Business Message Standard (BMS) Receiving Advice

BMS Release: 3.0.0, BRG Name: eCom

Issue 5.0.0, 13-Jan-2012

Document Summary

Document Item	Current Value
Document Title	Business Message Standard (BMS)
BMS Name	Receiving Advice
BMS Release	3.0.0
BRG Name	eCom
Document Number	Issue 5.0.0
Date Last Modified	13-Jan-2012
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):
15-Oct-2009	GS1 Australia, GS1 Germany, GS1 Netherlands	09-000240
15-Oct-2009	GS1 Australia, GS1 Germany, GS1 Netherlands	09-000239
15-Oct-2009	GS1 Australia, GS1 Germany, GS1 Netherlands	09-000238
15-Oct-2009	GS1 Australia, GS1 Germany, GS1 Netherlands	09-000236
20- Aug-2008	John Ryu, GS1	08-000209
29- Aug- 2007	Juan Francisco, Zurita Duque, Novozymes A/S	07-000408
05-Nov-2008	GS1	04-000211

Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Upstream Standards – Despatch, Receipt & Consumption	29-Nov-2004	0.1.1
BRD Receiving Advice – Business Requirement Document	10-Dec-2004	2.1.1
BRAD for Current Requirements Queue (Major Release 3)	23-Nov-2010	0.2.0

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
13-Jan-2012	5.0.0	Mark Van Eeghem	BMS Release 3.0.0 Publication	Noted in Summary of Changes	Not Applicable

All contents copyright © GS1

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, REGARDING ANY MATTER, INCLUDING BUT NOT LIMITED TO THE OF ACCURACY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND HEREBY DISCLAIM ANY AND ALL LIABILITY, DIRECT OR INDIRECT, FOR ANY DAMAGES OR LOSS RELATING TO OR RESULTING FROM 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. GS1 IS A REGISTERED TRADEMARK OF GS1 AISBL

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 7
1.5.1. Work Group 7
1.5.2. Design Team Members 9

2. Business Context 9

3. Additional Technical Requirements Analysis 9
3.1. Technical Requirements (optional) 9

4. Business Transaction View 10
4.1. Business Transaction RECEIVING ADVICE 10
4.1.1. Business Transaction Use Case Diagram 10
4.1.2. Use Case Description 10
4.1.3. Business Transaction Activity Diagram(s) 11
4.1.4. Business Transaction Sequence Diagram(s) 12
4.2. Business Transaction RECEIPT NOTIFICATION 12
4.2.1. Business Transaction Use Case Diagram 12
4.2.2. Use Case Description 13

5. Information Model (Including GDD Report) 14
5.1. GDD Receiving Advice 14
5.2. GDD Receiving Advice Line Item 16
5.3. GDD Receiving Condition Information 18
5.4. GDD Receiving Advice Logistic Unit 18
5.5. Class Diagram Receiving Advice 19
5.6. Class Diagram Receiving Advice Line Item 20
5.7. Class Diagram Receiving Advice Logistic unit 21
5.8. Code Lists 22

6. Business Document Example 22

7. Implementation Considerations 23

8. Testing 23
8.1. Pass / Fail Criteria 23
8.2. Test Data 23

9. Appendices 23

10. Adherence to Architectural Principles 24

 All contents copyright © GS1

11. Summary of Changes 26

All contents copyright © GS1

1. Business Domain View

1.1. Problem Statement / Business Need

The business process of shipping and receiving requires the actors in this process to share information regarding goods shipped and goods received. The Receiving Advice is developed to provide the receiver of the shipment the capability to inform the shipper of actual goods received, compared to what was advised as being sent. Typical business uses of the receipt information can include – updating of inventory, identifying shipping discrepancies, and adjusting orders and related invoicing.

The Receiving Advice should have the capability to link to the information that makes up a Despatch Advice or Shipping Document, which provides detailed information about the con-tent of a shipment of goods from the Shipper to the Receiver. With the capability of this link comes the ability to compare exactly what was received to what was indicated as sent on the Despatch Advice or Shipping Document. The established link between receipt and despatch information enables the comparison and in turn allows the Receiving Advice to contain a range of comparison information, from general to specific.

1.2. Objective

The objective of the Receiving Advice is to satisfy the business need as stated in section 1.1 above as well as to provide a format that is flexible to serve the actors' process goals based on trading partner agreements.

For example, the Receiving Advice can be used in correlation with the Despatch Advice or other shipment documentation to:

- Provide a simple acknowledgment that goods have been received
- Provide a detailed verification of actual goods received
- Provide notification of exceptions between shipment documentation (e.g. Despatch Advice and BOL) and actual receipts

1.3. Audience

Retailers, manufacturers, warehouses, material suppliers and any other third party such as a logistic service or 3PL provider involved in the despatch and receipt of goods.

1.4. References

Reference Name	Description
BMS eCom Domain Common Library Release 3.0.0	The documented design of components that are used in multiple messages within the eCom Domain.
BMS Shared Common Library Release 3.0.0	The documented design of components that are used in multiple messages within both GDSN and the eCom Domain.
BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1	
BRAD Receiving Advice 2.1.1	

All contents copyright © GS1

Reference Name	Description
Business Requirements Analysis document (BRAD) for Current Requirements Queue (Major Release 3)	This BRAD is used to consolidate a list of requirements that have been submitted and approved by the eCom BRG as individual change requests. As such, each change request may have a different business justification as described by the original submitter. These change requests are listed in the "Change Request Reference" section.

1.5. Acknowledgements

1.5.1. Work Group

Function	Name	Company / organisation
Chair eCom BRG	Edison, Carol	General Mills, Inc.
Chair MR3 subteam	Spaan, Stef	GS1 Netherlands
Member	Backert, Veronique	Dilicom
Member	Blankenstein, Kyra	GS1 Netherlands
Member	Bradley, Ardetha	Georgia Pacific
Member	Burke, Miriam	Procter & Gamble Co.
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
Member	Duvinger, Karina	GS1 Sweden
Member	Earleywine, Sarah	IDEA (US)
Member	Fedoseev, Sergey	GS1 Russia
Member	Foerderer, Klaus	GS1 Germany
Member	Foxvog, Douglas	DERI, National Univ. of Ireland
Member	Fransen, Wim	EskoArtwork
Member	Gathmann, Stefan	GS1 Ireland
Member	Gilbert, Jean-Christophe	GS1 France
Member	Grangard, Anders	GS1 Global Office
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

All contents copyright © GS1

Function	Name	Company / organisation
Member	Joest, Holger	SA2 Worldsync GmbH
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.
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

All contents copyright © GS1

Function	Name	Company / organisation
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
Member	Windsperger, Bekki	Best Buy Co., Inc.

1.5.2. Design Team Members

Function	Name	Organisation
Modeller	Eric Kauz / Coen Janssen / Mark van Eeghem	GS1 Global Office
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	Global
Product	All
Process	Deliver
Official Constraints	None
Roles	Shipper, Ship From, Receiver, Ship To
System Capabilities	GS1 System, EANCOM, XML

3. Additional Technical Requirements Analysis

3.1. Technical Requirements (optional)

Not Applicable

All contents copyright © GS1

4. Business Transaction View

4.1. Business Transaction RECEIVING ADVICE

When the Receiver receives a shipment of goods from the Shipper, the Receiver compares the received goods to what was advised as despatched on the despatch advice or shipping documents, and creates and sends a Receiving Advice. The Receiver has the following options to choose from regarding what the Receiving Advice may contain:

- **Full** – details- Includes qualitative and/or quantitative details regarding everything received (all line items) whether or not there were exceptions between what was received and what was advised as being sent.
- **Exceptions** – Includes only qualitative and/or quantitative exceptions between what was received and what was advised as being sent.
- **Confirmation** – The acceptance of the receipt of goods.

4.1.1. Business Transaction Use Case Diagram

Not Applicable

4.1.2. Use Case Description

<table>
<tr><td>Use Case ID</td><td></td></tr>
<tr><td>Use Case Name</td><td>Create and Send Receiving Advice</td></tr>
<tr><td>Use Case Description</td><td>Describes a complete process whereby a Receiver generates a Receiving Advice based on information gained from received goods and physical or electronic documents from a Shipper.</td></tr>
<tr><td>Actors (Goal)</td><td>Receiver and Shipper</td></tr>
<tr><td>Performance Goals</td><td>None</td></tr>
<tr><td>Preconditions</td><td>Master data alignment of locations (GLNs) and products (GTINs).</td></tr>
<tr><td>Post conditions</td><td>Indication of exceptions, full-detailed comparison or confirmation between goods received and goods advised as despatched.</td></tr>
<tr><td>Scenario</td><td>Begins when:
The Receiver receives a shipment of goods accompanied or preceded by the Despatch Advice or Shipping Documents.
Continues with:
<table>
<tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr>
<tr><td>1.</td><td>Receiver</td><td>Sends Receiving Advice message to the Shipper</td></tr>
<tr><td>2.</td><td>Shipper</td><td>Receives Receiving Advice Message</td></tr>
</table>
Ends when:
Receiver compares the received goods (as well as qualitative properties) to what was advised as being sent on the despatch advice or shipping documents.</td></tr>
<tr><td>Alternative Scenario</td><td>Not Applicable</td></tr>
</table>

All contents copyright © GS1

Business Transaction Rules	1.	Receiving Advice will include full details OR exceptions OR a confirmation of the received goods compared to what was adviced as being despatched on the despatch advice or shipping documents

4.1.3. Business Transaction Activity Diagram(s)

Figure 4-1 Activity Diagram: Process Receiving Advice

All contents copyright © GS1

4.1.4. Business Transaction Sequence Diagram(s)

Figure 4-2 Sequence Diagram: Process Receiving Advice

4.2. Business Transaction RECEIPT NOTIFICATION

4.2.1. Business Transaction Use Case Diagram

Figure 4-3 Use Case Diagram: Business Transaction

All contents copyright © GS1

4.2.2. Use Case Description

<table>
<tr><td>Use Case ID</td><td>BTD2</td></tr>
<tr><td>Use Case Name</td><td>Receipt Notification</td></tr>
<tr><td>Use Case Description</td><td>Describes the receipt notification process.</td></tr>
<tr><td>Actors (Goal)</td><td>Receiver: To inform the Shipper about the contents of a received shipment.
Shipper: To be informed about the contents and conditions of the shipment at arrival at the destination.</td></tr>
<tr><td>Performance Goals</td><td>The receipt notification must be sent shortly after the receipt of the shipment in order to avoid invoicing errors.</td></tr>
<tr><td>Preconditions</td><td>GOODS: RECEIVED, COUNTED AND CHECKED
DISPATCH NOTIFICATION: RECEIVED (BY RECEIVER)</td></tr>
<tr><td>Post conditions</td><td>RECEIPT NOTIFICATION: RECEIVED (BY SHIPPER)</td></tr>
<tr><td>Scenario</td><td>Begins when:
Continues with:
<table>
<tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr>
<tr><td>2.</td><td>Receiver</td><td>Sends Receiving Advice to the Ship From party.</td></tr>
<tr><td>3.</td><td>Shipper</td><td>Receives the Receiving Advice.</td></tr>
</table>
Ends when:</td></tr>
<tr><td>Alternative Scenario</td><td>Not Applicable</td></tr>
<tr><td>Business Transaction Rules</td><td>Not Applicable</td></tr>
</table>

All contents copyright © GS1

5. Information Model (Including GDD Report)

5.1. GDD Receiving Advice

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ReceivingAdvice				The Receiving Advice enables the receiver of the shipment to inform the shipper on the actual goods received, compared to what was advised as being sent.	
Association	shipTo	TransactionalParty	0..1	Identification of the location to where goods will be or have been shipped.	
Association	carrier	TransactionalParty	0..1	Uniquely identifies the entity that transports the shipment.	
Association	billOfLadingNumber	DocumentReference	0..1	Contains a reference to the bill of lading that accompanied the received goods.	
Association	shipper	TransactionalParty	1..1	A party who engages in shipping goods. In a commercial scenario this would be the supplier.	
Association	despatchAdvice	DocumentReference	0..1	Contains the reference to the despatch advice message to which the information in the receiving advice refers.	
Association		ReceivingAdviceLogisticUnit	0..*	Contains detailed information about the received logistic units.	
Association	inventoryLocation	TransactionalParty	0..1	Identification of the location where the goods will be or have been stored.	
Association	receivingAdviceIdentification	EntityIdentification	1..1	Contains the unique identifier of the business document.	
Association	receiver	TransactionalParty	1..1	A party who engages in receiving goods. In a commercial scenario this would be the customer.	

All contents copyright © GS1

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	shipFrom	TransactionalParty	0..1	Identification of the location from where goods will be or have been shipped.	
Association	purchaseOrder	DocumentReference	0..1	Reference to the business document that triggered the delivery of the goods.	BRAD RQ 09.239
Association		ShipmentIdentification	0..1	Number that identifies the shipment.	
Association		ConsignmentIdentification	0..1	Number that identifies the consignment. (In case consignment consists of one shipment, it coincides with the shipment number).The Consignment Number, AI (401), is allocated by a freight forwarder, (or a carriers acting as a freight forwarder), or a consignor, but only if the prior agreement of the freight forwarder is given.	
Generalization		Document		Basic information about the content of the message including version number, creation date and time.	
Attribute	receivingDateTime	dateTime	1..1	Contains the date and time the goods were actually received.	
Attribute	reportingCode	GoodsReceiptReportingCode	1..1	Contains the type of receipt notification that is being communicated: partial or full.	
Attribute	despatchAdviceDeliveryDateTime	dateTime	0..1	Contains the planned delivery date time that was communicated in the despatch advice.	
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

All contents copyright © GS1

5.2. GDD Receiving Advice Line Item

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ReceivingAdviceLineItem				Contains detailed information about the received goods.	MR3 renamed
Association		ReceivingConditionInformation	0..*	Contains information about the state of the received goods, such as discrepancies, quality issues, surpluses, ….	
Association	requestedItemIdentification	TradeItemIdentification	0..1		
Association	purchaseConditions	DocumentReference	0..1	Reference to the business document that describes the commercial conditions under which the goods are delivered.	
Association		ConsignmentIdentification	0..1		
Association	despatchAdvice	DocumentReference	0..1	Contains the reference to the despatch advice line to which the information in the receiving advice line item refers	
Association	deliveryNote	DocumentReference	0..1	Reference to the physical document that accompanies the delivered goods.	
Association	purchaseOrder	DocumentReference	0..1	Reference to the business document that triggered the delivery of the goods.	BRAD RQ 09.239 (was present in 2.5 already)
Association	contract	DocumentReference	0..1	Reference to the contractual agreement under which the goods are delivered.	
Association		TransactionalTradeItem	1..1		
Association	promotionalDeal	DocumentReference	0..1	Reference to a number assigned by a vendor to a special promotion activity.	
Association	customerReference	DocumentReference	0..1	Reference to the end customer that will receive the goods.	MR3 renamed from customer

All contents copyright © GS1

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	specification	DocumentReference	0..1	An essential technical requirement for items, materials or services, including the procedures to be used to determine whether the requirement has been met. Specifications may also include requirements for preservation, packaging, packing, and marking.	
Association	productCertification	DocumentReference	0..1	Reference to a number assigned by a governing body (or their agents) to a product which certifies compliance with a standard.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Receiving Advice Line Item.	
Attribute	quantityAccepted	Quantity	1..1	Number of units accepted.	
Attribute	quantityReceived	Quantity	1..1	Number of units received.	
Attribute	quantityDespatched	Quantity	0..1	Number of units despatched.	
Attribute	extension	extension	0..1	Extension point for inclusion of context specific information, such as information specific to a particular type of product. Example: Extension for meat products.	
Attribute	note	Description500	0..1	Free text used to convey information that is not processed by applications. Only meant to present the informtion to a user as on a screen, in a browser, etc.	BRAD RQ 09.236.F

All contents copyright © GS1

5.3. GDD Receiving Condition Information

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ReceivingConditionInformation				Contains information about the state of the received goods, such as discrepancies, quality issues, surpluses, ….	
Attribute	receivingConditionCode	ReceivingConditionCode	1..1	Contains a code that specifies the condition of the received goods.	
Attribute	receivingCondition Quantity	Quantity	1..1	Specification of discrepancies between quantity accepted, quantity received, quantity despatched	

5.4. GDD Receiving Advice Logistic Unit

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ReceivingAdviceLogisticUnit				Contains detailed information about the received logistic units.	MR3 renamed
Generalization		LogisticUnits			
Association		ReceivingAdviceLineItem	0..*	Contains detailed information about the received goods.	

All contents copyright © GS1

5.5. Class Diagram Receiving Advice

Figure 5-1 Class Diagram: Receiving Advice

Note: Reference Shared Common Library BMS Release 3.0.0 and eCom domain Common Library BMS Release 3.0.0 for common information.

All contents copyright © GS1

5.6. Class Diagram Receiving Advice Line Item

Figure 5-2 Class Diagram: Receiving Advice Line Item

Note: Reference Shared Common Library BMS Release 3.0.0 and eCom domain Common Library BMS Release 3.0.0 for common information.

All contents copyright © GS1

5.7. Class Diagram Receiving Advice Logistic unit

Figure 5-3 Class Diagram: Receiving Advice Logistic unit

Note: Reference Shared Common Library BMS Release 3.0.0 and eCom domain Common Library BMS Release 3.0.0 for common information.

All contents copyright © GS1

5.8. Code Lists

Note: Reference Shared Common Library BMS Release 3.0.0 and eCom domain Common Library BMS Release 3.0.0 for complete code lists.

6. Business Document Example

The following is an example of a receiving advice message. The message is sent out on February 9th 2011 at 11 AM, for goods received on February 8th at 4PM. The message is identified with the unique identifier 2005001. The content owner is the sending party, in this case the manufacturer (Receiver 8712345678913).

The receiving advice is sent by the manufacturer (Receiver 8712345678913) to the material supplier (Shipper 8812345678903).

The reported receipt consists of ……..

ReceivingAdvice	
receivingDateTime	2011-02-08T16:00:00
reportingCode	FULL_DETAILS
Document	
creationDateTime	2011-02-09T11:00:00
documentStatusCode	ORIGINAL
EntityIdentification (+receivingAdviceIdentification)	
entityIdentification	2005001
PartyIdentification (+contentOwner)	
gln	8712345678913
TransactionalPartyIdentification (+shipper)	
gln	8812345678903
TransactionalPartyIdentification (+receiver)	
gln	8712345678913
TransactionalPartyIdentification (+shipTo)	
gln	8712345678920
DocumentReference (+despatchAdvice)	
EntityIdentification	
entityIdentification	2004000012
PartyIdentification (+contentOwner)	
gln	8812345678903
ReceivingAdviceLogisticUnit	
LogisticUnits	
packageType	PE (pallet, modular)
LogisticUnitIdentification	

 All contents copyright © GS1

ReceivingAdvice	
sscc	881234567000010112
ReceivingAdviceLineItem	
lineItemNumber	1
quantityReceived	90.50 KGM
quantityAccepted	50 KGM
quantityDespatched	100.50 KGM
TradeItemIdentification (+requestedItemIdentification)	
gtin	08712345678906
DocumentReference (+despatchAdvice)	
lineItemNumber	23
ReceivingConditionInformation	
receivingConditionCode	DAMAGED_PRODUCT_OR_CONTAINER
receivingConditionQuantity	40.50 KGM
ReceivingConditionInformation	
receivingConditionCode	GOOD_CONDITION
receivingConditionQuantity	50 KGM
ReceivingConditionInformation	
receivingConditionCode	QUANTITY_SHORT
receivingConditionQuantity	10 KGM

7. Implementation Considerations

Not Applicable

8. Testing

8.1. Pass / Fail Criteria

Not Applicable

8.2. Test Data

Not Applicable

9. Appendices

Not Applicable

All contents copyright © GS1

10. Adherence to Architectural Principles

#	AG Principle	Brad Adherence Statement	Does BRAD Adhere?	Comment
2.1	The GS1 Architecture shall be fully aligned to GS1 Strategy, Vision, & Mission	The requirements in the BRAD are aligned with the business problem as defined in the CR and BCD.	☒	
2.2	The GS1 Architecture shall leverage the use of GS1 Keys	The requirements in the BRAD maintain the GS1 keys as the primary, mandatory identifiers.	☒	
2.3	The GS1 Architecture shall leverage the common GS1 Global Data Dictionary (GDD)	The requirements in the BRAD do not alter the formats of primary identifiers and comply with data elements as defined in the Global Data Dictionary.	☒	
2.4	The GS1 Architecture shall be forward-looking, provide for migration strategies and backward compatibility, and support adaptable and flexible solutions	The requirements stated in the BRAD are backwards compatible according to the stated scope in the document. The document scope explicitly states whether requirements included in document are backwards compatible. The business requirements take into consideration the potential impact of the standard, especially with respect to implementation and maintenance. Any potential known impact is documented in the BRAD.	☒	
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 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.	☒	
2.6	The GS1 Architecture shall enable security where appropriate	Security enabled requirements are defined in the BRAD when appropriate.	☒	
2.7	The GS1 Architecture shall be consistent	The business requirements contained in the BRAD do 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.	☒	
2.8	The GS1 Architecture shall be royalty-free	This BRAD supports this principal where possible. This requirement could include the use of other standards organizations that may not be royalty free	☒	

All contents copyright © GS1

#	AG Principle	Brad Adherence Statement	Does BRAD Adhere?	Comment
3.1	The GS1 Architecture should promote the achievement of the best overall value at the lowest total cost of ownership	Not applicable to a BRAD. This would be application in the solutions phase.	☒	
3.2	The GS1 Architecture should promote scalability	The business requirements take into consideration the potential scalability of the standard. Any potential known impact to scalability is documented in the BRAD.	☒	`
3.3	The GS1 Architecture should promote seamless integration	The BRAD promotes seamless integration with other GS1 Standards.	☒	
3.4	The GS1 Architecture should promote interoperability and compliance	The business requirements take 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 in the BRAD.	☒	
3.5	The GS1 Architecture should promote simplicity and standard interfaces	The business requirements in the BRAD do 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.	☒	
3.6	The GS1 Architecture should avoid duplication	The business requirements in the BRAD do not create duplications with existing GS1 components. If there are potential duplications, these are documented within the BRAD with a stated rationale for the duplication.	☒	
3.7	The GS1 Architecture should promote technology independence and a layered approach	The business requirements in the BRAD do not impose implicit or explicit restrictions of any technology.	☒	
3.8	The GS1 Architecture should promote global cross-sector definitions and leverage the best of global and the best of local	The business requirements in the BRAD take into account a global perspective. All local (Industry or Geopolitical) requirements have a suitable rationale to explain why they cannot be handled globally. For example, a Boolean indicator of a specific regulation as opposed to a generic code list covering multiple regulations.	☒	
3.9	The GS1 Architecture shall leverage a common strategy for extensibility	This BRAD used consistent and common, extensibility approaches, methodologies and technology where available.	☒	

All contents copyright © GS1

#	AG Principle	Brad Adherence Statement	Does BRAD Adhere?	Comment
4.1	In support of a common GS1 Architecture, GS1 shall leverage work of other standards bodies wherever possible.	This BRAD utilizes works of other standards bodies wherever possible.	☒	
4.2	In support of a common GS1 Architecture, GS1 shall strive to eliminate exceptions and variances wherever possible	Not applicable to a BRAD. This would be applicable in the implementation phase.	☒	

11. Summary of Changes

Change	BMS Version	Associated CR
Added architectural principles section to the document, updated the GDD reports, class diagrams and test data sections to reflect the changes required by the CRQ BRAD and MR3.0	Issue 5.0.0	09-236 09-238 09-239 09-240
BMS Public Review: removed association from ReceivingAdvice to ReceivingAdviceLineItem, in order to have only one path to the line item (via ReceivingAdviceLogisticUnit).	Issue 5.0.0	
BMS Publication: Updated date of document Clean-up of Document Change History Removed year from copyright statement in footer Attribute note in class ReceivingAdvice was missing def in GDD report. Fixed:"Free text used to convey information that is not processed by applications. Only meant to present the informtion to a user as on a screen, in a browser, etc." Was OK in GDD itself. Renamed uniqueCreatorIdentification into entityIdentification in examples Changed lowerCamelCase into lowercase for all GS1 keys in examples	Issue 5.0.0	

All contents copyright © GS1