



# Business Message Standard (BMS) Consumption Report

BMS Release: 2.5.0, BRG Name: eCom

*Issue 0.2.1, 06-Feb-2009*



## Document Summary

Document Item	Current Value
Document Title	Business Message Standard (BMS)
BMS Name	Consumption Report
BMS Release	2.5.0
BRG Name	eCom
Document Number	Issue 0.2.1
Date Last Modified	06-Feb-2009
Status	Approved
Owner	eCom BRG
BMS Template Version	1.9

## Change Request Reference

Date of CR Submission to GSMP:	CR Submitter(s):	Refer to Change Request (CR) Number(s):
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13-Feb-2008	Michal Martinko, Hewlett-Packard	08-000019
05-Nov-2004	GS1	04-000211

## Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Upstream Standards – Despatch, Receipt & Consumption	29-Nov-2004	0.1.1

## Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
07.02.2005	0.0.1	Coen Janssen	Initial Draft		
01.03.2005	0.0.2	Coen Janssen	Review	Chapter 7: Moved time period and bucket size to line item level.	
06.06.2005	0.1.0	Coen Janssen	Peer review		
13.07.2005	0.1.1	Coen Janssen	Technical Development Public Review		Not Applicable
06.02.2006	0.1.2	Coen Janssen	Bugfix on BMS version 2.1	See paragraph 1.10 for changes. Updated sections 1.5 and 1.6 accordingly.	P4CL 8022

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
07.03.2007	0.1.3	Andrew Hearn	Errata	Update BMS Version Number	
25.04.2007	0.1.4	Giovanni Biffi	Editorial Changes	Minor Editorial Changes to the Document	Not Applicable
29- Aug -2008	0.2.0	John Ryu	BMS release 2.5.0	Noted in summary of changes	Not Applicable
01-Dec -2008	0.2.1	Lisa Herrick	BMS Release 2.5.0 Final Public Review	Noted in summary of changes	Not Applicable
06-Feb-2009	Issue0.2.1	Lisa Herrick	eBallot Approved	Noted in summary of changes	Not Applicable

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# 1. Business Domain View

## 1.1. Problem Statement / Business Need

In consignment business scenarios the buyer needs to communicate the consumed materials or sold goods to the seller.

## 1.2. Objective

In consignment business scenarios the buyer needs to communicate the consumed materials or sold goods to the seller.

## 1.3. Audience

- Manufacturers
- Suppliers
- Logistic Service Providers

## 1.4. References

Reference Name	Description
BMS Common Library Release 2.5.0	The documented design of components that are used in multiple messages.
BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1	

## 1.5. Acknowledgements

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## 2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	Global
Product	All
Process	Deliver (Consignment)
Official Constraints	None
Roles	Buyer, Seller
System Capabilities	EANCOM, XML

### 3. Additional Technical Requirements Analysis

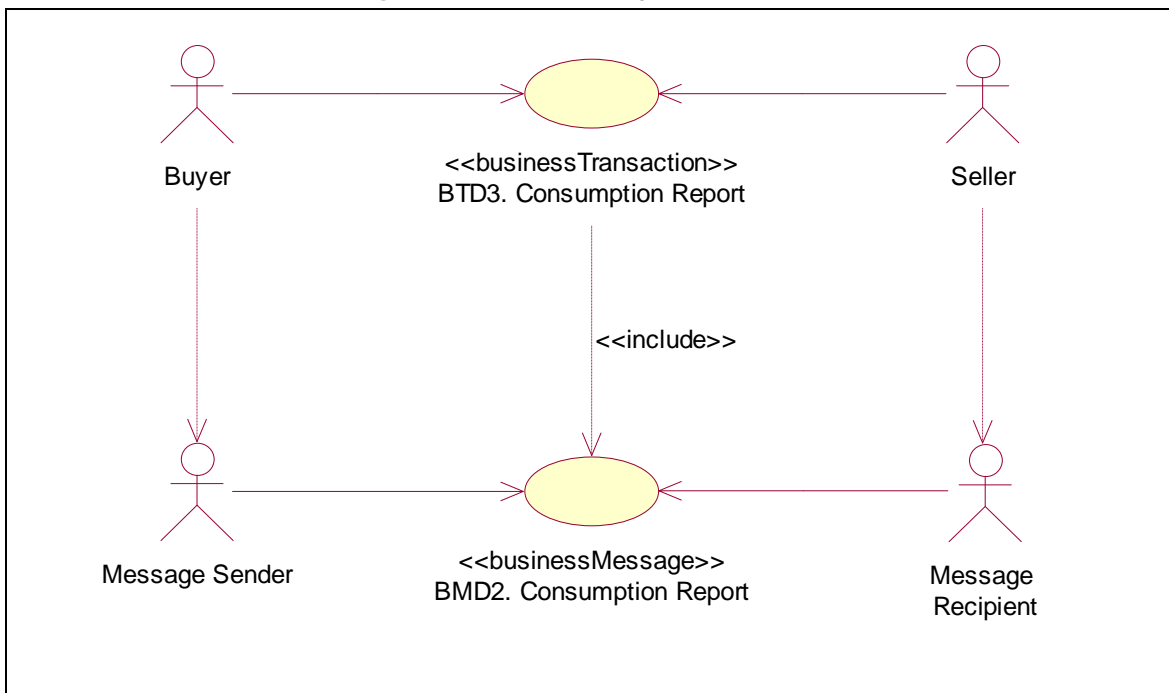
#### 3.1. Technical Requirements (optional)

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	BTD3
Use Case Name	Consumption Report
Use Case Description	The buyer communicates the consumed goods to the seller.
Actors (Goal)	Buyer: To send the consumption report. Seller: To receive the consumption report.
Performance Goals	
Preconditions	Goods Consumption: CALCULATED
Post conditions	Goods Consumption: COMMUNICATED
Scenario	<b>Begins when:</b> The Buyer has calculated the goods that were consumed during the consumption

	period.	
	<b>Continues with:</b>	
	<b>Step #</b>	<b>Actor</b>
	1.	Buyer
	2.	Seller
Sends Consumption Report message to the Seller.		
Receives Consumption Report Message		
<b>Ends when:</b>		
<b>Alternative Scenario</b>	<i>(any alternatives to the above scenario)</i>	
	<b>Step #</b>	<b>Actor</b>
	1.	
	2.	
<b>Business Transaction Rules</b>	1.	

### 4.3. Business Transaction Activity Diagram(s)

NOT APPLICABLE

### 4.4. Business Transaction Sequence Diagram(s) (optional)

NOT APPLICABLE

## 5. Information Model (Including GDD Report)

### 5.1. GDD Report

#### Consumption Report V2.5.0

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
ConsumptionReport				Consumption Report. Details	Contains the material requirements from the buyer to the seller for given trade items and locations for specific time periods.				
			ConsumptionReportItemLocationInformation	Consumption Report. Association. Consumption Report Item Location Information	This information on ConsumptionReportItemLocationInformation for ConsumptionReport	1..*			
		materialRequirementsPlanner	Contact	Consumption Report. Material Requirements Planner. Contact	Contains the name or ID of the person or department responsible for the planning at the buyer side.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-6}	
			Document	Consumption Report. Inheritance. Document	This information on Document for ConsumptionReport	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-2, 3}	
		consumptionReportIdentification	EntityIdentification	Consumption Report. Consumption Report Identification. Entity Identification	Contains the unique identifier of the business document.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-1}	

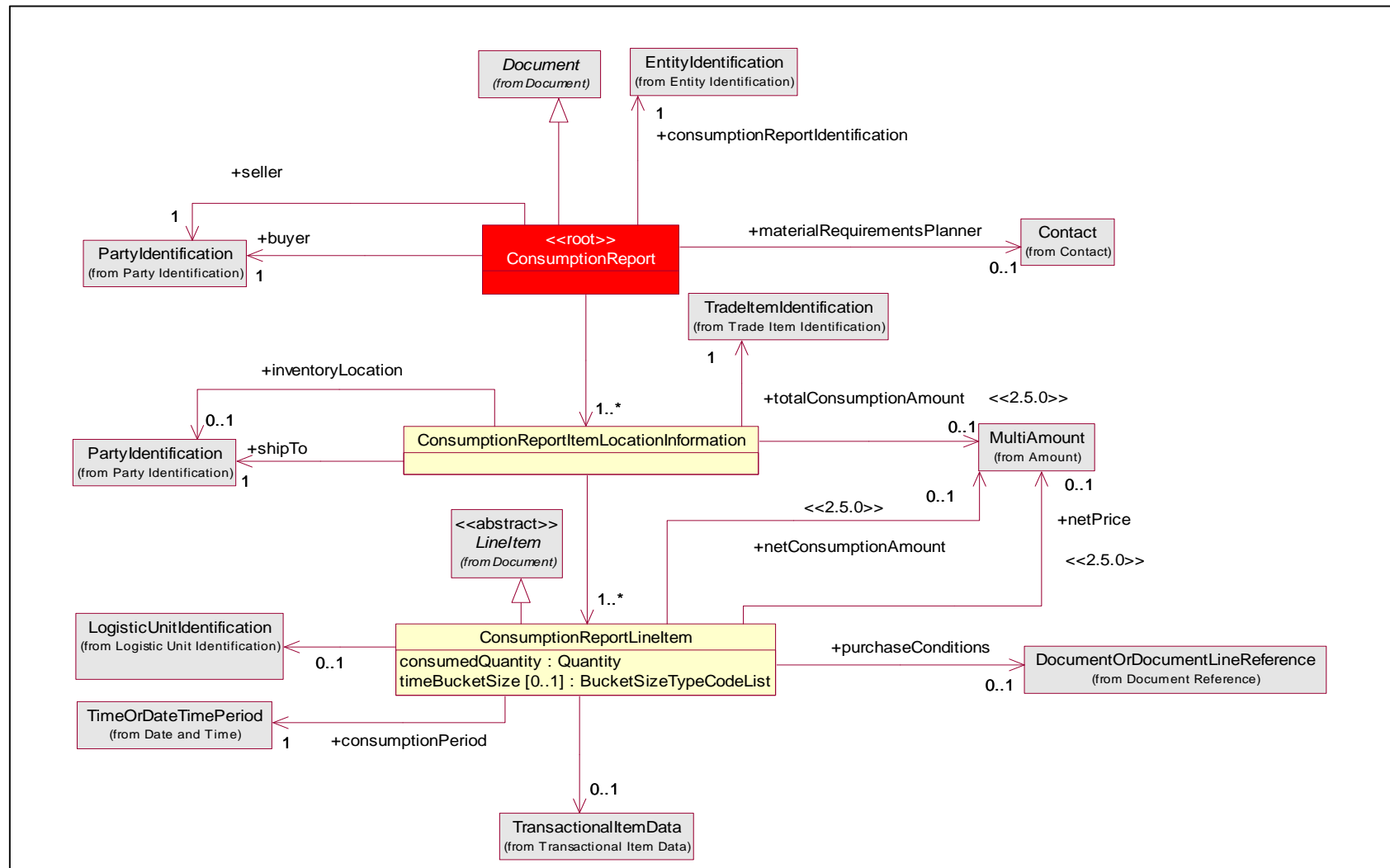
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		buyer	PartyIdentification	Consumption Report. Buyer. Party Identification	Contains the identification of the party that is buying the goods.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-4}	
		seller	PartyIdentification	Consumption Report. Seller. Party Identification	Contains the identification of the party that is selling the goods.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-5}	
ConsumptionReportItemLocationInformation				Consumption Report Item Location Information. Details	Contains the consumption information for given trade items and locations for specific time periods.				
			ConsumptionReportLineItem	Consumption Report Item Location Information. AssociationC. Consumption Report Line Item	This information on ConsumptionReportLineItem for ConsumptionReportItemLocationInformation	1..*			
		totalConsumptionAmount	MultiAmount	Consumption Report Item Location Information. Association. Multi-currency Amount	The agreed amount to be paid in agreed currency (e.g. USD, EUR, SFR) of the purchased or consumed goods for the total order per location.	0..1		CR 08-019	
		inventoryLocation	PartyIdentification	Consumption Report Item Location Information. Inventory Location. Party Identification	Identification of the physical place at the receiving side where the items are stored.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-9}	
		shipTo	PartyIdentification	Consumption Report Item Location Information. Ship To. Party Identification	Contains the identification of the location to which the item were shipped by the seller.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-8}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
			TradeItemIdentification	Consumption Report Line Item Location Information. AssociationT. Trade Item Identification	Contains the identification of the trade item that applies to the reported goods consumption.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-11}	
ConsumptionReportLineItem				Consumption Report Line Item. Details	Contains the consumption information for the specified time period.				
	consumedQuantity			Consumption Report Line Item. Consumed Quantity. Quantity	The number of units consumed.	1..1	Quantity. Content Quantity Unit. Code Quantity Unit. Code List Agency. Identifier	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-20, 21}	No Restrictions
	timeBucketSize			Consumption Report Line Item. Time Bucket Size. Bucket Size_ Code	Contains a code describing the size of the requirements period.	0..1	Code. Content	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-19}	Facets constrained by code list values
		purchaseConditions	DocumentOrDocumentLineReference	Consumption Report Line Item. Purchase Conditions. Document Or Document Line Reference	Contains a reference to the commercial agreement under which the goods are supplied.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-12}	
			LineItem	Consumption Report Line Item. Inheritance. Line Item	This information on LineItem for ConsumptionReportLineItem	*..*		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-7}	
			LogisticUnitIdentification	Consumption Report Line Item. Association. Logistic Unit Identification	Contains the identification of the logistic unit item that applies to the reported goods consumption.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-10}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		netConsumptionAmount	MultiAmount	Consumption Report Line Item. Association. Multi-currency Amount	The agreed amount to be paid for the total number of units (E.g. KG, EA, Pallet) in agreed currency (e.g. USD, EUR, SFR) of the purchased or consumed goods.	0..1		CR 08-019	
		netPrice	MultiAmount	Consumption Report Line Item. Net Price. Multi-currency Amount	The agreed amount to be paid per unit (E.g. KG, EA, Pallet) in agreed currency (e.g. USD, EUR, SFR) of the purchased or consumed goods.	0..1		CR 08-019	
		consumptionPeriod	TimeOrDateTimePeriod	Consumption Report Line Item. Consumption Period. Time Or Date Time Period	Contains the start and end dates and optionally start and end times of the period in which the goods were consumed.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-14, 15, 16, 17, 18}	
			TransactionalItemData	Consumption Report Line Item. Association. Transactional Item Data	Contains additional item data such as batch number and best before date that apply to the reported goods consumption.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.3.1-11}	

## 5.2. Class Diagrams

Figure 5-1 Class Diagram: Consumption Report



**Note:** Reference Common Library Business Message (BMS) Release 2.5.0 for all common information.



## 5.3. Code Lists



**Note:** Reference Common Library Business Message Release 2.5.0 for all Code Lists

## 6. Business Document Example

The following is an example of a consumption report message. The message is sent out on February 9th at 11 AM. The message is identified with the unique identifier 2005001. The content owner is the sending party, in this case the manufacturer (Buyer 8712345678913).

The consumption report is sent by the manufacturer (Buyer 8712345678913) to the material supplier (Seller 8812345678903).

For informational purposes the manufacturer includes the name of his material requirements planner (Mr. Kramer).

The consumption report is for two delivery sites, X (Ship To 8712345670009) and Y (Ship To 8712345678951).

The consumption report is for one item, A (GTIN 08712345678906).

For delivery site X the reporting period is February 11-17.

For delivery site Y the reporting period is February 11, 7:00 AM – February 15, 5:00 PM

For item A and delivery site X the reported consumption is:

- 700 units.

The contract to be used for invoicing the reported consumption (2004000012) was issued by the business unit of the material supplier (content owner 8712345678999). Within the contract line 23 refers to this item.

For item A and delivery site Y the reported consumption is:

- 300 units.

The contract to be used for invoicing the reported consumption is the same as for delivery site X.

ConsumptionReport	
- creationDateTime	2005-02-09T11:00:00
- documentStatus	ORIGINAL
EntityIdentification (+consumptionReportIdentification)	
- uniqueCreatorIdentification	2005001
PartyIdentification (+contentOwner)	
- gLN	8712345678913
PartyIdentification (+seller)	
- gLN	8812345678903
PartyIdentification (+buyer)	
- gLN	8712345678913
Contact (+materialRequirementsPlanner)	

ConsumptionReport	
MultiDescription (+personOrDepartmentName)	
- description (language, text)	EN, Kramer
ConsumptionReportItemLocationInformation *1	
PartyIdentification (+shipTo)	
- gLN	8712345670009
TradeItemIdentification	
- gTIN	08712345678906
ConsumptionReportLineItem *1.1	
- lineItemNumber	1
- consumedQuantity (value, unitOfMeasure)	700
- timeBucketSize	WEEK
TimeOrDateTimePeriod (+consumptionPeriod)	
TimePeriod	
- startDate	2005-02-11
- endDate	2005-02-17
DocumentOrDocumentLineReference (+purchaseConditions)	
DocumentLineReference	
- lineItemNumber	23
DocumentReference	
TypedEntityIdentification	
- entityType	PURCHASE_CONDITIONS
EntityIdentification	
- uniqueCreatorIdentification	2004000012
PartyIdentification (+contentOwner)	
- gLN	8712345678999
ConsumptionReportItemLocationInformation *2	
PartyIdentification (+shipTo)	
- gLN	8712345678951
TradeItemIdentification	
- gTIN	08712345678906
ConsumptionReportLineItem *2.1	
- lineItemNumber	1
- consumedQuantity (value, unitOfMeasure)	300
- timeBucketSize	WEEK
TimeOrDateTimePeriod (+consumptionPeriod)	

ConsumptionReport	
DateTimePeriod	
- startDate	2005-02-11T07:00:00
- endDate	2005-02-15T17:00:00
DocumentOrDocumentLineReference (+purchaseConditions)	
DocumentLineReference	
- lineNumber	23
DocumentReference	
TypedEntityIdentification	
- entityType	PURCHASE_CONDITIONS
EntityIdentification	
- uniqueCreatorIdentification	2004000012
PartyIdentification (+contentOwner)	
- gLN	8712345678999

## 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. Summary of Changes

Change	BSD Version	Associated CR Number
ConsumptionReportLineItem Changed association to DocumentReference with rolename of +purchaseConditions. The association now links to DocumentOrDocumentLineReference instead of DocumentReference.	0.1.2	Not Applicable
Upgrade for BMS release 2.5.0 Added Association (08-019) ConsumptionReportItemLocationInformation+totalConsumptionAmount(0..1) to MultiAmount ConsumptionReportLineItem+netConsumptionAmount(0..1) to MultiAmount ConsumptionReportLineItem+netPrice(0..1) to MultiAmount	0.2.0	CR 08-000019 CR 08-000209
For BMS Release 2.5.0 <ul style="list-style-type: none"> <li>• Prep document for public review on 01-Dec-2008</li> <li>• Remove Code Lists &amp; Add notes to reference Common Library BMS for Code Lists and Common Information.</li> </ul>	0.2.1	Not Applicable
Updated BMS to Approved Status eBallot Approved Release 2.5.0	Issue 0.2.1	Not Applicable