



Business Message Standard (BMS) Order Response

BMS Release: 2.5.0, BRG Name: eCom

Issue 0.4.1, 06-Feb-2009



Document Summary

Document Item	Current Value
Document Title	Business Message Standard (BMS)
BMS Name	Order Response
BMS Release	2.5.0
BRG Name	eCom
Document Number	Issue 0.4.1
Date Last Modified	06-Feb-2009
Status	Approved
Owner	eCom BRG
BMS Template Version	1.9

Change Request Reference

Date of CR Submission to GSMP:	CR Submitter(s):	Refer to Change Request (CR) Number(s):
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
30- Oct - 2003	Unilever on behalf of OFSCI (Foodservice Supply Chain Initiative)	03-000145

Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Order Response Document and Reason Code	20070314	BRAD Version 0.0.2
BRD for UK Food Service Ordering	20041124	BRAD Version 0.8
BRAD for Upstream Standards Demand & Supply Signals	20041101	BRAD Version 0.1.0
BRAD for Upstream Standards Demand & Supply Signals	20050407	BMS Release Version 2.0.2 and BMS Document Version 0.1.13
BMS Common Library	20081201	BMS Release 2.5.0

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
18 – Mar-2005	0.1.3	Maria Victoria Caro	Adjustments on the text according to resolutions on the comments received during the public review. Closed and approved initial 14 comments.	View Summary of Changes section 1.10	
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	<p>Activity Diagram 1.3.4 Removed reference to ARA.</p> <p>Class Diagram 1.5.3 Fixed typos in notes resposneStatus - s/b responseStatus ammended value - s/b amended value Modificaiton - s/b Modification</p> <p>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.</p> <p>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</p>	MDL P4CL: 6352 BSD P4CL: 6359

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
31- May- 2005	0.1.6	John Ryu	Incorporation of ITRG comments	Referenced common library version in BSD. Added another business document example in section 1.6 and inserted new definition for substitute Item Identification as "Identifies the original GTIN of the substituted item." Updated Data Description and GDD to reflect ITRG comments.	BSD P4CL: 6739
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

Disclaimer

Whilst every effort has been made to ensure that the guidelines to use the GS1 standards contained in the document are correct, GS1 and any other party involved in the creation of the document HEREBY STATE that the document is provided without warranty, either expressed or implied, of accuracy or fitness for purpose, AND HEREBY DISCLAIM any liability, direct or indirect, for damages or loss relating to the use of the document. The document may be modified, subject to developments in technology, changes to the standards, or new legal requirements. Several products and company names mentioned herein may be trademarks and/or registered trademarks of their respective companies.

Table of Contents

1. Business Domain View	6
1.1. Problem Statement / Business Need	6
1.2. Objective.....	6
1.3. Audience.....	6
1.4. References	6
1.5. Acknowledgements	6
1.5.1. eCom BRG	6
1.5.2. Design Team Members	10
2. Business Context	10
3. Additional Technical Requirements Analysis.....	10
3.1. Technical Requirements.....	10
4. Business Transaction View	10
4.1. Business Transaction Use Case Diagram	10
4.2. Use Case Description.....	11
4.3. Business Transaction Activity Diagram.....	12
4.4. Business Transaction Sequence Diagram	12
5. Information Model (Including GDD Report)	13
5.1. GDD Order Response	13
5.2. Class Diagrams	16
5.3. Code Lists.....	16
6. Business Document Example	16
6.1. Example A	16
6.2. Example B	17
6.3. Example C	17
6.4. Example D	17
7. Implementation Considerations.....	17
8. Testing.....	17
8.1. Pass / Fail Criteria	17
8.2. Test Data	18
8.2.1. Example A	18
8.2.2. Example B	18
8.2.3. Example C	19
8.2.4. Example D	19
9. Appendices	20
10. Summary of Changes.....	20

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 2.5.0

1.5. Acknowledgements

1.5.1. eCom BRG

First Name	Last Name	Company
Ryohei	Ariga	Procter & Gamble Co. (Japan)
Alison	Bartlet	Commport Communications Int'l Inc.
Lorraine	Bartrop	Whitbread Group, PLC
Martin	Beno	GS1 Slovakia
Mike	Blank	3663 First for Foodservice
Kyra	Blankenstein	GS1 Netherlands

First Name	Last Name	Company
Zsolt	Bócsi	GS1 Hungary
Shaun	Bosson	GS1 New Zealand
Dave	Botherway	Melbourne PC User Group
Miriam	Burke	Procter & Gamble Co.
Jean-Luc	Champion	GS1 Global Office
Richard	Chresta	GS1 Switzerland
Fatou	COULIBALY	GS1 France
Troy	Denyer	GS1 Australia
Arne	Dicks	GS1 Germany
Marilyn	Dodd	3M Company
John	Duker	Procter & Gamble Co.
Karina	Duvinger	GS1 Sweden
Carol	Edison	General Mills, Inc.
Hussam	El-Leithy	RosettaNet
Chris	Emment	Brakes Food Service
Karen	Feiling	GS1 South Africa
Brian	Finale	UPS
Klaus	Foerderer	GS1 Germany
David	Freedman	Inovis Inc. (US)
Joel	Goldberg	Rosenthal & Rosenthal, Inc.
Anders	Grangard	GS1 Global Office
Sara	Halfmann	Best Buy Co., Inc.
John	Hervey	NACS/PCATS
Douglas	Hill	GS1 Denmark
Rob	Hoffman	Hershey Company (The)
Norbert	Horst	GS1 Germany
Sandra	Hurd	CIT Group (The)
Mark	Ingram	Anheuser Busch
Coen	Janssen	GS1 Netherlands
Jim	Jennings	Procter & Gamble Co.
Tan	Jin Soon	GS1 Singapore
Fred	Kempkes	Unilever N.V.
Atsushi	Koizumi	Ajinomoto Co., Inc.
Vladimir	Kozovic	GS1 Serbia

First Name	Last Name	Company
Anne-Claire	Krid	GS1 France
Priya	Kunthasami	GS1 New Zealand
CHRISTIAN	LAPORTE	GAZ DE FRANCE
Rita	Laur	GS1 Canada
Sophie	Le Pallec	GS1 France
Guillaume	Lecomte	Firmenich
Sean	Lockhead	GS1 Global Office
Bill	Lohse	Data-Tronics Corporation
Ana Paula	Maniero	GS1 Brasil
Eric	Maree	Accenture Supply Chain Services
Michal	Martinko	Hewlett-Packard
Robert	McHugh	Menlo Worldwide
John	Meier	Giant Food Stores, Inc.
Jeff	Melcher	Army & Air Force Exchange Service
Juan	Mengide	GS1 Argentina
Cyndi	Metallo	Gladson Interactive
James	Morrison	Whirlpool Corporation
Dana	Morton	FedEx
Hirokazu	Nagai	Japan Pallet Rental Corporation
Frank	Napoli	LMI
Corinne	Narbaïts-Jauréguy	GS1 France
Eileen	Naused	McCormick & Company, Inc.
Debra	Noyes	Johnsonville Sausage, Inc
Hideaki	Ohata	Nomura Research Institute, Ltd
Mike	Osiecki	Best Buy Co., Inc.
Phil	Oxley	Compass Group, UK and Ireland Ltd
Esther	Peelen	GS1 Netherlands
Steven	Pereira	GS1 Australia
Uxio	Perez Rodriguez	TLR Soft
Marie	Perry	Coca-Cola Enterprises
Joao	Picoito	GS1 Portugal
Leon	Plaksin	GS1 Australia
Valerie	Post	Link Snacks Inc, Jack Links Beef Jerky
Natascha	Pottier	GS1 France

First Name	Last Name	Company
Joerg	Pretzel	GS1 Germany
Rich	Richardson	GS1 US
Steven	Robba	Johnson & Johnson
Pere	Rosell	GS1 Spain
Steven	Rosenberg	GS1 US
Steve	Rowland	GS1 New Zealand
John	Ryu	GS1 Global Office
Hugo	Sabogal	GS1 Colombia
Akikazu	Sato	Kao Corporation
Kazuya	Sato	GS1 Japan
Sue	Schmid	GS1 Australia
Christian	Schneider	GS1 Switzerland
Jon	Sharratt	Target Corporation
Jeanne	Shavlik-Bork	Kimberly-Clark Corporation
Mary	Shaw	IDEA (Canada)
Emilie	SION	GS1 France
Matthew	Smith	Bunnings Group Limited
Stef	Spaan	GS1 Netherlands
Roman	Strand	GS1 Germany
Gina	Tomassi	PepsiCo
Dale	Turner	MediaLibrary Pty Ltd
Monica	Van Haren	Mars, Inc.
Krisztina	Vatai	GS1 Hungary
Claude	Viman	Johnson & Johnson
Akihiro	Watanabe	Izumiya Co., LTD
Shan	Welch	GS1 UK
Jan	Westerkamp	GS1 Netherlands
Bekki	Windsperger	Best Buy Co., Inc.
Chi-Wei	Yang	UPS
Marc	Yarbrough	Cadbury plc - North America
Greg	Zwanziger	SUPERVALU

1.5.2. Design Team Members

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

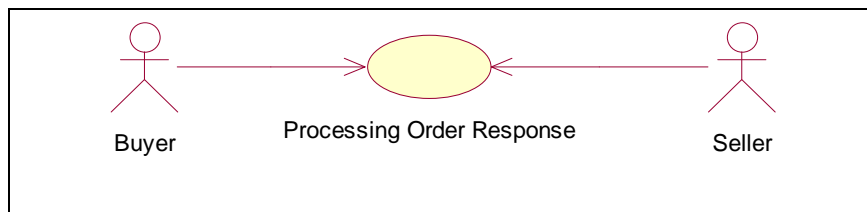
3.1. Technical Requirements

Not Applicable

4. Business Transaction View

4.1. Business Transaction Use Case Diagram

Figure 4-1 Processing Order Response Use Case Diagram



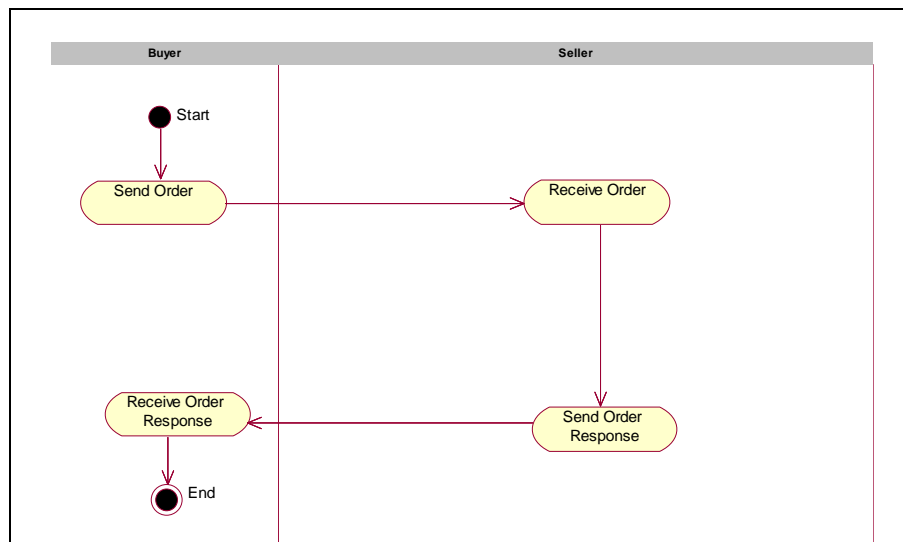
4.2. Use Case Description

Use Case ID	UC-1												
Use Case Name	Processing Order Response												
Use Case Description	<p>The seller needs to inform the buyer about the:</p> <ul style="list-style-type: none">Acceptance of the entire order as transmitted.The acceptance of the order with modifications on items (substitutes), quantities, prices and/or dates with modification reason.Rejection of the entire order with rejection reason.												
Actors (Goal)	<p>Buyer (Process Order Response)</p> <p>Seller (Process Order Response)</p>												
Performance Goals	None												
Preconditions	<p>The following information should be pre aligned:</p> <ul style="list-style-type: none">Master Data AlignmentA trading partner agreement is in place that identifies pre-agreed product substitution.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 BuyerThe Seller has received the Order from the Buyer												
Post conditions	<ul style="list-style-type: none">Acceptance of the entire order as transmitted :<ul style="list-style-type: none">Buyer – Knows that the order has been accepted and has received an Order ResponseSeller – Has agreed to fulfil the order in fullAcceptance of the order with modifications :<ul style="list-style-type: none">Buyer – Knows that the order has been accepted and has received an Order Response.Seller – Has agreed to fulfil the order with modifications on items (substitutes), quantities, prices and/or dates with modification reasonRejection of the entire order.<ul style="list-style-type: none">Buyer – Knows that the order has been rejected and has received an Order ResponseSeller – Has rejected the order in full with rejection reason												
Scenario	<p>Begins when the seller receives an order from the buyer</p> <p>Continues with...</p> <table><tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr><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">to accept the order with modifications on items (substitutes), quantities, prices and/or dates with modification reasonwhether to reject the entire order with rejection reason</td></tr><tr><td>3</td><td>Seller</td><td>Sends an Order Response</td></tr></table> <p>Ends when 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">to accept the order with modifications on items (substitutes), quantities, prices and/or dates with modification reasonwhether to reject the entire order with rejection reason	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">to accept the order with modifications on items (substitutes), quantities, prices and/or dates with modification reasonwhether to reject the entire order with rejection reason											
3	Seller	Sends an Order Response											
Alternative Scenario	None												

Related Requirements	<i>None</i>	
Related Rules	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 substituteTradeItemClass. 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.				
			Allowance Charge	Order Modification. Association. Allowance Charge	Provide the ability to share details regarding the allowance and charges.	0..*		CR8-9	
		amendedDateValue	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 destination.	0..1	Date Time. Content Date Time. Format. Text	CR7-338	
	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	Code. Content	CR7-338	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
	orderResponseReasonCode			Order Modification Line Item Level. Error 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..*	Code. Content	BR# 2 BRAD Order Response Document and Reason Code Version 0.0.2	Facets constrained by code list values
			Allowance Charge	Order Modification Line Item Level. Association. Allowance Charge	Provide the ability to share details regarding the allowance and charges.	0..*		CR8-9	
			Shipment Detail	Order Modification Line Item Level. Association. Multi Shipment_ Purchase Order Sub Line	Contains any additional shipment detail information.	0..*		CR8-53	
		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	TradeItem Identification	Order Modification Line Item Level. Association. Trade Item Identification	Identifies the substitute with the Global Trade Item Number.	0..1		BRD for UK Food Service Ordering 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..*	Code. Content	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	Amount. Content Amount Currency. Code List Version. Identifier	CR8-008	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
	totalTax			Order Response.Total Tax.Amount	The total tax amount of the Order	0..1	Amount. Content Amount Currency. Code List Version. Identifier	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 buyer.	1..1		BRD for UK Food Service Ordering BRD Version 0.8 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	

The seller has modified the order. It will be delivered the 10th 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 4th 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 10th 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 3rd 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 12th of September 2004 and was requested to be delivered on the 30th 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 15th 2004 at 08:00 AM.

7. Implementation Considerations

Not applicable

8. Testing

8.1. Pass / Fail Criteria

Not Applicable

8.2. Test Data

8.2.1. Example A

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

8.2.2. Example B

OrderResponse	
Response Document	
Response Status Type	ACCEPTED
Creation Date Time	2004 – 02 -10 08:00
documentStatus	ORIGINAL
Response Identification – Entity Identification	
Response Identification – Entity Identification	

OrderResponse	
Unique Creator Identification	OR 002760
Content Owner	4098765000010
Response to Original Document - Reference Document	
Reference Document Type	35
Reference Identification	PO022214
Party Information	
Seller (GLN)	4098765000010
Buyer (GLN)	5412345000013

8.2.3. Example C

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

8.2.4. Example D

OrderResponse	
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 Identification	
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
<p>Created ResponseDocument class which includes.</p> <p>ResponseStatusType</p> <p>ResponseIdentification</p> <p>Information on (responseToOriginalDocument)</p> <p>ReferenceDocumentType</p> <p>ReferenceIdentification</p> <p>ReferenceDateTime[0..1]</p> <p>Updated activity and use case diagram to reflect change in BSD title.</p>	V0.1.2	
<p>Update text according to the resolution on the first 14 comments received during the public review period:</p> <ul style="list-style-type: none"> - Clarification on possible modifications - Typos - Better wording in Use Case Description - Include Related Rules information in the Use Case Description. 	V 0.1.3	

Change	BSD Version	Associated CR Number						
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							
<div>Class Diagram:</div> <div>OrderResponse Added attribute orderResponseReasonCode[0..*]:ErrorOrWarningList</div> <div>OrderModificationLineItemLevel Added attribute orderResponseReasonCode[0..*]:ErrorOrWarningList</div> <div>ResponseDocument Removed attribute creationDateTime:DateTime Added gerneralisation to Document</div> <div>ErrorOrWarningList Added</div> <div><table><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></div>	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								
Update to BSM template Version 1.8	0.2.1							
<div>Updated for BMS Release 2.4.0 to complete the Order Suite. This allows the order response functionality for the three order types.</div> <div><ul style="list-style-type: none">OrderMulti Shipment OrderConfigure to Order</div> <div>No updates to UML or GDD.</div> <div>Updated document to reference BMS Release 2.4.0</div>	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						

Change	BSD Version	Associated CR Number
<p>Class: Order Modification Line Item Level</p> <p>Added attributes (07-338)</p> <p>lineItemChangeIndicator[0..1]:ResponseStatusList</p> <p>deliveryDateTime[0..1]:DateTime</p> <p>Added Association (08-009)</p> <p>OrderModificationLineItemLevel+(0..*) to AllowanceCharge</p> <p>OrderModification+(0..*) to AllowanceCharge</p> <p>Class: Order Response</p> <p>Added attributes (08-008)</p> <p>totalMonetaryAmountOfOrderExcludingTaxes[0..1] : Amount</p> <p>totalTax[0..1]:Amount</p> <p>Added Association (08-053)</p> <p>OrderModificationLineItemLevel+(0..*) to ShipmentDetail</p> <p>(08-209)</p> <p>Response Document structure has been changed for backward compatibility rules. Please refer to common library 2.5.0</p> <p>(08-009)</p> <p>Note code value addition for Allowance Charge list. Please refer to common library 2.5.0</p>	0.4.0	07-338 08-009 08-008 08-053 08-209
<p>For BMS Release 2.5.0</p> <ul style="list-style-type: none"> ■ Prep document for public review on 01-Dec-2008 ■ Remove Code Lists & Add notes to reference Common Library BMS for Code Lists and Common Information. 	0.4.1	Not Applicable
<p>For BMS Release 2.5.0</p> <ul style="list-style-type: none"> • eBallot Approved, Updated BMS to 'Approved' Status • Update version to 'Issue' 	Issue 0.4.1	Not Applicable