Business Message Standard (BMS)

for

Pay/Buyer Reconciliation of Request(s) For Payment

BRG: Pay

BMS Release: 2.0.2

Document Version: 2.0.2

Release Date: 31.03.2005

(dd.mm.ccyy)

Change Request Reference

Refer to Change Request (CR) Number(s):	01-000018
CR Submitter(s):	N/A
Date of CR Submission to GSMP:	N/A

Business Requirements Document (BRAD) Reference

BRAD Title: Business Requirements Document For BUYER RECONCILIATION OF REQUEST (S) FOR PAYMENT
BRAD Date: 08.07.2004
BRAD Version: 1.0.2

BRAD Title:
BRAD Date:
BRAD Version:

Document Summary

Document Title:	BMS for Pay/Buyer Reconciliation of Request(s) For Payment
Document Version	2.0.2
Owner:	BRG Pay
Status:	(*Check one box*) ☐ DRAFT ☑ Approved
BMS Template Version:	1.1
Targeted BMS Publication Version	2.0.2

Document Change History

Note: During development include revisions in history. Upon Approval, eliminate revisions and include only delta from previous version.

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
31.12.2004	2.0.0	John Ryu	Initial Version in BMS/BSD template	Migration of BRD to standard BMS/BSD format	N/A
31.03.2005	2.0.2	Andrew Hearn	Context Update	Updated the context listed within the document	N/A

1   Business Solution

1.1   Business Domain View

1.1.1   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.

1.1.2   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).

1.1.3   Audience

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

1.1.4   Artefacts

Artefact name	State	Artefact / State description

1.1.5   References

Reference Name	Description
Business Requirements Document For BUYER RECONCILIATION of REQUEST(S) For Payment, Version 1.0.2, 08.07.2004	
Change Request #01-000018	

1.1.6   Acknowledgements

1.1.6.1   BRG Members

Function	Name	Company / organisation
BRG Co-Chair	Joel Goldberg	Rosenthal and Rosenthal
BRG Co-Chair	Nancy Laskero	Sears, Roebuck & Company
BRG Member	Robert Adelson	Unilever Best Foods NA
BRG Member	Mickey Atkins	AHOLD Information Services
BRG Member	Janet Bailey	VF Corporation
BRG Member	Brian Barker	Wal-Mart Stores
BRG Member	Karina Duvinger	EAN Sweden
BRG Member	Henry Gerstman	Century Business Credit Corporation
BRG Member	Mark Gorman	HSBC
BRG Member	Catherine Guinan	GENCOD – EAN France
BRG Member	Sandra Hurd	The CIT Group
BRG Member	Robert Oosterhof	EAN Netherlands
BRG Member	Patricia Owyang	Levi Strauss & Company
BRG Member	Diane Pruitt	Sun Trust Bank
BRG Member	Cindy Pulecio	EAN Columbia
BRG Member	Ian Rogers	Cap Gemini Ernst & Young
BRG Member	John Little	Hershey Foods
BRG Member	Marie Perry	Coca Cola Enterprises
BRG Member	Bill Steger	Ahold Financial
BRG Member	Laura Stone	Pfizer
BRG Manager	Steve Rosenberg	UCC

1.1.6.2   ITRG Members

Function	Name	Company / organisation
ITRG Chair		
ITRG Member		
ITRG Member		
ITRG Member		
...		

1.1.6.3   Task/Project Group Participants (*where applicable*)

Function	Name	Company / organisation
Participant		
Participant		
Participant		
...		

1.1.6.4   Design Team Members

Function	Name	Organisation
Modeller	John Ryu	UCC
XML Technical Designer		
EANCOM Technical Designer		
Peer Reviewer		

1.2   Business Context

(Note: The business context of the business)

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Pay
System Capabilities	EAN.UCC
Official Constraints	None

1.3   Additional Technical Requirements Analysis

1.3.1   Technical Requirements (optional)

Number	Statement	Rationale
	None	

1.4   Business Transaction View

1.4.1   Business Transaction Use Case Diagram

Buyer
(from Actors)

Buyer Reconciliation

Seller
(from Actors)
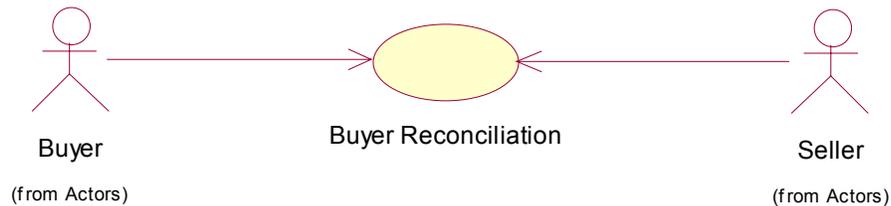
1.4.2   Use Case Description

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	
Pre-conditions	Both parties have established their trading partner agreement, aligned their data and are capable of sending and receiving transactions.
Post conditions	**Successful End Condition:** Successful receipt of data by the seller. **Successful End Condition:** Unsuccessful receipt of the data by the seller.
Scenario	**Begins when** the Seller sends one or more RFP(s) with a batch identifier to the buyer. **Continues with**... Process Flow: Batch RFP(s)
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 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.

Ends when the seller receives a reconciliation document for the RFP(s) from the buyer

	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		

1.4.3 Business Transaction Activity Diagram(s)

1.4.4 Business Transaction Sequence Diagram(s) (optional)

1.4.4.1 Buyer Reconciliation Of Request For Payment
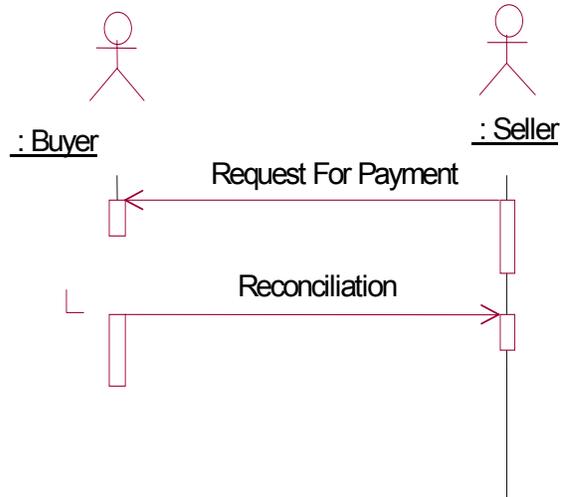
1.5 Information Model (including GDD Report)

1.5.1 Data Description:

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
AcceptFlag				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
		None	ReconciliationDetails	
AcceptWithErrorsFlag				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
		None	ErrorReference	
		None	ReconciliationDetails	
BuyerReconciliationOfRe-questForPayment				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
		None	BuyerReconciliation-OfRFPStatus	
		buyerReconciliationOfRe-	EntityIdentification	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
		questForPaymentIdentifi-cation		
		requestForPaymentIden-tification	EntityIdentification	
		sellerBatchIdentification	EntityIdentification	
		buyer	PartyIdentification	
		seller	PartyIdentification	
BuyerReconciliation-OfRFPStatus				BRD Title: Buyer Reconcilia-tion of Request(s) for Payment Date: 20040708 Version: 1.0.2
		None	AcceptFlag	
		None	AcceptWithErrorsFlag	
		None	RejectFlag	
ErrorReference				BRD Title: Buyer Reconcilia-tion of Request(s) for Payment Date: 20040708 Version: 1.0.2
	badData			
		requestForPay-mentWithErrorIdentifica-tion	EntityIdentification	
		None	ErrorReferenceLineItem	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
ErrorReferenceLineItem				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
	lineItemErrorDescription			
ErrorRejectReference				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
	badData			
		requestForPaymentWithErrorIdentification	EntityIdentification	
ReconciliationDetails				BRD Title: Buyer Reconciliation of Request(s) for Payment Date: 20040708 Version: 1.0.2
	transactionDateTime-Stamp			
		amountAccepted	MultiAmount	
		originalAmount	MultiAmount	
RejectFlag				BRD

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
				Title: Buyer Reconcilia-tion of Request(s) for Payment Date: 20040708 Version: 1.0.2
		None	ErrorRejectReference	

1.5.2   GDD Report :

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
AcceptFlag				Accept_ Request For Payment_ Reconcilia-tion Result. Details	Accept can be a possible choice for the Buyer Recon-ciliation Of Request For Pay-ment. Accept Flag denotes that the RFP or the Batch was processed, and no errors were noted by the receiver. If Ac-cept Flag is selected then the reconciliation details are op-tional.	
		None	ReconciliationDetails	Accept_ Request For Payment_ Reconcilia-tion Result. Association. Error_ Reconcilation	None	0..1
AcceptWithErrorsFlag				Accept With Error_ Request For Payment_ Reconciliation Result. Details	Accept with errors can be a possible choice for the Buyer Reconciliation Of Request For Payment. Accept With Error Flag denotes that the RFP or

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
					Batch was processed, and that one or more errors were noted and the batch was accepted by the receiver. If Accept With Errors Flag is selected then reconciliation details and error reference are mandatory.	
		None	ErrorReference	Accept With Error_ Request For Payment_ Reconciliation Result. Association. Accept With Error_ Request For Payment_ Reconciliation Result Line	None	1..*
		None	ReconciliationDetails	Accept With Error_ Request For Payment_ Reconciliation Result. Association. Error_ Reconcilation	None	1..1
BuyerReconciliation-OfRequestForPayment				Buyer_ Reconciliation Of Request For Payment. Details	None	
		None	BuyerReconciliation-OfRFPStatus	Buyer_ Reconciliation Of Request For Payment. Association. Reconciliation Result	None	1..1
		buyerReconciliationOfRequestForPaymentIdentification	EntityIdentification	Buyer_ Reconciliation Of Request For Payment. Document Identification. Entity Identifi-	None	1..1

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
				cation		
		requestForPaymentIden-tification	EntityIdentification	Buyer_ Reconciliation Of Request For Pay-ment. Request For Payment_ Identifica-tion. Entity Identifica-tion	None	1..*
		sellerBatchIdentification	EntityIdentification	Buyer_ Reconciliation Of Request For Pay-ment. Seller Batch_ Identification. Entity Identification	None	1..1
		buyer	PartyIdentification	Buyer_ Reconciliation Of Request For Pay-ment. Buyer. Party Identification	None	1..1
		seller	PartyIdentification	Buyer_ Reconciliation Of Request For Pay-ment. Seller. Party Identification	None	1..1
BuyerReconciliation-OfRFPStatus				Reconciliation Result. Details	None	
		None	AcceptFlag	Reconciliation Result. Choice_ Association. Accept_ Request For Payment_ Reconcilia-tion Result	None	1..1
		None	AcceptWithErrorsFlag	Reconciliation Result. Choice_ Association. Accept With Error_	None	1..1

Business Solution Design

| Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
				Request For Payment_ Reconciliation Result		
		None	RejectFlag	Reconciliation Result. Choice_ Association. Reject_ Request For Payment_ Reconciliation Result	None	1..1
ErrorReference				Accept With Error_ Request For Payment_ Reconciliation Result Line. Details	None	
	badData			Accept With Error_ Request For Payment_ Reconciliation Result Line. Bad Data_ Description. Language_	None	0..1
		requestForPay-mentWithErrorIdentifica-tion	EntityIdentification	Accept With Error_ Request For Payment_ Reconciliation Result Line. Erroneous Request For Payment_ Identification. Entity Identification	None	1..1
		None	ErrorReferenceLineItem	Accept With Error_ Request For Payment_ Reconciliation Result Line. Association. Accept With Error_ Request For Payment_ Reconciliation Result Sub Line	None	0..*

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
ErrorRefer-enceLineItem				Accept With Error_ Request For Payment_ Reconciliation Result Sub Line. Details	None	
	lineItemErrorDescrip-tion			Accept With Error_ Request For Payment_ Reconciliation Result Sub Line. Line Item Error_ Description. Language_ Text	None	1..1
ErrorRejectReference				Reject_ Request For Payment_ Reconcilia-tion Result Line. Details	None	
	badData			Reject_ Request For Payment_ Reconcilia-tion Result Line. Bad Data_ Description. Language_ Text	None	1..1
		requestForPay-mentWithErrorIdentifica-tion	EntityIdentification	Reject_ Request For Payment_ Reconcilia-tion Result Line. Erro-neous Request For Payment_ Identifica-tion. Entity Identifica-tion	None	1..1
ReconciliationDetails				Error_ Reconcilation. Details	None	
	transactionDateTime-			Error_ Reconcilation.	None	0..1

Business Solution Design

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multi-plicity
	Stamp			Time Stamped_ Trans-action Date Time. Date Time		
		amountAccepted	MultiAmount	Error_ Reconcilation. Accepted_ Amount. Multi-currency Amount	None	0..1
		originalAmount	MultiAmount	Error_ Reconcilation. Original_ Amount. Multi-currency Amount	None	0..1
RejectFlag				Reject_ Request For Payment_ Reconcilia-tion Result. Details	None	
		None	ErrorRejectReference	Reject_ Request For Payment_ Reconcilia-tion Result. Association. Reject_ Request For Payment_ Reconcilia-tion Result Line	None	1..*

1.5.3   Class Diagrams

1.5.3.1   Buyer Reconciliation Of Request For Payment
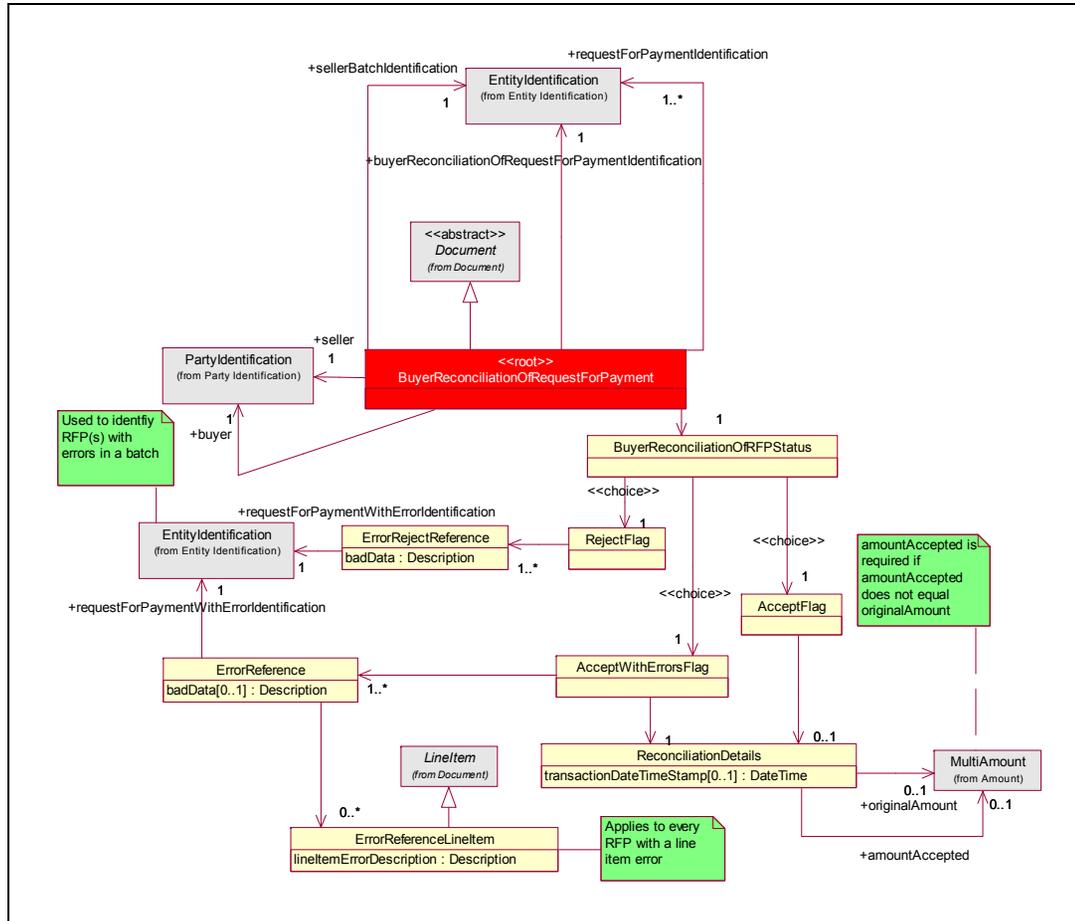
1.5.4   Code Lists

(Output from GDD should be pasted in this section.))

Code List Name	Code List Description
No Code List	
Code Name	**Code Description**

1.6 Business Document Example

1.7 Implementation Considerations

1.8 Testing

1.8.1 Pass / Fail Criteria

Unit testing criteria for business solution.

Number	Test Criteria	Related Requirement	Design Element	Pass Criteria	Fail Criteria
1	*Reflects a specific business requirement from a related BRAD. For example: When goods are ordered, the buyer requires an answer from the suppliers that the order has been received.*	*BRAD Name.Version. Req #*	*Message, role, attribute*	*Result which determines that requirement has been satisfied: For example:* *Seller is able to create and send an Order Receipt Acknowledgement.*	*Result which shows that requirement has not been satisfied: For example:* *Buyer does not receive the Order Receipt Acknowledgement.*
2					
3					

1.8.2 Test Data

Attribute	Value
Attribute Name. For example "orderQuantity"	*Valid value associated with the attribute. For example "5".*

1.9 Appendices

1.10 Summary of Changes

(Details changes to BMS for each version by BMS Section)

Change	BMS Version	Associated CR Number
• Migration to First BMS.		

2   XML Technical Solution ITRG Packet

The Technical Representation of the Business process is documented in a Technical So-
lution ITRG Packet containing all supplemental XML artefacts and is used by the Informa-
tion Requirements Group (ITRG) to evaluate the solution. Upon approval from the Infor-
mation Technical Requirements Group (ITRG), the Technical Solution ITRG Packet is
updated to the Technical Solution Implementers Packet and published with the Business

Message Standard at:
http://www.ean-ucc.org/global_smp/ean.ucc_standards.htm.

Technical Solution ITRG Packet Content:
- Business Message Standard (BMS)
- ITRG Review Packet
    - Style Sheet: This HTML has been created using a Style Sheet that is a
      visual representation of the data. It is not an actual Style Sheet, but an
      ex-ample of what a Style Sheet may look like.
    - Instance File: The Instance File is an example of what the schema may
      look like when it includes live data. This can be used as comparison to
      a completed schema and can serve as a point of reference for devel-
      opment.
    - Technical Level GDD Report

Technical Solution Implementers Packet Content:
Contains all the message specific.XSD files required to implement
Example:
- AS2Envelope
- Command.xsd
- DocumentCommand.xsd
- Proxy.xsd
- ComponentLibrary.xsd

Both the Business Message Standard and the Implementers Packet are available during
the ITRG Review Period in the working documents section of the ITRG eRoom:

http://eroom.uc-
council.org/eRoom/facility/InformationTechnicalAssessmentGroupITAG/0_14f7

All documents for review will be in this folder listed by name of the Change Request and
Change Request Number. The Business Message Standard is not open for review, but
offered as the basis for determining the suitability of the technical solutions.

This eRoom may be accessed by using the following User Name and Password:

User Name: guest
Password: guest