Business Message Standard (BMS) Goods Requirements Response

BMS Release: 3.0.0, BRG Name: eCom

Issue 1.0.0, 6-Jan-2012

Document Summary

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BMS Name	Goods Requirements Response
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BRG Name	eCom
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Date of CR Submission to GSMP:	CR Submitter(s):	Refer to Change Request (CR) Number(s):
20- Aug- 2008	John Ryu, GS1	08-000209
05-Nov-2004	GS1	04-000211

Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Upstream Standards – Demand & Supply Signals	01-Nov-2004	0.1.0

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
21 November 2011	Issue 1.0.0	Coen Janssen	Editorial changes	Noted in summary of change section	Not Applicable
6 January 2012	Issue 1.0.0	John Ryu	Publication updates	Noted in summary of change section	Not Applicable

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1. Business Domain View

1.1. Problem Statement / Business Need

For some commercial transactions the requesting party requires a formal acknowledgement by the responding party in order to ensure proper and timely processing. The Goods Requirements Response message enables the responding party to communicate his acceptance of the Goods Requirements transaction.

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

- Manufacturers
- Suppliers
- Logistic Service Providers

1.4. References

	Reference Name	Description
[Ref1]	BMS eCom Domain Common Library Release 2.5.0	The documented design of components that are used in multiple messages within the eCom Domain
[Ref2]	BMS Shared Common Library Release 3.0.0	The documented design of components that are used in both the eCom Domain and GDSN
[Ref3]	BRAD Upstream Standards - Demand & Supply Signals 0.1.0	

1.5. Acknowledgements

1.5.1. Work Group

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Member	Laur, Rita	GS1 Canada
Member	Lazarkova, Galya	GS1 Austria
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Member	Post, Valerie	Link Snacks Inc, Jack Links Beef Jerky
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1.5.2. Design Team Members

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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	Plan
System Capabilities	GS1 System
Official Constraints	None

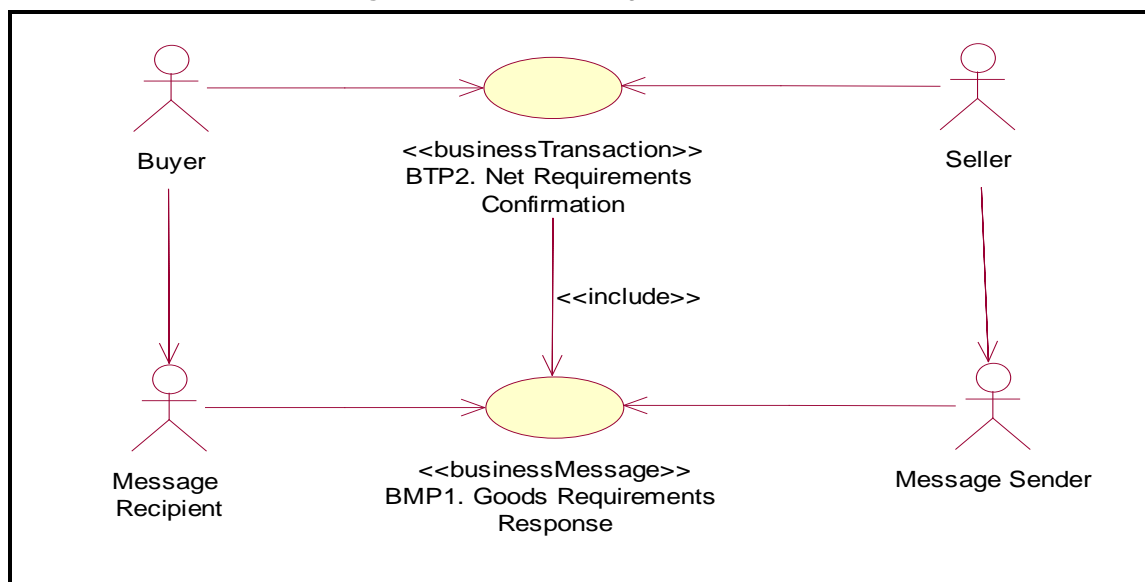# 3. Additional Technical Requirements Analysis

3.1. Technical Requirements

NOT APPLICABLE

4. Business Transaction View

4.1. Business Transaction Use Case Diagram

Figure 4-1 Use Case Diagram: Business Transaction

4.2. Use Case Description

Use Case ID	BTP2
Use Case Name	Net Requirements Confirmation
Use Case Description	The seller confirms that he accepts and will process the net requirements he received from the buyer.
Actors (Goal)	Buyer: To ensure that the net requirements are processed. Seller: To communicate that he will process the net requirements.
Performance Goals	
Preconditions	Net Requirements: COMMUNICATED
Post conditions	Net Requirements: ACCEPTED
Scenario	**Begins when:** Seller receives the Net Requirements from the Buyer. **Continues with**: [activity table below] **Ends when:** buyer receives the Goods Requirements Response
Alternative Scenario	*(any alternatives to the above scenario)* Not Applicable

Step #	Actor	Activity Step
1.	Seller	Sends Goods Requirements Response message to the Buyer.
2.	Buyer	Receives Goods Requirements Response

4.3. Business Transaction Activity Diagram(s)

NOT APPLICABLE

4.4. Business Transaction Sequence Diagram(s)

NOT APPLICABLE

5.   Information Model (Including GDD Report)

5.1.   GDD Report: Goods Requirements Response

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
GoodsRequirementsResponse				Contains the response to the goods requirements message.	
Association	seller	TransactionalParty	1..1	Contains the identification of the party that is selling the goods.	
Association	buyer	TransactionalParty	1..1	Contains the identification of the party that is buying the goods.	
Association	goodsRequirementsResponseIdentification	EntityIdentification	1..1	Contains the unique identifier of the business document.	
Association	goodsRequirements	DocumentReference	1..1	Contains the reference to the goods requirements message.	
Generalization		Document		Basic information about the content of the message including version number, creation date and time.	
Attribute	responseStatusCode	ResponseStatusCode	1..1	Code specifying the type of response. Example: Accepted.	added in MR3 to increase consistency with other response messages.

5.2. Class Diagrams

Figure 5-1 Class Diagram: Goods Requirements Response
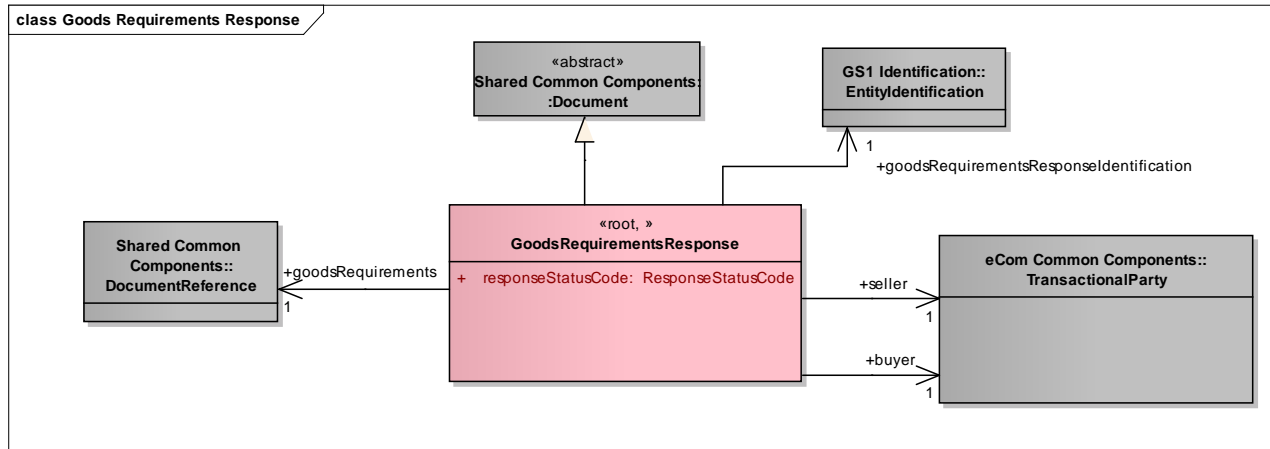
Note: Reference Shared Common Library Business Message (BMS) Release 3.0.0 and eCom Domain Common Library Business Message (BMS) Release 3.0.0 for all common information.

5.3. Code Lists

Note: Reference Shared Common Library Business Message (BMS) Release 3.0.0 and eCom Domain Common Library Business Message (BMS) Release 3.0.0 for all Code Lists

Class	Codelist	Referenced in
GoodsrequirementsResponse	ResponseStatusCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0

6. Business Document Example

The material supplier (seller 8812345678901) sends a response to the manufacturer (buyer 8712345678911) indicating that he has accepted the material requirements that he received from the manufacturer (Material_Requirements 205001).

GoodsRequirementsResponse	
- creationDateTime	2005-01-11T11.01.00
- documentStatusCode	ORIGINAL
- responseStatusCode	ACCEPTED
EntityIdentification (+goodsRequirementsResponseIdentification)	
- entityIdentification	0012
PartyIdentification (+contentOwner)	
- gln	8812345678901

GoodsRequirementsResponse	
TransactionalParty (+seller)	
- gln	8812345678901
TransactionalParty (+buyer)	
- gln	8712345678911
DocumentReference(+goodsRequirements)	
EntityIdentification	
- entityIdentification	2005001
PartyIdentification (+contentOwner)	
- gln	8712345678911

7. Implementation Considerations

NOT APPLICABLE

8. Testing

8.1. Pass / Fail Criteria

NOT APPLICABLE

8.2. Test Data

NOT APPLICABLE

9. Appendices

NOT APPLICABLE

10. Adherence to 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.	☒	
2.2	The GS1 Architecture shall leverage the use of GS1 Keys	The solution maintains the GS1 keys as the primary, mandatory identifiers.	☒	
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.	☒	
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.	☒	
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.	☒	
2.6	The GS1 Architecture shall enable security where appropriate	Security solutions are included where appropriate.	☒	
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.	☒	
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.	☒	
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.	☒	
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.	☒	`
3.3	The GS1 Architecture should promote seamless integration	The BSD promotes seamless integration with other GS1 Standards if in scope.	☒	

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
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.	☒	
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.	☒	
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.	☒	
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.	☒	
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.	☒	
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.	☒	
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.	☒	
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.	☒	

11. Summary of Changes

Change	BMS Version	Associated CR Number
BMS Release 3.0.0: ■ Updated to reflect changes in modelling methodology	Issue 1.0.0	Not applicable
Issue Resolution: ■ Updated to reflect sequencing change	Issue 1.0.0	Not applicable
Peer Review: ■ Added "Not applicable" to use case alternate.	Issue 1.0.0	Not applicable

Change	BMS Version	Associated CR Number
Publication ■ Added copyright R in GS1 logo ■ Changed document status to Approved ■ Removed year reference in footer copyright statement ■ Replaced section 10 with updated AG Principles	Issue 1.0.0	Not Applicable