



Business Message Standard (BMS) Buyer Reconciliation Of Request For Payment

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Document Change History

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January 2, 2002	Issue 1.0.0	Coen Janssen	Publication of BMS release 3.0.0		n/a

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1. Business Domain View

1.1. Problem Statement / Business Need

A new process needs to be developed that allows a buyer to respond to Requests For Payment either submitted individually or assigned to a batch, from a seller. The document reports to the Seller whether or not the Buyer was able to schedule the RFP's for payment through the accounts payable system.

1.2. Objective

To supply the detail design of a Buyer Reconciliation of Request(s) For Payment business transaction needed to meet the requirements of the referenced BRAD(s).

1.3. Audience

The audience for this document are buyer and seller personnel who process payments and responses to payments.

1.4. References

Reference Number	Reference Name	Description
[ref1]	Business Requirements Document For BUYER RECONCILIATION of REQUEST(S) For Payment, Version 1.0.2, 08.07.2004	BRAD
[ref2]	Change Request #01-000018	CR
[ref3]	BMS eCom Domain Common Library	
[ref4]	BMS Shared Common Library	

1.5. Acknowledgements

1.5.1. Work Group

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Member	Lenman, Mia	GS1 Sweden
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Member	Martinko, Michal	Hewlett-Packard
Member	McLeod, Ed	Procter & Gamble Co.
Member	Melcher, Jeff	The Exchange (AAFES)
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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
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Member	Robba, Steven	SA2 Worldsync GmbH
Member	Rosell, Pere	GS1 Spain
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Member	Sharratt, Jon	Target Corporation
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Member	Sobrino, Gabriel	GS1 Netherlands
Member	Strand, Roman	GS1 Germany
Member	Takahashi, Akira	Data Applications Co, Ltd
Member	Tomassi, Gina	PepsiCo, Inc.

Function	Name	Company / organisation
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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	All
Product	All
Process	Pay
System Capabilities	GS1 System
Official Constraints	None

3. Additional Technical Requirements Analysis

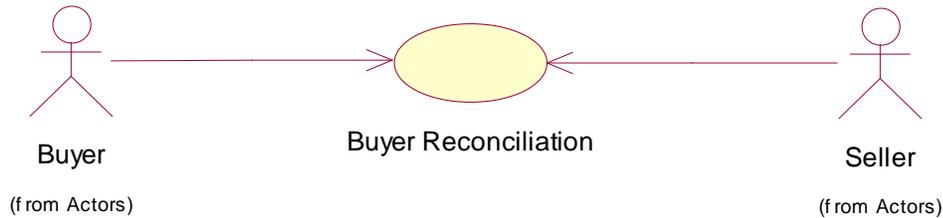
Not Applicable

3.1. Technical Requirements (optional)

Number	Statement	Rationale
	Not Applicable	

4. Business Transaction View

4.1. Business Transaction Use Case Diagram



4.2. Use Case Description

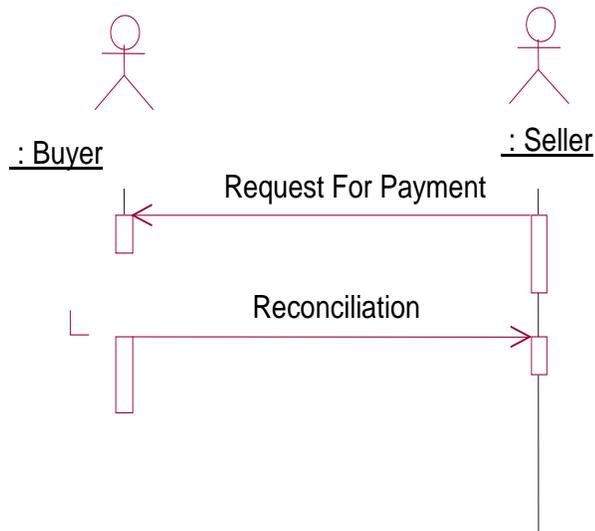
Use Case ID	UC-1												
Use Case Name	Buyer Reconciliation												
Use Case Description	The seller has sent one or more RFP(s) to the buyer. The buyer has agreed to furnish the seller information on the RFP(s) that could or could not be reconciled for payment through the Buyer's payables system. The buyer sends a reconciliation document to the seller. The reconciliation will denote the acceptance of individual RFP(s) or a batch of RFP(s) and flag the status of the process as either accept, accept with errors or reject.												
Actors (Goal)	Buyer and Seller												
Performance Goals													
Preconditions	Both parties have established their trading partner agreement, aligned their data and are capable of sending and receiving transactions.												
Post conditions	<p>Successful End Condition: Successful receipt of data by the seller.</p> <p>Successful End Condition: Unsuccessful receipt of the data by the seller.</p>												
Scenario	<p>Begins when the Seller sends one or more RFP(s) with a batch identifier to the buyer.</p> <p>Continues with... Process Flow: Batch RFP(s)</p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buyer</td> <td>Buyer receives the batch of RFP(s).</td> </tr> <tr> <td>2</td> <td>Buyer</td> <td>Buyer processes the batch of RFP(s).</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>Buyer sends a reconciliation for the batch of RFP's to the seller.</td> </tr> </tbody> </table> <p>Ends when the seller receives a reconciliation document for the RFP(s) from the buyer</p>	Step #	Actor	Activity Step	1	Buyer	Buyer receives the batch of RFP(s).	2	Buyer	Buyer processes the batch of RFP(s).	3	Buyer	Buyer sends a reconciliation for the batch of RFP's to the seller.
Step #	Actor	Activity Step											
1	Buyer	Buyer receives the batch of RFP(s).											
2	Buyer	Buyer processes the batch of RFP(s).											
3	Buyer	Buyer sends a reconciliation for the batch of RFP's to the seller.											

Alternative Scenario	Begins when the Seller sends one or more RFP(s) to the buyer	
	Continues with... Process Flow: Single RFP(s)	
	Step #	Actor Activity Step
	1	Buyer Buyer receives the RFP(s).
2	Buyer Buyer processes the RFP(s).	
3	Buyer Buyer sends a reconciliation of the RFP(s) to the seller	
	Ends when the seller receives a reconciliation document for the RFP(s) from the buyer	
Related Requirements	None	
Related Rules	None	

4.3. Business Transaction Activity Diagram(s)

Not Applicable

4.4. Business Transaction Sequence Diagram(s)



5. Information Model (Including GDD Reports)

5.1. GDD Reports

GDD Report: BuyerReconciliationOfRequestForPayment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
<u>BuyerReconciliationOfRequestForPayment</u>				This message allows a buyer to respond to Requests For Payment either submitted individually or assigned to a batch, from a seller. The document reports to the Seller whether or not the Buyer was able to schedule the RFP's for payment through the accounts payable system.	
Association	buyer	PartyIdentification	1..1	Identifies the party to which products or services are sold.	
Association	seller	PartyIdentification	1..1	Identifies the party which sells products or services to a buyer.	
Association	remitTo	PartyIdentification	0..1	The party (account owner) that receives a payment when such party is not the same as the seller.	
Association	requestForPayment	DocumentReference	1..*	Reference to the Request for Payment documents being reconciled.	

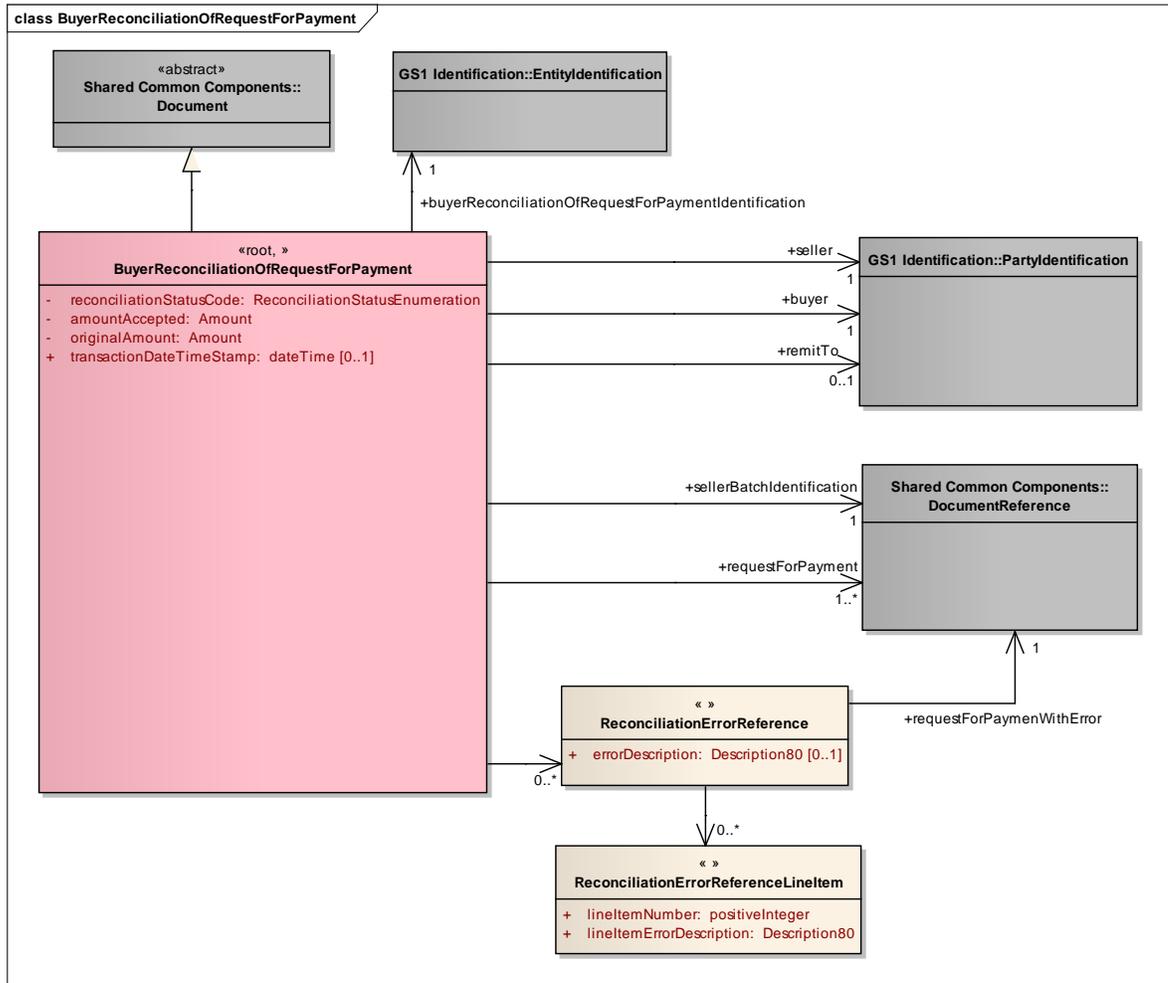
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association	sellerBatchIdentification	DocumentReference	1..1	Identifier number assigned by the seller to a batch of Requests for Payment (RFP's).	
Association	buyerReconciliationOfRequestForPaymentIdentification	EntityIdentification	1..1	Unique identifier for the Buyer Reconciliation Of Request For Payment Message.	
Association		ReconciliationErrorReference	0..*	Information on the Request for Payment that have been found to contain errors.	
Generalization		Document		Used to specify basic information about the content of the message including version number, creation date and time.	
Attribute	reconciliationStatusCode	ReconciliationStatusEnumeration	1..1	Code specifying the status of the reconciliation. Example: Accept.	
Attribute	transactionDateTimeStamp	dateTime	0..1	The identification of the date and time that a reconciliation of a request for payment was transacted.	
Attribute	amountAccepted	Amount	1..1	The amount of payment made to settle a request for payment that was accepted by the buyer or the buyer's financial institution.	

Content	Attribute / Role	Datatype /Secondary class	Multipl icity	Definition	Requireme nts
Attribute	originalAmount	Amount	1..1	The original amount of a request for payment or a batch of requests for payment.	
<u>ReconciliationErrorReference</u>				Information on the Request for Payment that have been found to contain errors.	
Association		ReconciliationErrorReferenceLineItem	0..*	Information on the line items in the Request for Payment containing the errors.	
Association	requestForPaymentWith Error	DocumentReference	1..1	Reference to the Request For Payment containing the error(s).	
Attribute	errorDescription	Description80	0..1	A description of an error or errors in a request for payment (RFP).	
<u>ReconciliationErrorReferenceLineItem</u>				Information on a line item in the Request for Payment containing the error(s).	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the line item containing the error.	
Attribute	lineItemErrorDescription	Description80	1..1	A description of an error or errors at the line item level in a request for payment (RFP).	

5.2. Class Diagram

BuyerReconciliationOfRequestForPayment

Figure 5-1 Class Diagram: Buyer Reconciliation Of request For Payment



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 & Enumerations

ReconciliationStatusEnumeration

CodeValue	Description
ACCEPT	Reconciliation Status is accepted.
ACCEPT_WITH_ERRORS	Reconciliation Status is accepted with errors.
REJECT	Reconciliation Status is rejected.

-  **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

6. Business Document Example

BuyerReconciliationOfRequestForPayment	
- creationDateTime	2005-06-27T11:00:00
- documentStatusCode	ORIGINAL
- reconciliationStatusCode	ACCEPT
- amountAccepted	500 USD
- originalAmount	1000 USD
EntityIdentification (+buyerReconciliationOfRequestForPaymentIdentification)	
- entityIdentification	20051101
PartyIdentification (+contentOwner)	
- gln	8712345678913
PartyIdentification (+seller)	
- gln	8712345678915
PartyIdentification (+buyer)	
- gln	8712345678919
DocumentReference (+requestForPayment)	
- entityIdentification	BRORFP1

- creationDateTime	2005-03-03T11:00:00
<i>DocumentReference (+requestForPayment)</i>	
- entityIdentification	RFP333
- creationDateTime	2005-03-23T11:00:00
<i>PartyIdentification (+contentOwner)</i>	
- gln	8712345678912
<i>DocumentReference (+sellerBatchIdentification)</i>	
- entityIdentification	SBI02
<i>PartyIdentification (+contentOwner)</i>	
- gln	8712345678911

7. Implementation Considerations

Not Applicable

8. Testing

Not Applicable

8.1. Pass / Fail Criteria

Not Applicable

8.2. Test Data

8.2.1. Request For Payment

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.	<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"/>	
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"/>	

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
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"/>	
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"/>	

#	AG Principle	BSD Adherence Statement	Does BSD Adhere?	Comment
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
Updated for Major Release 3.0, BMS version 3.0.0: Updated to reflect changes in modelling methodology.	3.0.0	N/A