Inventory Report

Business Message Standard (BMS)

Release 3.1

1-May-2013, Issue 1

Document Summary

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08- Aug- 2007	Eric Maree, Accenture	07-000309
05-Nov-2004	GS1	04-000211

Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Upstream Standards - Demand & Supply Signals	01-Nov-2004	0.1.0
BRD for Inventory Activity or Inventory Status	19-Nov-2004	0.6.2

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
13-Jan-2012	Issue 1.0.0	Mark Van Eeghem	BMS Publication 3.0.0	See Summary Of Changes
1-May-2013	BMS 3.1 issue 1	Coen Janssen	BMS Publication 3.1.0	See Summary of Changes

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1. Business Domain View

1.1. Problem Statement / Business Need

There is a need for the messages to be exchanged between both parties, and to add additional trading partners involved in maintaining inventory levels such as the distributor, manufacturer, material supplier, retailer, warehouse, and wholesaler.

The Inventory Report includes all the activities and techniques of maintaining the stocks of items.

1.2. Objective

This standard defines the transaction model and data model for the following business message:

■ Inventory Report

1.3. Audience

The audience for this document is the global business community being any business that stores or owns goods at one or more points in the supply chain.

1.4. References

Reference Name
BMS Shared Common Library 3.1
BMS eCom Common Library 3.1
BRAD Upstream Standards - Demand & Supply Signals 0.1.0
BRD Inventory Activity or Inventory Status 0.6.2
BRAD Warehousing Inventory Managament [BRAD-WIM]

1.5. Acknowledgements

1.5.1. Work Group

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Co-chair	Schmidt, Tom Eric	August Storck KG
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Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
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Member	Carlson, Jim	General Mills, Inc.
Member	Chresta, Richard	GS1 Switzerland

Function	Name	Company / organisation
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Member	Cox, Marc	Philips Electronics N.V.
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Member	Lenman, Mia	GS1 Sweden
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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
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Member	Rosell, Pere	GS1 Spain
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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

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Member	Yusdiar, Dani	GS1 Indonesia
Member	Zwanziger, Greg	SUPERVALU

1.5.2. Development Team Members

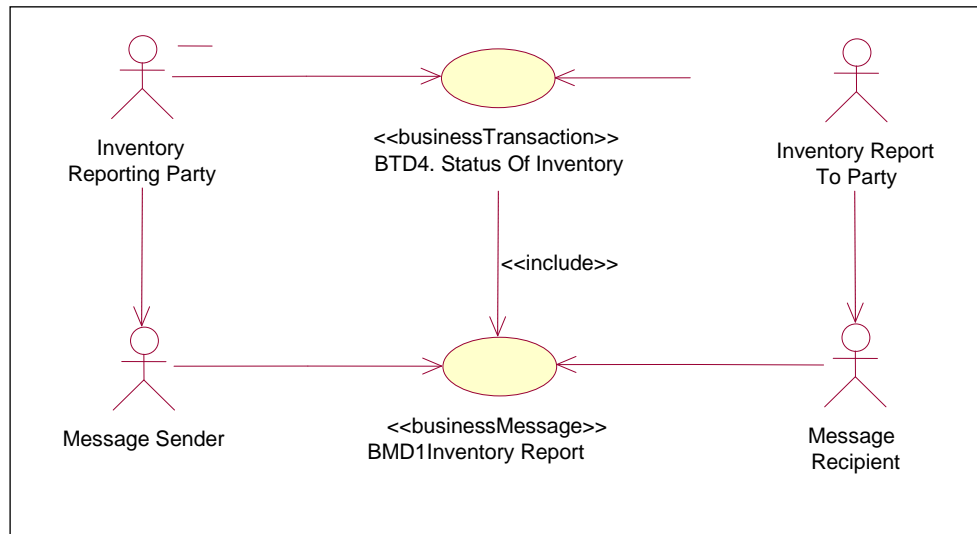| Function	Name	Organisation
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Technical Development Lead	Ewa Iwicka	GS1 Global Office
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2. Business Context

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

3. Business Transaction View

3.1. Business Transaction - Status Of Inventory

Use Case Diagram

Use Case Description

Use Case ID	BTD4
Use Case Name	Status of Inventory
Use Case Description	This use case describes the exchange of the Inventory Status. The inventory Report provides the inventory levels of an item where items are stored.
Actors (Goal)	Inventory Report To Party: The actor who receives the Inventory Status. This role can be played by various parties (Distributor, Manufacturer, Material Supplier, Owner of items, Place where items are stored, Retailer, Warehouse, and Wholesaler). Inventory Reporting Party: The actor who transmits the Inventory Report. This role can be played by various parties (Distributor, Manufacturer, Material Supplier, Owner of items, Place where items are stored, Retailer, Warehouse, and Wholesaler).
Preconditions	Both trading partners have agreed upon the reporting dates and times.
Post conditions	Success: The 'Inventory Report To Party' receives the Inventory Report message. Failure: The 'Inventory Report To Party' does not receive the Inventory Status message.
Scenario	**Begins when:** The submitter of the inventory report prepares the Inventory Report message on the agreed upon date and time. **Continues with**:

Step #	Actor	Activity Step
1.	Inventory Reporting Party	Sends the Inventory Report.

Ends when: The 'Inventory Report To Party' receives the Inventory Report message.

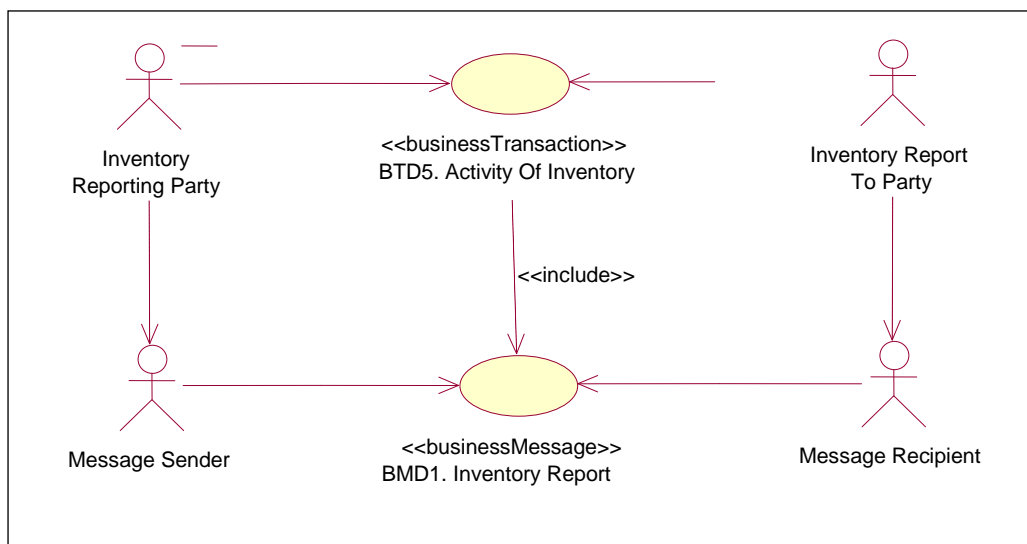| Alternative Scenario	There are no alternative scenarios.
Business Transaction Rules	

Activity Diagram(s)

Not Applicable

Sequence Diagram(s) (optional)

Not Applicable

3.2. Business Transaction - Activity Of Inventory

Use Case Diagram

Use Case Description

Use Case ID	BTD5
Use Case Name	Activity of Inventory
Use Case Description	This use case describes the exchange of the Inventory Activity. The inventory activity provides the activity of an item.
Actors (Goal)	Inventory Report To Party: The actor who receives the Inventory Activity. This role can be played by various parties (Distributor, Manufacturer, Material Supplier, Owner of items, Place where items are stored, Retailer, Warehouse, and Wholesaler). Inventory Reporting Party: The actor who transmits the Inventory Activity. This role can be played by various parties (Distributor, Manufacturer, Material Supplier, Owner of items, Place where items are stored, Retailer, Warehouse, and Wholesaler).
Preconditions	Both trading partners have agreed upon the reporting dates and times.
Post conditions	Success: The 'Inventory Report To Party' receives the Inventory Report message. Failure: The 'Inventory Report To Party' does not receive the Inventory Report message.

Scenario	Begins when:
	The submitter of the inventory activity prepares the Inventory Report message on the agreed upon date and time.
	Continues with:

Step #	Actor	Activity Step
1.	Inventory Reporting Party	Sends the Inventory Report.

	Ends when: The 'Inventory Report To Party' receives the Inventory Report message.
Alternative Scenario	There are no alternative scenarios.
Business Transaction Rules	

Activity Diagram(s)

Not Applicable

Sequence Diagram(s)

Not Applicable

3.3. Business Transaction - Seller Inventory

Use Case Diagram

Use Case Description

Use Case ID	BTP3
Use Case Name	Seller Inventory
Use Case Description	The Seller Inventory transaction communicates at prescribed intervals the inventory levels of trade items in a specific location (plant, warehouse) to enable material requirements planning.

Actors (Goal)	Buyer: To receive the inventory level information of the Seller.
	Seller: To communicate his inventory level information.
Preconditions	Inventory Status: CALCULATED
Post conditions	Inventory Status: COMMUNICATED
Scenario	**Begins when:** The seller has calculated his inventory level.

Continues with:

Step #	Actor	Activity Step
1.	Seller	Sends the Inventory Report message to the buyer.
2.	Buyer	Receives the Inventory Report message.

Ends when: buyer receives the Inventory Report message.

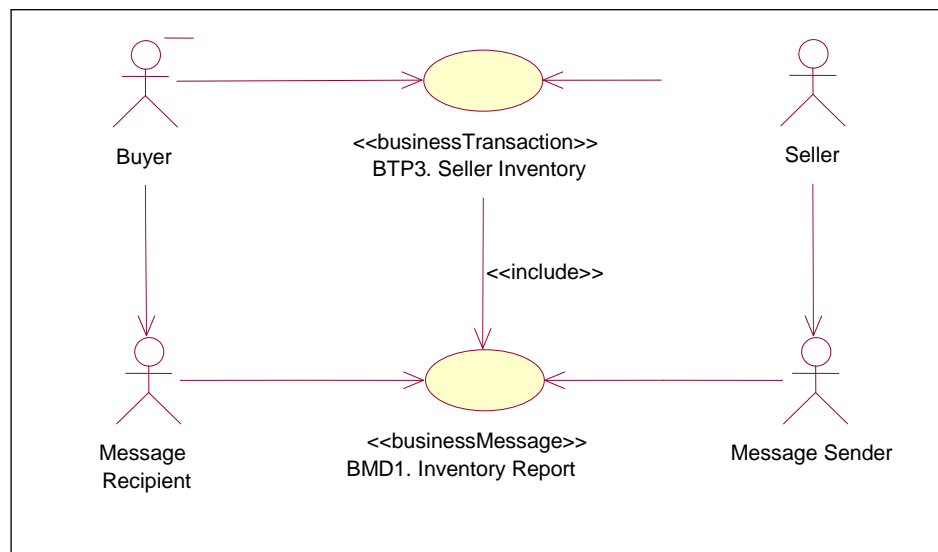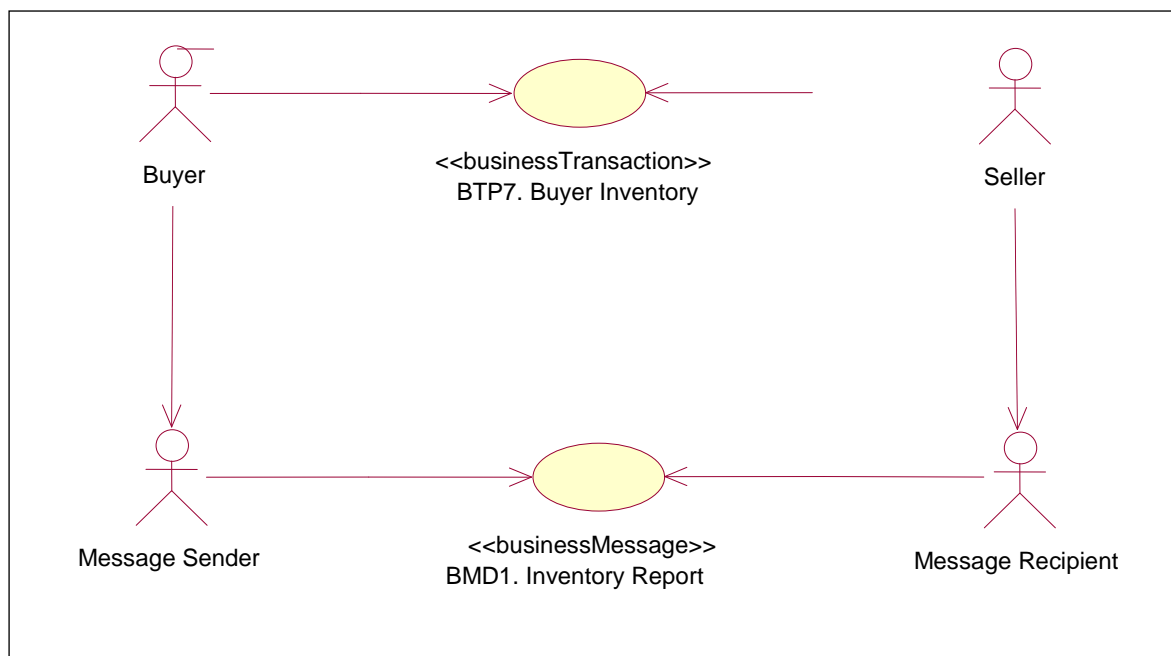| Alternative Scenario	There are no alternative scenarios.
Business Transaction Rules	In the Inventory Report message the Buyer is the Inventory Report to Party and the Seller is the Inventory Reporting Party.

Activity Diagram(s)

Not Applicable

Sequence Diagram(s)

Not Applicable

3.4. Business Transaction - Buyer Inventory

Use Case Diagram

Use Case Description

Use Case ID	BTP7
Use Case Name	Buyer Inventory
Use Case Description	The Buyer Inventory transaction communicates at prescribed intervals the inventory levels of trade items in a specific location (plant, warehouse) to enable material requirements planning.
Actors (Goal)	Seller: To receive the inventory level information of the buyer. Buyer: To communicate his inventory level information.
Preconditions	Inventory Status: CALCULATED
Post conditions	Inventory Status: COMMUNICATED
Scenario	**Begins when:** The buyer has calculated his inventory level. **Continues with**:

Step #	Actor	Activity Step
1.	Buyer	Sends the Inventory Report message to the seller.
2.	Seller	Receives the Inventory Report message.

Ends when: seller receives the Inventory Report message.

Alternative Scenario	There are no alternative scenarios.
Business Transaction Rules	In the Inventory message the Seller is the Inventory Report to Party and the Buyer is the Inventory Reporting Party.

Activity Diagram(s)

Not Applicable
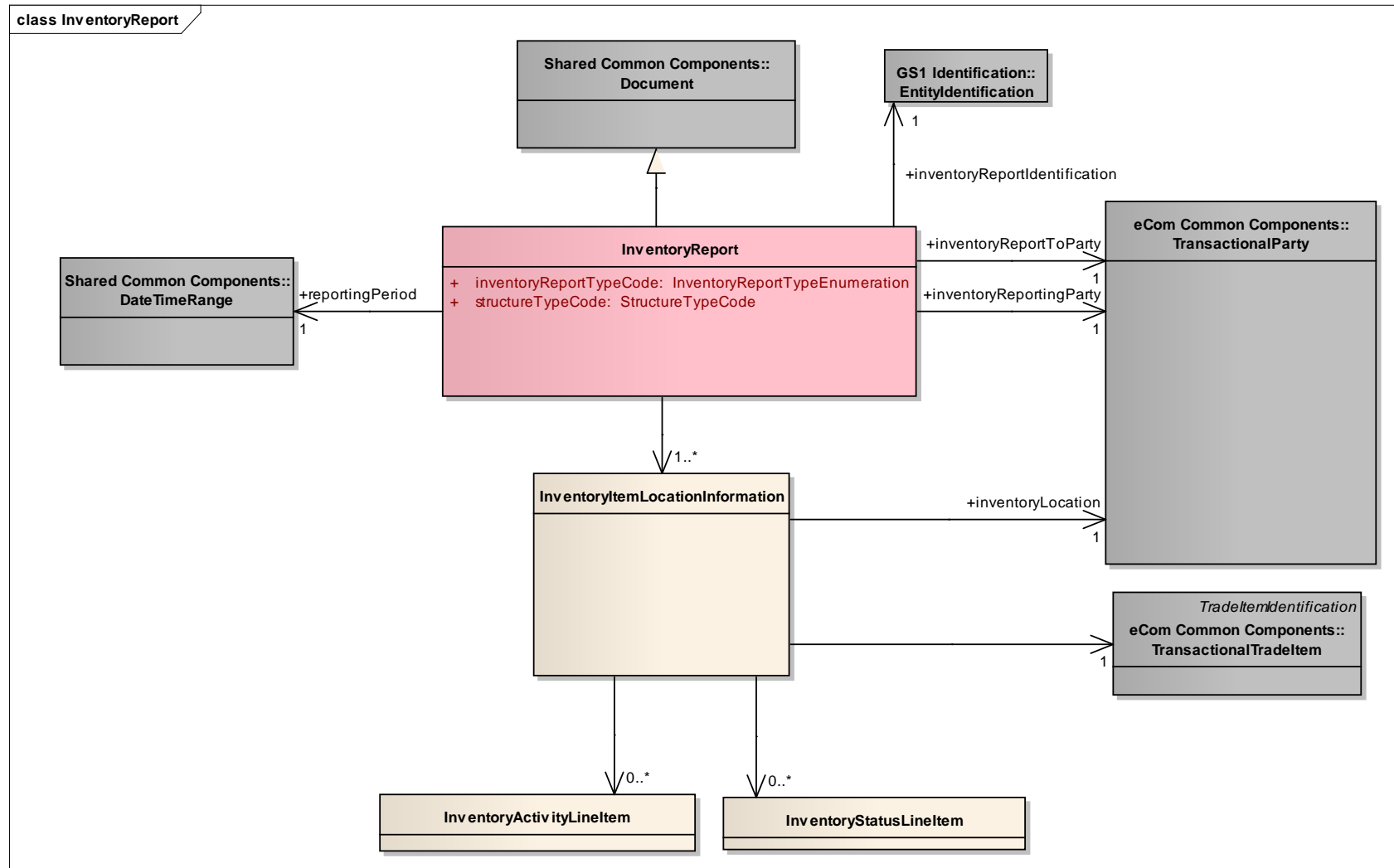
Sequence Diagram(s)

Not Applicable

4. Business Information View

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.

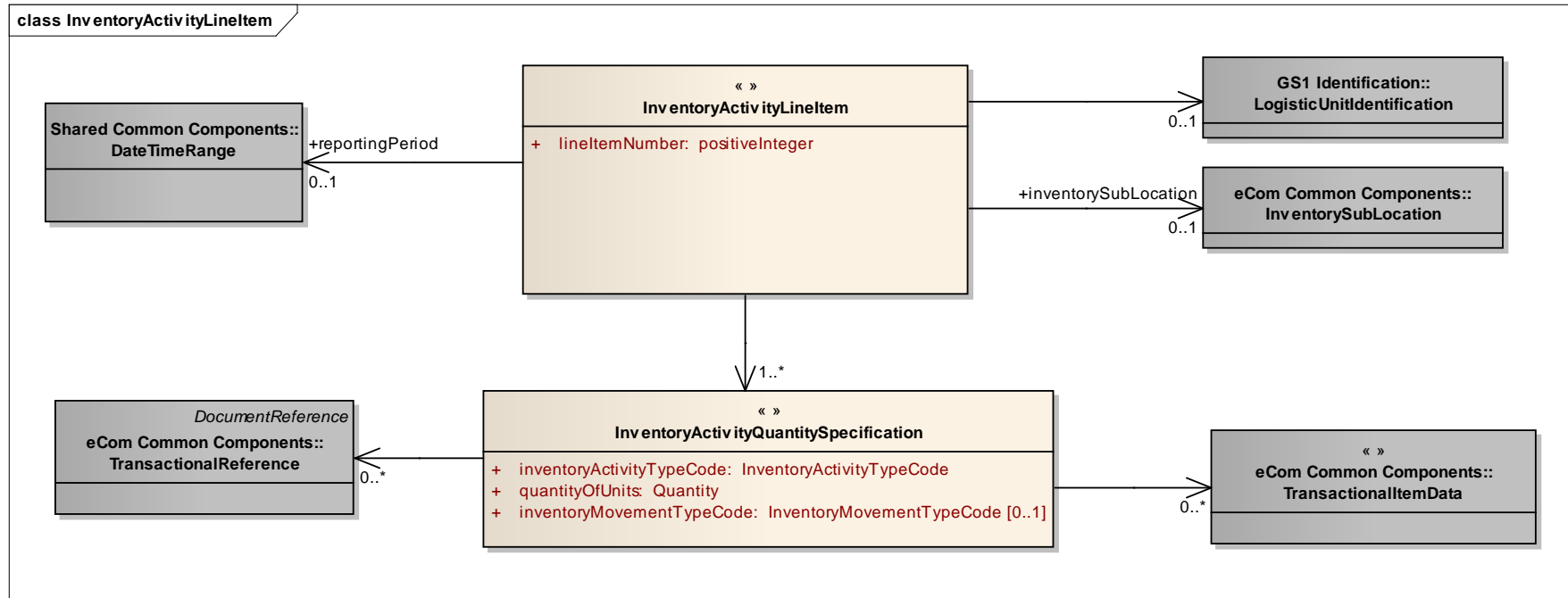## 4.1. Inventory Report (Message)

Class Diagram

GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multip licity	Definition	Requirements
InventoryReport				The Inventory Report enables a party (the inventory reporting party) to provide information on inventory levels and inventory changes to another party (the inventory report to party).	renamed from InventoryActivityOrInventoryStatus
Association	inventoryReportIdentification	EntityIdentification	1..1	Unique identification of the inventory report, assigned by the inventory reporting party.	
Association	inventoryReportToParty	TransactionalParty	1 ..1	The identification of the party to which the inventory is being reported.	
Association		InventoryItemLocationInfo rmation	1..*	Contains the inventory information for a given trade item and location.	
Association	inventoryReportingParty	TransactionalParty	1..1	The identification of the party reporting about the inventory.	
Association	reportingPeriod	DateTimeRange	1 ..1	The time period for which the inventory report provides information.	
Generalization		Document		Basic information about the content of the message including version number, creation date and time.	
Attribute	inventoryReportTypeCode	InventoryReportTypeEnu meration	1..1	Code specifying the type of inventory information being provided. E.g. inventory status information.	renamed from inventoryDocumentType and made enumeration instead of code.
Attribute	structureTypeCode	StructureTypeCode	1..1	Contains the type of grouping and sequence of the business document.	
InventoryItemLocationInfor mation				Contains the inventory information for a given trade item and location.	
Association		InventoryStatusLineItem	0..*	Information specifying the inventory status of a specific trade item at a specific location at a specific point in time.	
Association		TransactionalTradeItem	1 ..1	Contains the identification of the item for which the inventory information is specified.	
Association	inventoryLocation	TransactionalParty	1 ..1	Identification of the physical place where the items are located.	
Association		InventoryActivityLineItem	0..*	Information specifying the inventory activity of a specific trade item at a specific location in a specific time period.	

4.2. Inventory Activity Line Item

Class Diagram

GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InventoryActivityLineItem				Information specifying the inventory activity of a specific trade item at a specific location in a specific time period.	
Association		LogisticUnitIdentification	0..1	Detailed identification of the logistic unit that contains the goods.	
Association	inventorySubLocation	InventorySubLocation	0..1	Detailed identification of the location at which the goods are stored.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association		InventoryActivityQuantitySpecification	1..*	Supplies the inventory activity item information with the quantity of units, inventory activity type, an optional inventory movement indicator, and an optional reference number.	
Association	reportingPeriod	DateTimeRange	0..1	The time period on which the inventory activity line item provides information.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Inventory Activity Line Item.	
InventoryActivityQuantitySpecification				Supplies the inventory activity item information with the quantity of units, inventory activity type, an optional inventory movement indicator, and an optional reference number.	
Association		TransactionalReference	0..*	Reference to a document or transaction related to the specified inventory activity.	
Association		TransactionalItemData	0..*	Detailed information on the item being reported on, such as best before date, batch number.	
Attribute	inventoryActivityTypeCode	InventoryActivityTypeCode	1..1	Code specifying the type of activity being reported for the inventory item.	
Attribute	quantityOfUnits	Quantity	1..1	The number of units and the unit of measure associated to the Inventory Item.	
Attribute	inventoryMovementTypeCode	InventoryMovementTypeCode	0..1	Code specifying whether the reported activity leads to an increase or decreaseoftheinventoryquantity.	renamed from inventoryMovementIndicator

4.3. Inventory Status Line Item

Class Diagram

GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
InventoryStatusLineItem				Information specifying the inventory status of a specific trade item at a specific location at a specific point in time.	
Association		InventoryStatusQuantitySpecification	1..*	Information about the stored goods per inventory status.	
Association	inventorySubLocation	InventorySubLocation	0..1	Detailed identification of the location at which the goods are stored.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Association		LogisticUnitIdentification	0..1	Detailed identification of the logistic unit that contains the goods.	
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Inventory Status Line Item.	
Attribute	inventoryDateTime	dateTime	0..1	Date and time the inventory for this line item was assessed. If this is not provided the beginDateTime provided at the business document level represents the inventoryDateTime.	

4.4. Code Lists & Enumerations

InventoryReportTypeEnumeration

CodeValue	Description
INVENTORY_ACTIVITY	Inventory Activity is used to report on all the changes on the inventory level per item.
INVENTORY_STATUS	Inventory Status is used to report on the actual inventory per item.

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

Class	Codelist	Referenced in
InventoryReport	StructureTypeCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0
InventoryActivityQuantity Specification	InventoryActivityType Code	eCom Domain Common Library Business Message (BMS) Release 3.0.0
InventoryActivityQuantity Specification	InventoryMovementT ypeCode	eCom Domain Common Library Business Message (BMS) Release 3.0.0

5. Business Message Examples

5.1. Inventory Status Example

The following is an example of an inventory status 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 (Inventory Reporting Party **999999900001**).

The inventory information is sent by the manufacturer (Inventory Reporting Party **999999900001**) to the material supplier (Inventory Report To Party **7777777000009**).

The inventory status information is for two inventory locations; X (Inventory Location **9999999000027**) and Y (Inventory Location **9999999000034**).

The inventory status information is for three items; A (GTIN **01111111111116**), B (GTIN **02222222222222**) and C (GTIN **03333333333338**).

All inventories have been assessed at February 9th at 8 AM, except for the inventory of item C at location X, this has been assessed at 12 PM the previous day.

Location X

For item A the inventory status is:

■ Total inventory 25 of which 15 available for sale and 10 expired.

■ For item B the inventory status is:

■ Total inventory 50, completely on hand, containing 30 units with production date **2004-11-24** and 20 units with production date **2004-11-17**.

■ For item C the inventory status is:

■ Total inventory 325, of which 300 units are on hold and 25 units are damaged..

Location Y

For item A the inventory status is:

■ Total inventory 160 of which 80 are located on pallet **388888880000000083** and 80 on pallet **388888880000000113**. Of the items on pallet 1 25 are available for sale, and 55 are expired. The items on pallet 2 are all available for sale.

Summarized:

Line	InventoryLocation	TradeItem	LogisticUnit
1	9999999000027	01111111111116	n/a
2	9999999000027	02222222222222	n/a
3	9999999000027	03333333333338	n/a
4	9999999000034	03333333333338	388888880000000083
5	9999999000034	03333333333338	388888880000000113

InventoryReport	
- inventoryReportTypeCode	INVENTORY_STATUS
- structureTypeCode	LOCATION_BY_ITEM
Document	
- creationDateTime	2005-02-09T11.00.00
- documentStatusCode	ORIGINAL
DateTimeRange (+reportingPeriod)	
- beginDate	2005-02-09
- beginTime	08.00.00
EntityIdentification (+inventoryReportIdentification)	
- entityIdentification	2005001
PartyIdentification (+contentOwner)	
- gln	999999900001
TransactionalParty (+inventoryReportToParty)	
- gln	7777777000009
TransactionalParty (+inventoryReportingParty)	
- gln	999999900001
*InventoryItemLocationInformation *1*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	01111111111116
*InventoryStatusLineItem *1.1*	
- lineItemNumber	1
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	AVAILABLE_FOR_SALE
- quantityOfUnits	15 CARTONS
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	EXPIRED
- quantityOfUnits	10 CARTONS
*InventoryItemLocationInformation *2*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	02222222222222
*InventoryStatusLineItem *2.1*	
- lineItemNumber	2
InventoryStatusQuantitySpecification	

- inventoryStatusTypeCode	ON_HAND
- quantityOfUnits	50 PCS
TransactionalItemData	
- productionDate	2004-11-24
TransactionalItemData	
- productionDate	2004-11-17
*InventoryItemLocationInformation *3*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	03333333333338
*InventoryStatusLineItem *3.1*	
- lineItemNumber	3
- inventoryDateTime	2005-02-09T00.00.00
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	ON_HOLD
- quantityOfUnits	300 PCS
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	DAMAGED
- quantityOfUnits	25 PCS
*InventoryItemLocationInformation *4*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000034
TransactionalTradeItem	
- gtin	03333333333338
*InventoryStatusLineItem *4.1*	
- lineItemNumber	4
LogisticUnitIdentification	
- sscc	388888880000000083
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	AVAILABLE_FOR_SALE
- quantityOfUnits (value, unitOfMeasure)	25, PCS
InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	EXPIRED
- quantityOfUnits	55, PCS
*InventoryStatusLineItem *4.2*	
- lineItemNumber	5
LogisticUnitIdentification	
- sscc	388888880000000113

InventoryStatusQuantitySpecification	
- inventoryStatusTypeCode	AVAILABLE_FOR_SALE
- quantityOfUnits	80, PCS

5.2.   Inventory Activity Example

The following is an example of an inventory activity 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 (Inventory Reporting Party **999999900001**).

The inventory information is sent by the retailer (Inventory Reporting Party 999999900001) to the manufacturer (Inventory Report To Party **7777777000009**).

The inventory activity information is for three inventory locations; X (Inventory Location **9999999000027**), Y (Inventory Location **9999999000034**) and Z (Inventory Location **9999999000041**).

The inventory status information is for four items; A (GTIN **01111111111116**), B (GTIN **02222222222222**), C (GTIN **03333333333338**) and D (GTIN **04444444444444**).

The activities reported all took place between 10 PM on February 7th and 10 PM February 8th, , except for Item A at location Y, there the end time is 11 PM.

Item A

On location X the following activity is reported:

■   Quarantine 15, Recall 10

On location Y the following activity is reported:

■   Destroyed 10 (decrease of inventory)

Item B

On location X the following activity is reported:

■   Distressed 20 KGM, originating from lotnumber 123456789

Item C

On location X the following activity is reported:

■   Despatch discrepancy of 300 units, received 25 units

On location Y the following activity is reported:

■   Physical count 250 units

Item D

On location Z the following activity is reported:

■   Damaged in facility 250 units.

Summarized:

Line	TradeItem	InventoryLocation
1	01111111111116	9999999000027
2	01111111111116	9999999000034

Line	TradeItem	InventoryLocation
3	02222222222222	9999999000027
4	03333333333338	9999999000027
5	03333333333338	9999999000034
6	04444444444444	9999999000041

InventoryReport	
- inventoryReportTypeCode	INVENTORY_ACTIVITY
- structureTypeCode	ITEM_BY_LOCATION
Document	
- creationDateTime	2005-02-09T11.00.00
- documentStatusCode	ORIGINAL
DateTimeRange (+reportingPeriod)	
- beginDate	2005-02-07
- beginTime	22.00.00
- endDate	2005-02-08
- endTime	22.00.00
EntityIdentification (+inventoryReportIdentification)	
- entityIdentification	2005001
PartyIdentification (+contentOwner)	
- gln	999999900001
TransactionalParty (+inventoryReportToParty)	
- gln	7777777000009
TransactionalParty (+inventoryReportingParty)	
- gln	999999900001
*InventoryItemLocationInformation *1*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	01111111111116
*InventoryActivityLineItem *1.1*	
- lineItemNumber	1
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	QUARANTINE
- quantityOfUnits	15 PCS
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	RECALL
- quantityOfUnits	10 PCS

*InventoryItemLocationInformation *2*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000034
TransactionalTradeItem	
- gtin	01111111111116
*InventoryActivityLineItem *2.1*	
- lineItemNumber	2
DateTimeRange (+reportingPeriod)	
- beginDate	2005-02-07
- beginTime	22.00.00
- endDate	2005-02-08
- endTime	23.00.00
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	DESTROYED
- quantityOfUnits	10 PCS
- inventoryMovementTypeCode	MOVING_PRODUCT_OUT_OF_INVENTORY
*InventoryItemLocationInformation *3*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	02222222222222
*InventoryActivityLineItem *3.1*	
- lineItemNumber	3
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	DISTRESSED
- quantityOfUnits	20 KGM
TransactionalItemData	
- lotNumber	123456789
*InventoryItemLocationInformation *4*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000027
TransactionalTradeItem	
- gtin	03333333333338
*InventoryActivityLineItem *4.1*	
- lineItemNumber	4
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	DESPATCH_DISCREPANCY
- quantityOfUnits	300, PCS
TransactionalReference	

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- transactionalReferenceTypeCode	ALN
EntityIdentification	
- entityIdentification	3391
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	RECEIPTS
- quantityOfUnits	25, PCS
- inventoryMovementTypeCode	MOVING_PRODUCT_INTO_INVENTORY
TransactionalReference	
- transactionalReferenceTypeCode	ALQ
EntityIdentification	
- entityIdentification	HIGH TICKET ITEM 4433
*InventoryItemLocationInformation *5*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000034
TransactionalTradeItem	
- gtin	03333333333338
*InventoryActivityLineItem *5.1*	
- lineItemNumber	5
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	PHYSICAL_COUNT
- quantityOfUnits	250, PCS
*InventoryItemLocationInformation *4*	
TransactionalParty (+inventoryLocation)	
- gln	9999999000041
TransactionalTradeItem	
- gtin	04444444444444
*InventoryActivityLineItem *4.1*	
- lineItemNumber	6
InventoryActivityQuantitySpecification	
- inventoryActivityTypeCode	DAMAGED_IN_FACILITY
- quantityOfUnits	250, PCS
- inventoryMovementTypeCode	MOVING_PRODUCT_OUT_OF_INVENTORY

6. Implementation Considerations

Not Applicable

7. Appendices

Not Applicable

8. Summary of Changes

8.1. BMS Release 3.0

Change	BMS Version	Associated CR Number
Updated BMS to Major release 3.0.0 Updated BMS to reflect changes in modelling methodology. Renamed from "Inventory Activity or Inventory Status"	Issue 1.0.0	N/A
Public Review: Removed INVENTORY_STATUS_AND_ACTIVITY from InventoryReportTypeEnumeration	Issue 1.0.0 (21-nov-2011)	N/A
For BMS Publication: • Updated date of document • Clean-up of Document Change History • Removed year from copyright statement in footer • Corrected spelling of Section 11 Architectural Principles • Updated architectural principles section to correct fields.	Issue 1.0.0	N/A

8.2. BMS Release 3.1

Change		Associated CR Number
class InventoryActivityLineItem - Maintenance View « » **InventoryActivityLineItem** + lineItemNumber: positiveInteger **maintenance** Change: (Verified) 3.1 changed associated class of +inventorySubLocation (BRAD-WIM:IR-307) **class InventoryStatusLineItem - maintenance view** **InventoryStatusLineItem** + lineItemNumber: positiveInteger + inventoryDateTime : dateTime [0..1] **maintenance** Change: (Verified) 3.1 changed associated class for +inventorySubLocation (BRAD-WIM:IR101)		[BRAD WIM] IR101, IR307
Corrected the GLN, GTIN and SSCC numbers in the examples.		