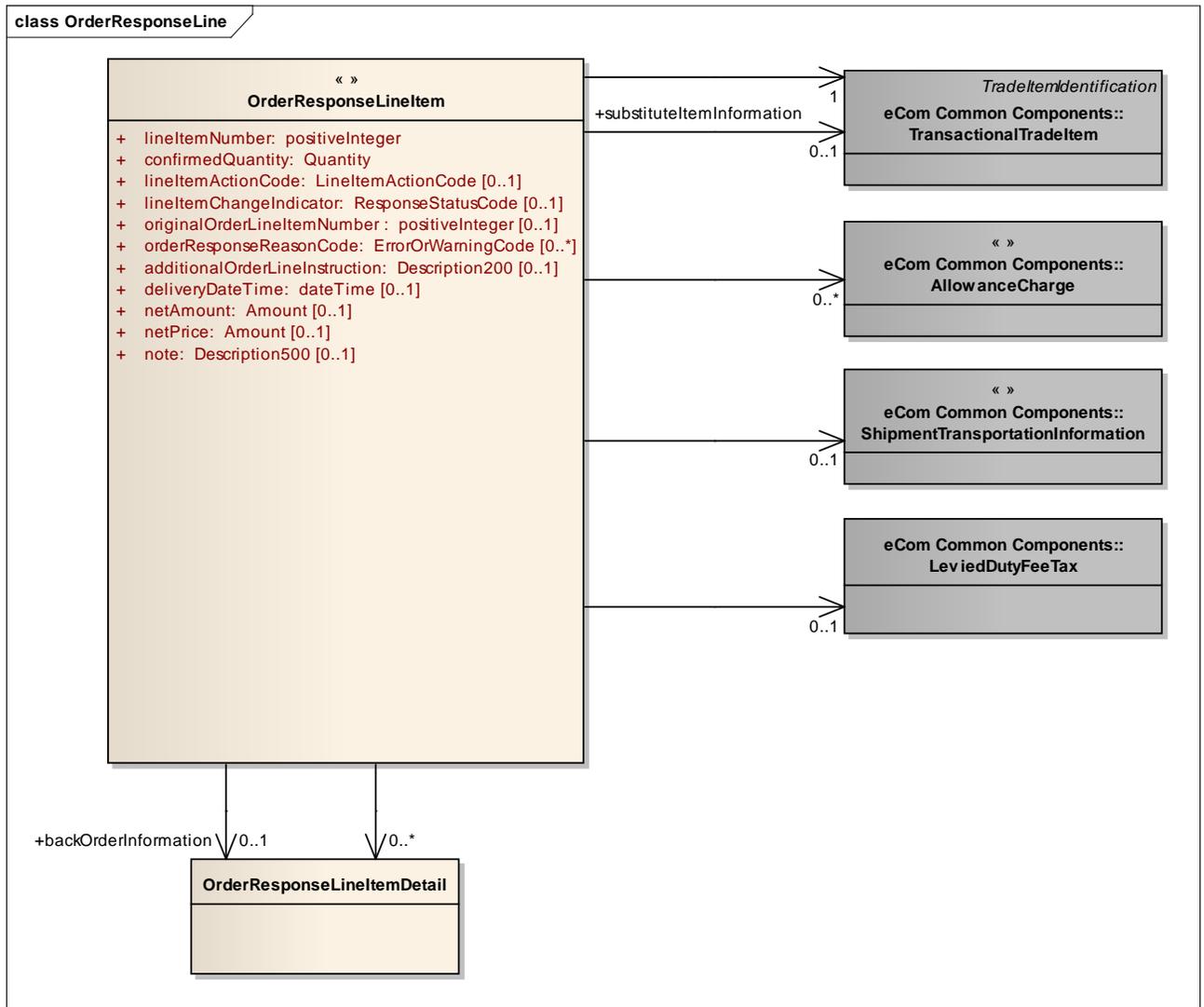
For each order modification line item, there is an optional relationship to shipment details that supports two business scenarios:

### Scenario 1 – Units are being shipped

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

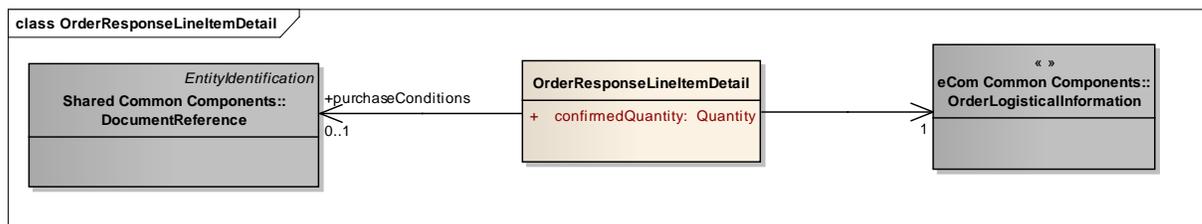
**Figure 7-1**

Class Diagram with association to OrderResponseLineItemDetail 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 components are maintained in the Shared Common Library Business Message (BMS) Release 3.0.0 and the eCom Domain Common Library Business Message (BMS) Release 3.0.0.

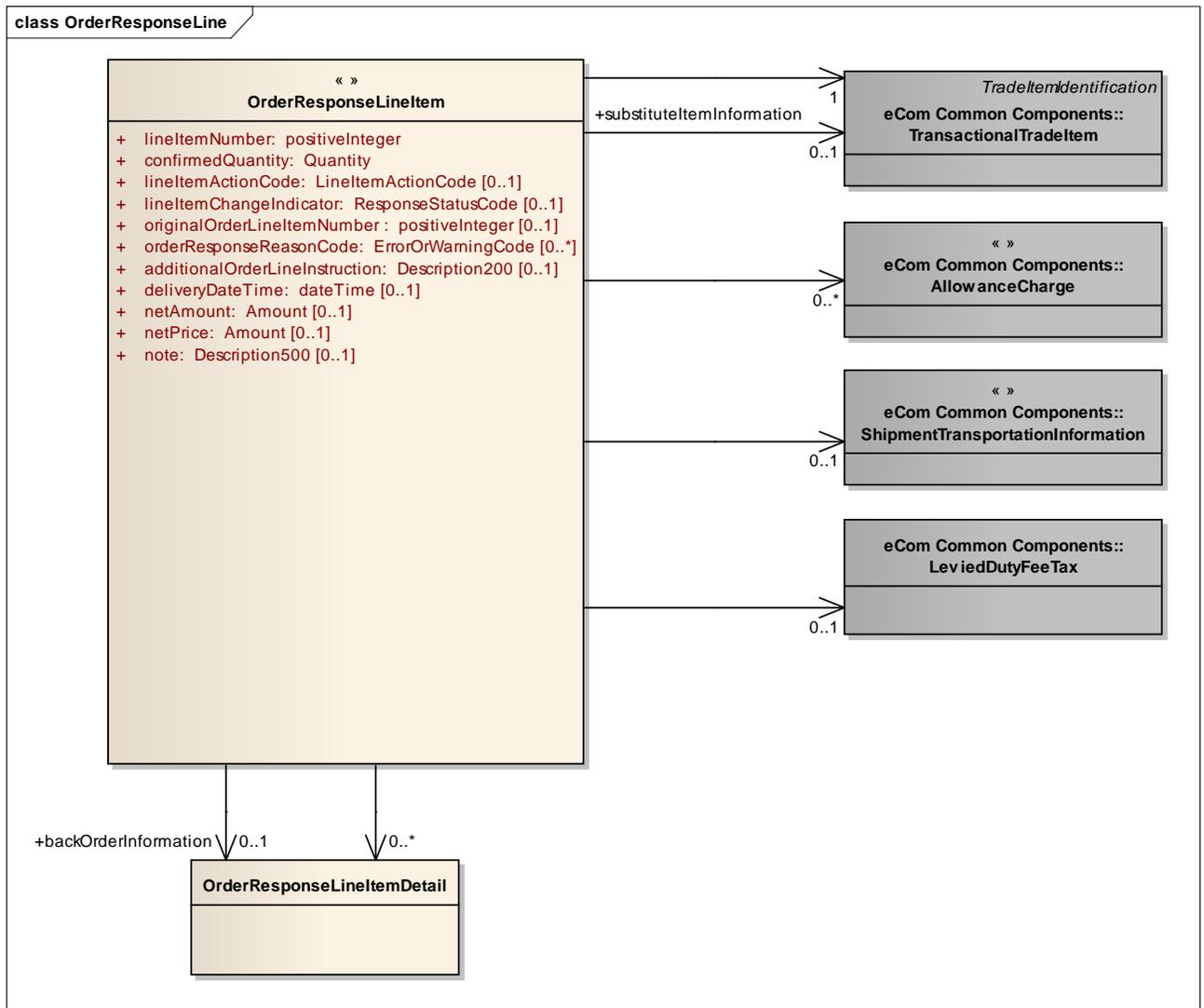


## Scenario 2 – Units are backordered

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.

**Figure 7-3**

Class Diagram with association to OrderResponseLineItemDetail for units that are "backordered"



**Note:** Reference Shared Common Library Business Message Release 3.0.0 and eCom Domain Common Library Business Message Release 3.0.0 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>	
responseStatusCode	MODIFIED
<b>Document</b>	
creationDateTime	2003 – 11 -04 10:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR 002508
contentOwner	4098765000010
<b>DocumentReference(+originalOrder)</b>	
creationDateTime	2003-11-03
lineItemNumber	35
entityIdentification	PO02109
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010
<b>OrderLogisticalDateInformation (+amendedDateTimeValue)</b>	
<b>DateOptionalTime (+requestedDeliveryDateTime)</b>	
date	2003 -11- 10
<b>OrderResponseLineItem</b>	
lineItemNumber	1
confirmedQuantity	40
orderResponseReasonCode	PRODUCT_OUT_OF_STOCK
<b>TransactionalTradeItem</b>	
gtin	4098765000027

#### 8.2.2. Example B

<b>OrderResponse</b>	
responseStatusCode	ACCEPTED

<b>Document</b>	
creationDateTime	2004-02-04 08:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR 002760
contentOwner	4098765000010
<b>DocumentReference(+originalOrder)</b>	
lineItemNumber	35
entityIdentification	PO022214
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010

### 8.2.3. Example C

<b>OrderResponse</b>	
responseStatusCode	REJECTED
orderResponseReasonCode	DISCONTINUED_LINE
<b>Document</b>	
creationDateTime	2004-04-03 11:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	OR 003895
contentOwner	4098765000010
<b>DocumentReference(+originalOrder)</b>	
lineItemNumber	35
entityIdentification	PO09873
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010

### 8.2.4. Example D

<b>OrderResponse</b>	
responseStatusCode	MODIFIED

<b>Document</b>	
creationDateTime	2004-09-15 08:00
documentStatusCode	ORIGINAL
<b>Entity Identification (+orderResponseIdentification)</b>	
entityIdentification	PO0222
contentOwner	7594567000014
<b>DocumentReference(+originalOrder)</b>	
lineItemNumber	35
entityIdentification	PO0825
<b>TransactionalParty (+buyer)</b>	
gln	5412345000013
<b>TransactionalParty (+seller)</b>	
gln	4098765000010
<b>OrderResponseLineItem</b>	
lineItemNumber	1
confirmedQuantity	36
orderResponseReasonCode	PRODUCT_OUT_OF_STOCK
<b>TransactionalTradeItem</b>	
gtin	4098765000348
<b>TransactionalTradeItem (+substituteItemInformation)</b>	
gtin	4098765000027

## 9. Appendices

### 10. Architectural Principles

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
2.1	The GS1 Architecture shall be fully aligned to GS1 Strategy, Vision, & Mission	The solution in the BSD is aligned with the business problem as defined in the CR and BCD.	<input checked="" type="checkbox"/>	
2.2	The GS1 Architecture shall leverage the use of GS1 Keys	The solution maintains the GS1 keys as the primary, mandatory identifiers.	<input checked="" type="checkbox"/>	
2.3	The GS1 Architecture shall leverage the common GS1 Global Data Dictionary (GDD)	The solution does not alter the formats of primary identifiers and complies with data elements as defined in the Global Data Dictionary.	<input checked="" type="checkbox"/>	
2.4	The GS1 Architecture shall be forward-looking, provide for migration strategies and backward compatibility, and support adaptable and flexible solutions	The solution is backwards compatible according to the stated scope in the document. The solution takes into consideration the potential impact of the standard, especially with respect to implementation and maintenance. Any potential known impact is documented.	<input checked="" type="checkbox"/>	
2.5	The GS1 Architecture shall support business processes tied to trading partner needs, relevant, and committed to demonstrable business value	All business requirements contained in the related BRAD come from trading partners or representatives with a genuine intention to implement the standards when developed. All requirements are driven by the business needs of the trading partners.	<input checked="" type="checkbox"/>	
2.6	The GS1 Architecture shall enable security where appropriate	Security solutions are included where appropriate.	<input checked="" type="checkbox"/>	
2.7	The GS1 Architecture shall be consistent	The solution does not violate consistency of the data architecture within each layer and between each layer of the GS1 System. For example, requirements do not alter a key used across GS1 standards or alter a reusable object without applying this change across related standards.	<input checked="" type="checkbox"/>	

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
2.8	The GS1 Architecture shall be royalty-free	The solution supports this principle where possible. The solution may include the use of other standards organizations that may not be royalty free.	<input checked="" type="checkbox"/>	
3.1	The GS1 Architecture should promote the achievement of the best overall value at the lowest total cost of ownership	The solution promotes the achievement of the best overall value at the lowest total cost of ownership.	<input checked="" type="checkbox"/>	
3.2	The GS1 Architecture should promote scalability	The solution takes into consideration the potential scalability of the standard. Any potential known impact to scalability is documented.	<input checked="" type="checkbox"/>	
3.3	The GS1 Architecture should promote seamless integration	The BSD promotes seamless integration with other GS1 Standards if in scope.	<input checked="" type="checkbox"/>	
3.4	The GS1 Architecture should promote interoperability and compliance	The solution takes into consideration data and process interoperability. For example, any shared objects between interoperable messages must remain consistent. Any potential known impact to interoperability is documented.	<input checked="" type="checkbox"/>	
3.5	The GS1 Architecture should promote simplicity and standard interfaces	The solution does not threaten the standardisation of the interfaces of the GS1 System. Interfaces are not limited to references to technology but also include such ideas as business interfaces and process interfaces.	<input checked="" type="checkbox"/>	
3.6	The GS1 Architecture should avoid duplication	The solution does not create duplications with existing GS1 components. If there are potential duplications, these are documented with a stated rationale for the duplication.	<input checked="" type="checkbox"/>	
3.7	The GS1 Architecture should promote technology independence and a layered approach	The solution does not impose implicit or explicit restrictions of any technology.	<input checked="" type="checkbox"/>	
3.8	The GS1 Architecture should promote global cross-sector definitions and leverage the best of global and the best of local	The solution takes into account a global perspective.	<input checked="" type="checkbox"/>	
3.9	The GS1 Architecture shall leverage a common strategy for extensibility	This solution uses consistent and common, extensibility approaches, methodologies and technology where available and applicable.	<input checked="" type="checkbox"/>	

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
4.1	In support of a common GS1 Architecture, GS1 shall leverage work of other standards bodies wherever possible.	This solution utilizes works of other standards bodies wherever possible.	<input checked="" type="checkbox"/>	
4.2	In support of a common GS1 Architecture, GS1 shall strive to eliminate exceptions and variances wherever possible	The solution strives to eliminate exceptions and variances wherever possible and does not create new variances.	<input checked="" type="checkbox"/>	

## 11. Summary of Changes

Change	BSD Version	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>	1.0.0	09-236, 09-238,09-240
<p><b>For BMS Publication:</b></p> <p>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>	1.0.0	