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Business Requirements Document (BRAD) Reference

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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
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05-Jan-2022	BMS 3.5.1 – Issue 1	Miklos Bolyky	BMS Release 3.5.1	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 3.5.1	The documented design of components that are reused in multiple messages across the eCom domain.
2	BMS Shared Common Library Release 3.5.1	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

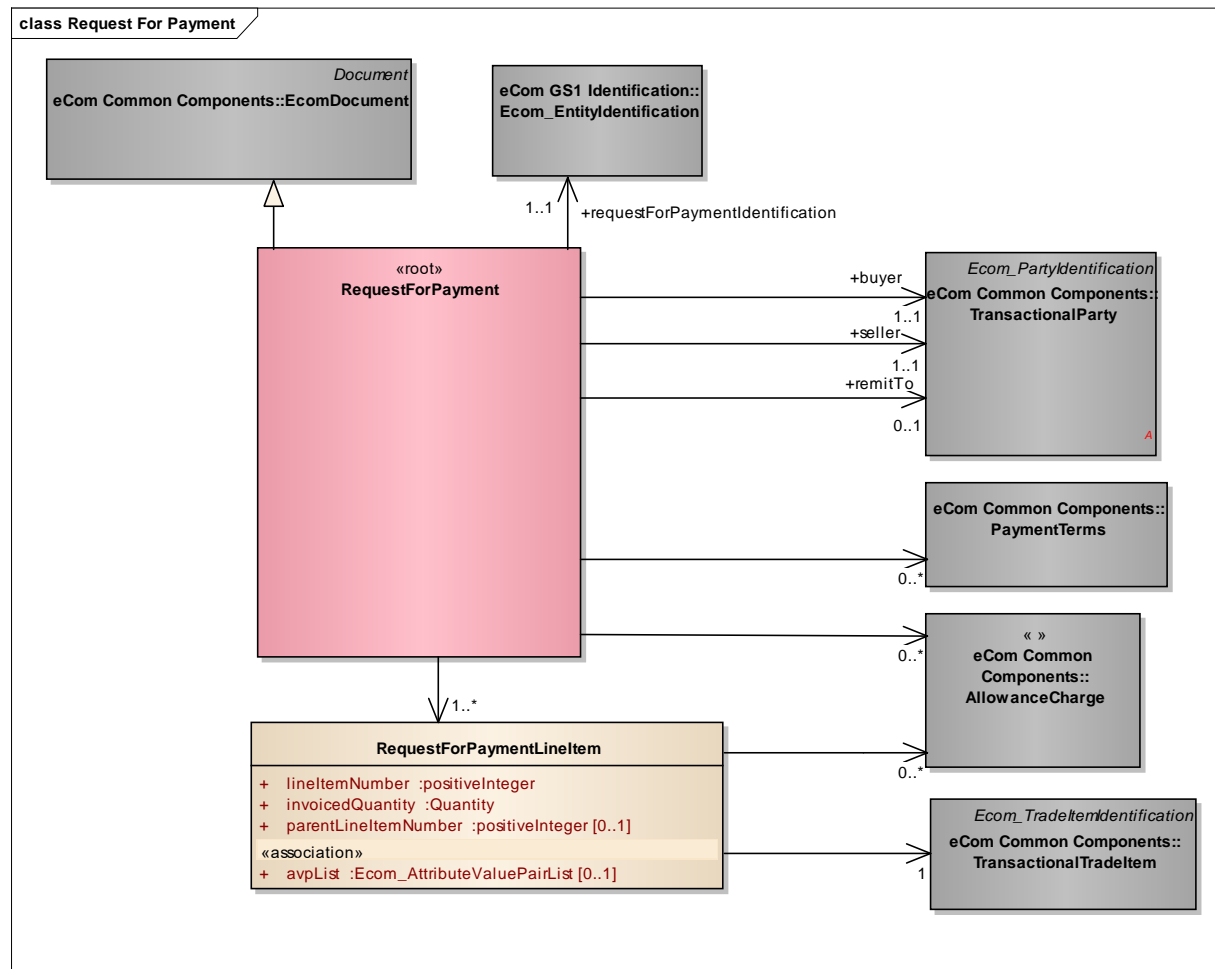
3 Business Transaction View

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_4/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 3.5.1 and eCom Domain Common Library Business Message (BMS) Release 3.5.1 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/3/3.4/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> <p>class RequestForPayment - maintenance view</p> <div> <p>«root» RequestForPayment</p> <p>maintenance</p> <p>Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)</p> </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

7.5 BMS Release 3.4

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

7.6 BMS Release 3.5

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

7.7 BMS Release 3.5.1

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

8 Appendices

Not Applicable

9 Acknowledgements

9.1.1 Work Group

Function	Name	Company / organisation
Co-chair	Rossner (Pottier), Natascha	GS1 France
Co-chair	Schmidt, Tom Eric	August Storck KG
Member	Bemrose, Jonathan	R&R Ice Cream
Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
Member	Boikanyo, Rebene	GS1 South Africa / Consumer Goods Council of South Africa
Member	Canada, ON	M3B 3L1
Member	Carlson, Jim	General Mills, Inc.
Member	Chresta, Richard	GS1 Switzerland
Member	Cook, Don	Wal-Mart Stores, Inc.
Member	Cox, Marc	Philips Electronics N.V.
Member	Darnell, David	Systrends
Member	De Flou, Nele	GS1 Belgium & Luxembourg
Member	Dicks, Arne	GS1 Germany
Member	Duvinger, Karina	GS1 Sweden
Member	Foerderer, Klaus	GS1 Germany
Member	Gathmann, Stefan	GS1 Ireland
Member	Grangard, Anders	GS1 Global Office
Member	Harpell, Eileen	GS1 Community Room Staff
Member	Hand, Phil	JDA Software
Member	Herregodts, Kurt	GS1 Belgium & Luxembourg
Member	Kempkes, Fred	Unilever N.V.
Member	Kernan, Brendan	GS1 Ireland
Member	Kidd, Robin	Nestle
Member	Krid, Anne-Claire	GS1 France
Member	Lanoue, Tom	General Mills, Inc.
Member	Laur, Rita	GS1 Canada

Function	Name	Company / organisation
Member	Lenman, Mia	GS1 Sweden
Member	Lerch, Hanjoerg	METRO Group
Member	Moberg, Dale	Axway
Member	Montes de Oca, Alejandra	GS1 Mexico
Member	Ng, Ella	GS1 Australia
Member	Peelen, Esther	GS1 Netherlands
Member	Pelekies, Andreas	GS1 Germany
Member	Perrier, Patricia	GS1 France
Member	Przybilla, Christian	GS1 Germany
Member	Pujol, Xavier	GS1 Spain
Member	Racek, Greg	Wal-Mart Stores, Inc.
Member	Repetto, Mirko	GS1 Italy
Member	Robba, Steven	1WorldSync Holdings, Inc.
Member	Rosell, Pere	GS1 Spain
Member	Rosenberg, Steven	GS1 US
Member	Schmid, Sue	GS1 Australia
Member	Schneider, Christian	GS1 Switzerland
Member	Sehorz, Eugen	GS1 Austria
Member	Sharma, Vishal	General Mills, Inc.
Member	Shimazaki, Ayako	GS1 Japan
Member	Sion, Emilie	GS1 France
Member	Souza, Nadia	GS1 Brasil
Member	Strand, Roman	GS1 Germany
Member	Tan, Milton	GS1 Malaysia
Member	Tompsett, Simon	Waitrose
Member	Trelle, Ute	1WorldSync Holdings, Inc.
Member	Tse, Steve	GS1 Hong Kong
Member	Tyson, Betty	Knouse Foods Cooperative, Inc
Member	Van den Bergh, Senne	GS1 Belgium & Luxembourg
Member	Van der Eijk, Pim	OASIS - Sonnenglanz Consulting BV
Member	Veldhuis, Saskia	Procter & Gamble Co.
Member	Welch, Shan	GS1 UK
Member	Westerkamp, Jan	GS1 Netherlands
Member	Wilson, Mary	GS1 US
Member	Windsperger, Bekki	Best Buy Co., Inc.
Member	Yang, Shaopeng	GS1 China
Member	Yusdiar, Dani	GS1 Indonesia
Member	Zwanziger, Greg	SUPERVALU

9.1.2 Development Team Members

Function	Name	Organisation
GSMP Process Lead	David Buckley	GS1 Global Office
Technical Development Lead	Miklos Bolyky	GS1 Global Office
Peer Review	Mark Van Eeghem	GS1 Global Office