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Business Requirements Document (BRAD) Reference

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Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
12-Jan-2012	BMS 3.0 – Issue 1	Mark Van Eeghem	BMS Release 3.0	See summary of changes
01-May-2013	BMS 3.1 – Issue 1	Coen Janssen	BMS Release 3.1	See summary of changes
15-Sep-2014	BMS 3.2 – Issue 1	Ewa Iwicka	BMS Release 3.2	See summary of changes
01-Mar-2017	BMS 3.3 – Issue 1	Ewa Iwicka	BMS Release 3.3	See summary of changes

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1 Business Domain View

1.1 Introduction

Message Definition

The Request for Payment message provides the core functionality for requesting payment for goods or services under conditions agreed upon between the seller and the buyer. It contains only the necessary information needed for payment consisting of parties, items, and quantities.

1.2 References

Reference Number	Reference Name	Description
1	BMS eCom Domain Common Library Release 3.3	The documented design of components that are reused in multiple messages across the eCom domain.
2	BMS Shared Common Library Release 3.3	The documented design of components that are reused across the eCom domain and GDSN.
3	BRAD for Current Requirements Queue (Major Release 3)	The approved business requirements added into major release 3.0.0
4	Price Bracket – Business Requirement Document Version 1.15	
5	Price Bracket – Business Requirement Document Version 2.0	
6	Request for Payment - Business Requirement Document Version 1.4	
7	Payment to 3rd Party - Business Requirement Document Version 1.2	

2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Pay
System Capabilities	GS1 System
Official Constraints	None

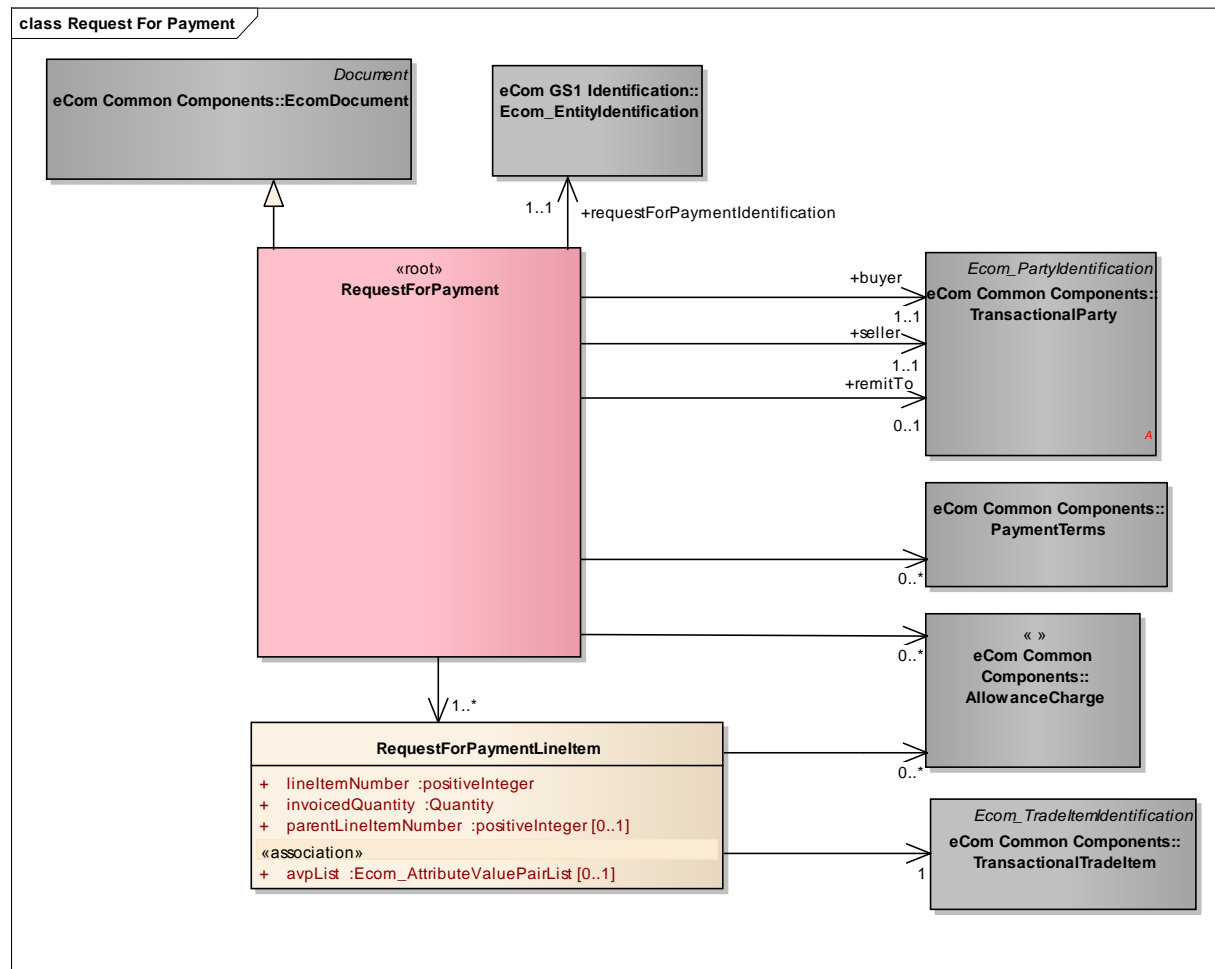
3 Business Transaction View

Not applicable

4 Business Information View

4.1 Request For Payment

Class diagram



**GDD report**

The content of the RequestForPayment class, its structure and component definitions can be accessed in the Global Data Dictionary:
http://apps.gs1.org/GDD/bms/Version3_3/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:RequestForPayment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
RequestForPayment				The Request for Payment message provides the core functionality for requesting payment for goods or services under conditions agreed upon between the seller and the buyer.	
Association	buyer	TransactionalParty	1..1	Party to whom merchandise and/or service is sold.	
Association		AllowanceCharge	0..*	Specifies allowances and charges applicable to the entire message.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	
Association		PaymentTerms	0..*	The specification of the payment terms applicable to this request for payment.	
Association	requestForPaymentIdentification	Ecom_EntityIdentification	1..1	Contains the unique identifier of the business document.	
Association	seller	TransactionalParty	1..1	Party selling merchandise to a buyer.	
Association	remitTo	TransactionalParty	0..1	The party (account owner) that receives a payment when such party is not the same as the seller.	
Association		RequestForPaymentLineItem	1..*	Contains the specification of the Request For Payment Line Item.	
RequestForPaymentLineItem				Specifies the information related to each line item. Each Request for Payment will contain one or more line items.	
Association		AllowanceCharge	0..*	Specifies allowances and charges specified for the individual line item contained in the message.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association		TransactionalTradeItem	1..1	The identification of any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, ordered, or invoiced at any point in any supply chain.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Request For Payment Line Item.	
Attribute	invoicedQuantity	Quantity	1..1	The quantity of items that is being charged for in the Invoice Line Item.	
Attribute	parentLineItemNumber	positiveInteger	0..1	The number of line item containing information about the parent of the current item. It allows establishing hierarchical link between the two items.	
Attribute	avpList	Ecom_AttributeValuePairList	0..1	Temporary attributes introduced between minor versions.	



Note: Reference Shared Common Library Business Message (BMS) Release 3.3 and eCom Domain Common Library Business Message (BMS) Release 3.3 for all common information.

4.2 Enumerations (message specific)

Not applicable

4.3 Code Lists

Not applicable

5 Business Message Examples

This is an example of a Request For Payment message. The message is sent on April 12th 2011 at 11 AM. The message is identified with the unique identification number RFP222.

Party Information

GS1 Global Location Number	Party Type
5412345000013	Buyer
4098765000010	Seller

The message is sent by the Seller (GLN 4098765000010) to Buyer (GLN 5412345000013). The payment terms are basic and expected to be done at reception of goods.

Payment is requested for one item: GTIN 40987650000223, quantity 48.

Message Example

Attribute	Value
RequestForPayment	
Document	
creationDateTime	2011-04-12 11:00
documentStatusCode	ORIGINAL
EntityIdentification (+requestForPaymentIdentification)	
entityIdentification	RFP222
PartyIdentification (+contentOwner)	
gln	4098765000010
TransactionalParty (+seller)	
gln	4098765000010
TransactionalParty (+buyer)	
gln	5412345000013
PaymentTerms	
paymentTermsEventCode	RECEIPT_OF_GOODS
paymentTermsTypeCode	1
RequestForPaymentLineItem	
lineItemNumber	1
invoicedQuantity	48
TransactionalTradeItem	
gtin	40987650000223

6 Implementation Considerations

6.1 User Guide

The Functional User Guide contains more information about the structure and content of the Request For Payment message: http://www.gs1.org/docs/ecom/xml/3/3.3/eCom-Trade_messages.html#RequestForPayment

6.2 Message Specific Considerations

Not Applicable

7 Summary of Changes

Any change in the GS1 standards is done based on the Work Request (WR) submitted by the GS1 User Companies or Member Organisations. All Work Requests are documented in the Work Request system available on the GS1 website: <http://wr.gs1.org>. The system is accessible to registered users. New visitors need to register first, to be able to access it. WRs can be searched by the number referenced in tables below, see: Search Work Requests. The number starts with the two last digits of the year when it was submitted, followed by the consecutive number within that year.



Note: WRs submitted earlier than February 2012 should be searched in Old Change Requests.

7.1 BMS Release 3.0

Change	Associated CR Number
For BMS Release 3.0.0: Updated to reflect changes in modelling methodology.	Not Applicable

7.2 BMS Release 3.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.3 BMS Release 3.2

Change	Associated WR
<p>Added Attribute Value Pair at the root, line item and sub line item levels</p> <div> <div>class RequestForPayment - maintenance view</div> <div> <div>«root»</div> <div>RequestForPayment</div> <div> <div>maintenance</div> <div>Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)</div> </div> </div> </div>	14-000110

Change	Associated WR
<ul style="list-style-type: none"> Added a reference to parent line number to all LineItem classes, to support hierarchical items (WRs 14-021 & 14-044) Added Attribute Value Pair at the root, line item and sub line item levels <div> class RequestForPaymentLineItem - maintenance view <div> <div>RequestForPaymentLineItem</div> <div> + lineItemNumber: positiveInteger + invoicedQuantity: Quantity + parentLineItemNumber: positiveInteger [0..1] «association» + avpList: Ecom_AttributeValuePairList [0..1] </div> <div> maintenance Change: (Verified) 3.2 added +avpList (WR 14-110) Change: (Verified) 3.2 added +parentLineItemNumber (WR 14-021 & 14-044) </div> </div> </div>	14-000021 14-000044 14-000110

7.4 BMS Release 3.3

Change	Associated WR
<p>Created Ecom_EntityIdentification class and changed association from the previous EntityIdentification</p> <div> class RequestForPayment - maintenance view <div> <div> eCom GS1 Identification:: Ecom_EntityIdentification maintenance Change: (New) 3.3 New class (WR 15-314) </div> <div> +requestForPaymentIdentification / 1..1 </div> <div> «root» RequestForPayment maintenance Change: (Complete) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110) Change: (New) 3.3 changed association from EntityIdentification to Ecom_EntityIdentification (WR 15-314) </div> </div> </div>	15-000314 Make GS1 identification keys optional in GS1 EDI XML

8 Appendices

Not Applicable

9 Acknowledgements

9.1.1 Work Group

Function	Name	Company / organisation
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Technical Development Lead	Ewa Iwicka	GS1 Global Office
Peer Review	Mark Van Eeghem	GS1 Global Office