



# Business Message Standard (BMS) Receiving Advice

**BMS Release: 2.5.0, BRG Name: eCom**

***Issue 4.1.0, 06-Feb-2009***



## Document Summary

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29- Aug- 2007	Juan Francisco, Zurita Duque, Novozymes A/S	07-000408
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## Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
BRAD Upstream Standards – Despatch, Receipt & Consumption	29-Nov-2004	0.1.1
BRD Receiving Advice – Business Requirement Document	10-Dec-2004	2.1.1

## Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
31-Dec-2004	3.0.0	Rob Toole		Completed BSD by adding GDD information and updated class diagram	Not applicable
01-Mar-2005	3.1.1	Coen Janssen	UIM	1 <sup>st</sup> draft including UIM requirements and ebMeat consequences.	Not applicable
04-Mar-2005	3.1.2	Coen Janssen	RTI Upstream Standards and DTG review	Several changes to chapter 7. Included example in chapter 8.	Not applicable
25-Mar-2005	3.1.3	Coen Janssen	Comments BRG Deliver (DTG)	Several changes to chapter 7.	Not applicable

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
21-Apr-2005	3.2.0	Coen Janssen	Public review and comments made during Vienna meeting	Changed rolenames in use cases: Ship To → Receiver, Ship From → Shipper Functional changes: see chapter 12	Not applicable
02-Jun-2005	3.2.1	John Ryu	Updated Class Diagrams based on peer review 6700 Updated needed to GDD and text of document per peer review 6700	Aesthetic changes and alphabetized according to Modelling Best Practices.	Model P4CL: 6178  BSD P4CL: 6722
21-Jul-2005	3.2.2	Coen Janssen	Technical Design Public Review	Several cosmetic changes Fixed requirements references in paragraph 1.5.1	Not Applicable
19-Aug-2005	3.2.3	Coen Janssen	Technical Design Public Review	Functional changes, see paragraph 1.10. Adjusted the example in paragraph 1.6 accordingly.	Not Applicable
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6-Feb-2009	Issue 4.1.0	John Ryu	BMS Release 2.5.0 eBallot Approved	Noted in summary of changes	Not Applicable

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# 1. Business Domain View

## 1.1. Problem Statement / Business Need

The business process of shipping and receiving requires the actors in this process to share information regarding goods shipped and goods received. The Receiving Advice is developed to provide the receiver of the shipment the capability to inform the shipper of actual goods received, compared to what was advised as being sent. Typical business uses of the receipt information can include – updating of inventory, identifying shipping discrepancies, and adjusting orders and related invoicing.

The Receiving Advice should have the capability to link to the information that makes up a Despatch Advice or Shipping Document, which provides detailed information about the content of a shipment of goods from the Shipper to the Receiver. With the capability of this link comes the ability to compare exactly what was received to what was indicated as sent on the Despatch Advice or Shipping Document. The established link between receipt and despatch information enables the comparison and in turn allows the Receiving Advice to contain a range of comparison information, from general to specific.

## 1.2. Objective

The objective of the Receiving Advice is to satisfy the business need as stated in section 1.1 above as well as to provide a format that is flexible to serve the actors' process goals based on trading partner agreements.

For example, the Receiving Advice can be used in correlation with the Despatch Advice or other shipment documentation to:

- Provide a simple acknowledgment that goods have been received
- Provide a detailed verification of actual goods received
- Provide notification of exceptions between shipment documentation (e.g. Despatch Advice and BOL) and actual receipts

## 1.3. Audience

Retailers, manufacturers, warehouses, material suppliers and any other third party such as a logistic service or 3PL provider involved in the despatch and receipt of goods.

## 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	
BRAD Receiving Advice 2.1.1	

## 1.5. Acknowledgements

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EANCOM Technical Designer	N/A	N/A
Peer Reviewer	Eric Kauz	GS1

## 2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	Global
Product	All
Process	Deliver
Official Constraints	None
Roles	Shipper, Ship From, Receiver, Ship To
System Capabilities	GS1 System, EANCOM, XML

## 3. Additional Technical Requirements Analysis

### 3.1. Technical Requirements (optional)

Not Applicable

## 4. Business Transaction View

### 4.1. Business Transaction RECEIVING ADVICE

When the Receiver receives a shipment of goods from the Shipper, the Receiver compares the received goods to what was advised as despatched on the despatch advice or shipping documents, and creates and sends a Receiving Advice. The Receiver has the following options to choose from regarding what the Receiving Advice may contain:

- **Full** – details- Includes qualitative and/or quantitative details regarding everything received (all line items) whether or not there were exceptions between what was received and what was advised as being sent.
- **Exceptions** – Includes only qualitative and/or quantitative exceptions between what was received and what was advised as being sent.
- **Confirmation** – The acceptance of the receipt of goods.

#### 4.1.1. Business Transaction Use Case Diagram

Not Applicable

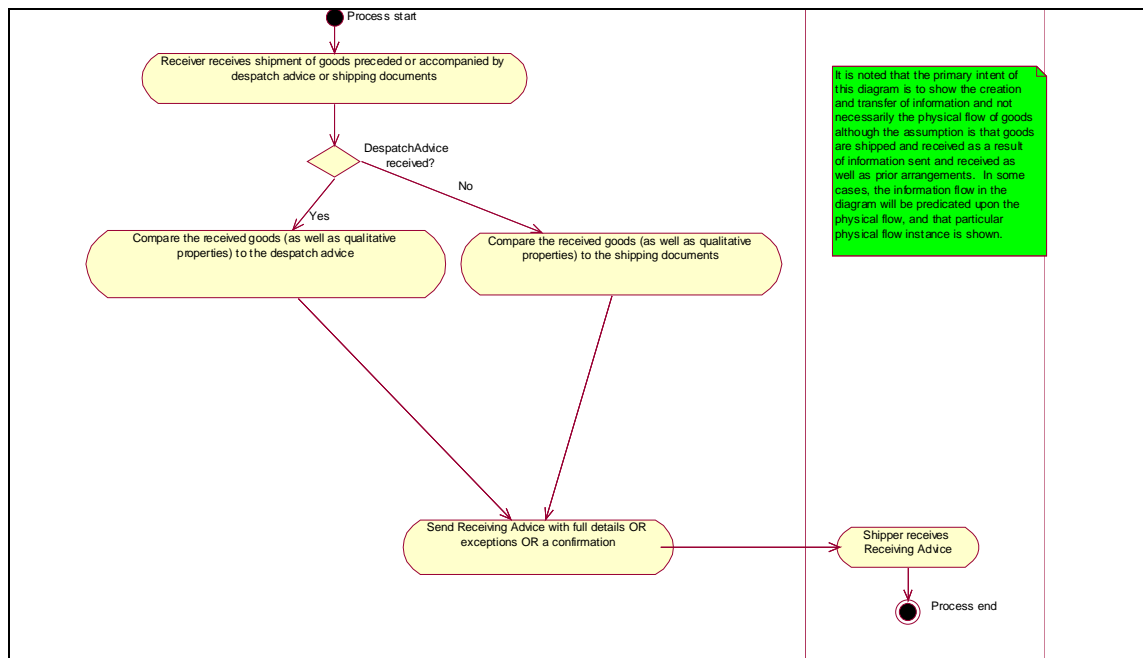
#### 4.1.2. Use Case Description

<b>Use Case ID</b>	
<b>Use Case Name</b>	Create and Send Receiving Advice
<b>Use Case Description</b>	Describes a complete process whereby a Receiver generates a Receiving Advice based on information gained from received goods and physical or electronic documents from a Shipper.
<b>Actors (Goal)</b>	Receiver and Shipper
<b>Performance Goals</b>	None
<b>Preconditions</b>	Master data alignment of locations (GLNs) and products (GTINs).
<b>Post conditions</b>	Indication of exceptions, full-detailed comparison or confirmation between goods received and goods advised as despatched.

Scenario	<b>Begins when:</b> The Receiver receives a shipment of goods accompanied or preceded by the Despatch Advice or Shipping Documents.		
	<b>Continues with:</b>		
	<b>Step #</b>	<b>Actor</b>	<b>Activity Step</b>
	1.	Receiver	Sends Receiving Advice message to the Shipper
	2.	Shipper	Receives Receiving Advice Message
	<b>Ends when:</b> Receiver compares the received goods (as well as qualitative properties) to what was advised as being sent on the despatch advice or shipping documents.		
Alternative Scenario	Not Applicable		
Business Transaction Rules	1.	Receiving Advice will include full details OR exceptions OR a confirmation of the received goods compared to what was advised as being despatched on the despatch advice or shipping documents	

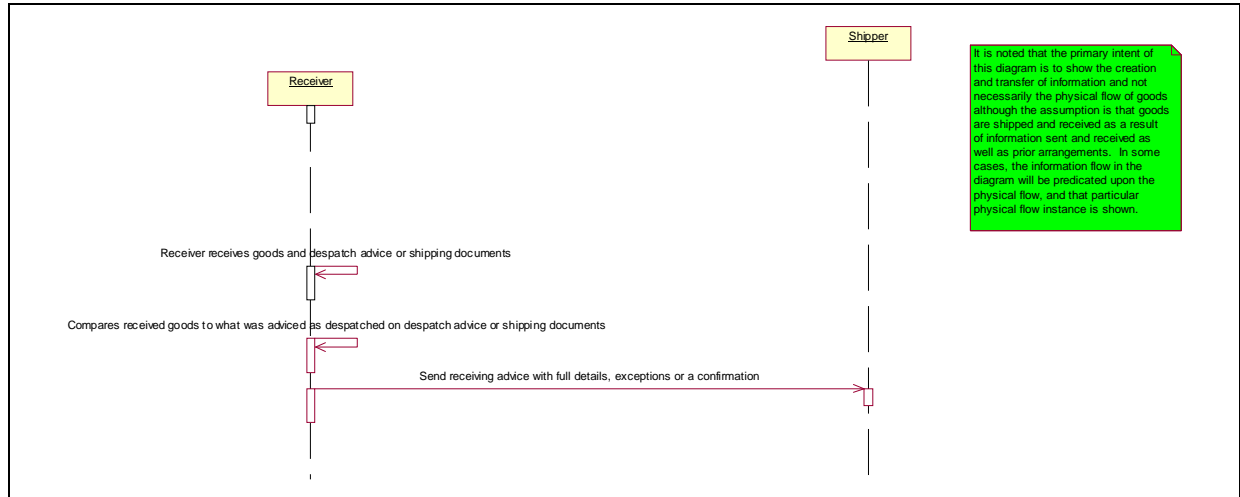
### 4.1.3. Business Transaction Activity Diagram(s)

**Figure 4-1** Activity Diagram: Process Receiving Advice



#### 4.1.4. Business Transaction Sequence Diagram(s)

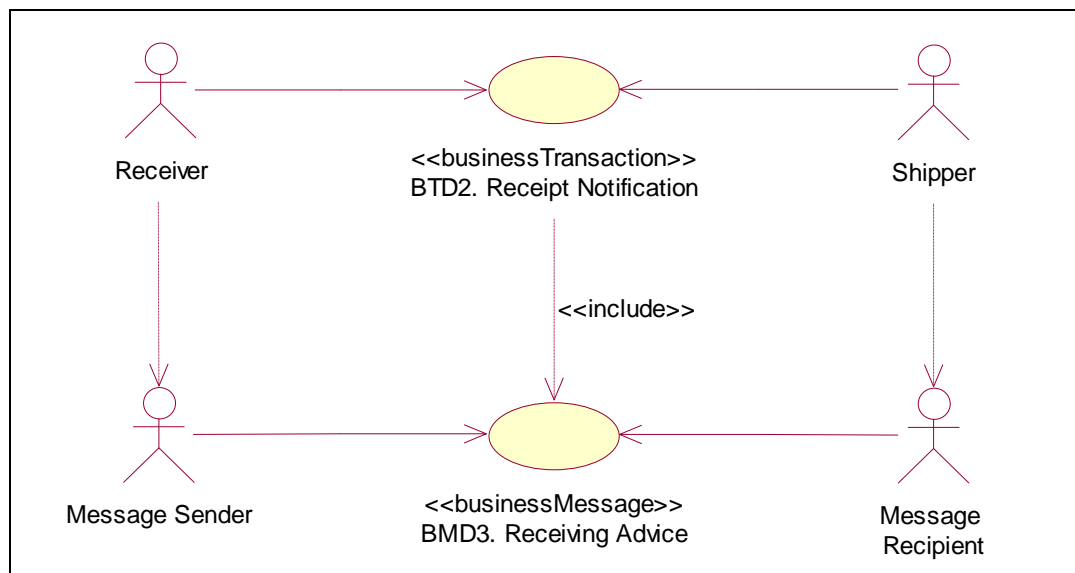
Figure 4-2 Sequence Diagram: Process Receiving Advice



## 4.2. Business Transaction RECEIPT NOTIFICATION

### 4.2.1. Business Transaction Use Case Diagram

Figure 4-3 Use Case Diagram: Business Transaction



## 4.2.2. Use Case Description

<b>Use Case ID</b>	BTD2										
<b>Use Case Name</b>	Receipt Notification										
<b>Use Case Description</b>	Describes the receipt notification process.										
<b>Actors (Goal)</b>	Receiver: To inform the Shipper about the contents of a received shipment. Shipper: To be informed about the contents and conditions of the shipment at arrival at the destination.										
<b>Performance Goals</b>	The receipt notification must be sent shortly after the receipt of the shipment in order to avoid invoicing errors.										
<b>Preconditions</b>	GOODS: RECEIVED, COUNTED AND CHECKED DISPATCH NOTIFICATION: RECEIVED (BY RECEIVER)										
<b>Post conditions</b>	RECEIPT NOTIFICATION: RECEIVED (BY SHIPPER)										
<b>Scenario</b>	<p><b>Begins when:</b></p> <p><b>Continues with:</b></p> <table border="1"> <thead> <tr> <th>Step #</th><th>Actor</th><th>Activity Step</th></tr> </thead> <tbody> <tr> <td>2.</td><td>Receiver</td><td>Sends Receiving Advice to the Ship From party.</td></tr> <tr> <td>3.</td><td>Shipper</td><td>Receives the Receiving Advice.</td></tr> </tbody> </table> <p><b>Ends when:</b></p>		Step #	Actor	Activity Step	2.	Receiver	Sends Receiving Advice to the Ship From party.	3.	Shipper	Receives the Receiving Advice.
Step #	Actor	Activity Step									
2.	Receiver	Sends Receiving Advice to the Ship From party.									
3.	Shipper	Receives the Receiving Advice.									
<b>Alternative Scenario</b>	Not Applicable										
<b>Business Transaction Rules</b>	Not Applicable										

## 5. Information Model (Including GDD Report)

### 5.1. GDD Receiving Advice

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
ReceiptInformation				Receipt Information. Details	This class provides for the reporting of the shipment details which includes the receiving date, consignor shipment identification and optional purchase order identification. This class is mandatory. This class has two attributes. - Consignor Shipment				
	despatchAdviceDeliveryDateTime			Receipt Information. Despatch Advice Delivery Date Time. Date Time	Contains the planned delivery date time that was communicated in the despatch advice.	0..1	Date Time. Content Date Time. Format. Text	BRAD Receiving Advice 2.1.1	No restrictions
	receivingDateTime			Receipt Information. Receiving Date Time. Date Time	Contains the date and time the goods were actually received.	1..1	Date Time. Content Date Time. Format. Text	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-4}	No restrictions
ReceivingAdvice				Receiving Advice. Details	The ReceivingAdvice class is the data class that creates the response message that the Receiver sends to the Shipper. It is the root class in the diagram.				
	reportingCode			Receiving Advice. Reporting Code. Reporting_ Code	Contains the type of receipt notification that is being communicated: partial or full.	1..1	Code. Content	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-9}	Facets constrained by code list values

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
			Document	Receiving Advice. Inheritance_ Association. Electronic_ Document	This information on Document for ReceivingAdvice.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-2,3}	
		despatchAdvice	DocumentReference	Receiving Advice. Despatch Advice. Document Reference	Contains the reference to the despatch advice message to which the information in the receiving advice refers	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-10}	
		receivingAdviceIdentification	EntityIdentification	Receiving Advice. Receiving Advice Identification. Entity Identification	Contains the unique identifier of the business document.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-1}	
		carrier	PartyIdentification	Receiving Advice. Carrier. Party Identification	Carrier charged with delivery of goods.	0..*		BRAD Receiving Advice 2.1.1	
		inventoryLocation	PartyIdentification	Receiving Advice. Inventory Location. Party Identification	Identification of the location where the goods will be or have been stored.	0..1		CR07-408	
		receiver	PartyIdentification	Receiving Advice. Receiver. Party Identification	A party who engages in receiving goods	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-6}	
		shipFrom	PartyIdentification	Receiving Advice. Ship From. Party Identification	Identification of the location from where goods will be or have been shipped.	0..1		New requirement added during technical public review.	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		shipper	PartyIdentification	Receiving Advice. Shipper. Party Identification	A party who engages in shipping goods	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-7}	
		shipTo	PartyIdentification	Receiving Advice. Ship To. Party Identification	Identification of the location to where goods will be or have been shipped.	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-8}	
			ReceiptInformation	Receiving Advice. Association. Receipt Information	This information on ReceiptInformation for ReceivingAdvice	1..1			
			ReceivingAdviceItemContainmentLineItem	Receiving Advice. Choice_ Association. Receiving Advice Item Containment Line Item	This information on ReceivingAdviceItemContainmentLineItem for ReceivingAdvice	0..*			
			ReceivingAdviceLogisticUnitLineItem	Receiving Advice. Choice_ Association. Receiving Advice Logistic Unit Line Item	This information on ReceivingAdviceLogisticUnitLineItem for ReceivingAdvice	0..*			
		billOfLadingNumber	Reference	Receiving Advice. Bill Of Lading Number. Reference	Contains a reference to the bill of lading that accompanied the received goods.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-11}	

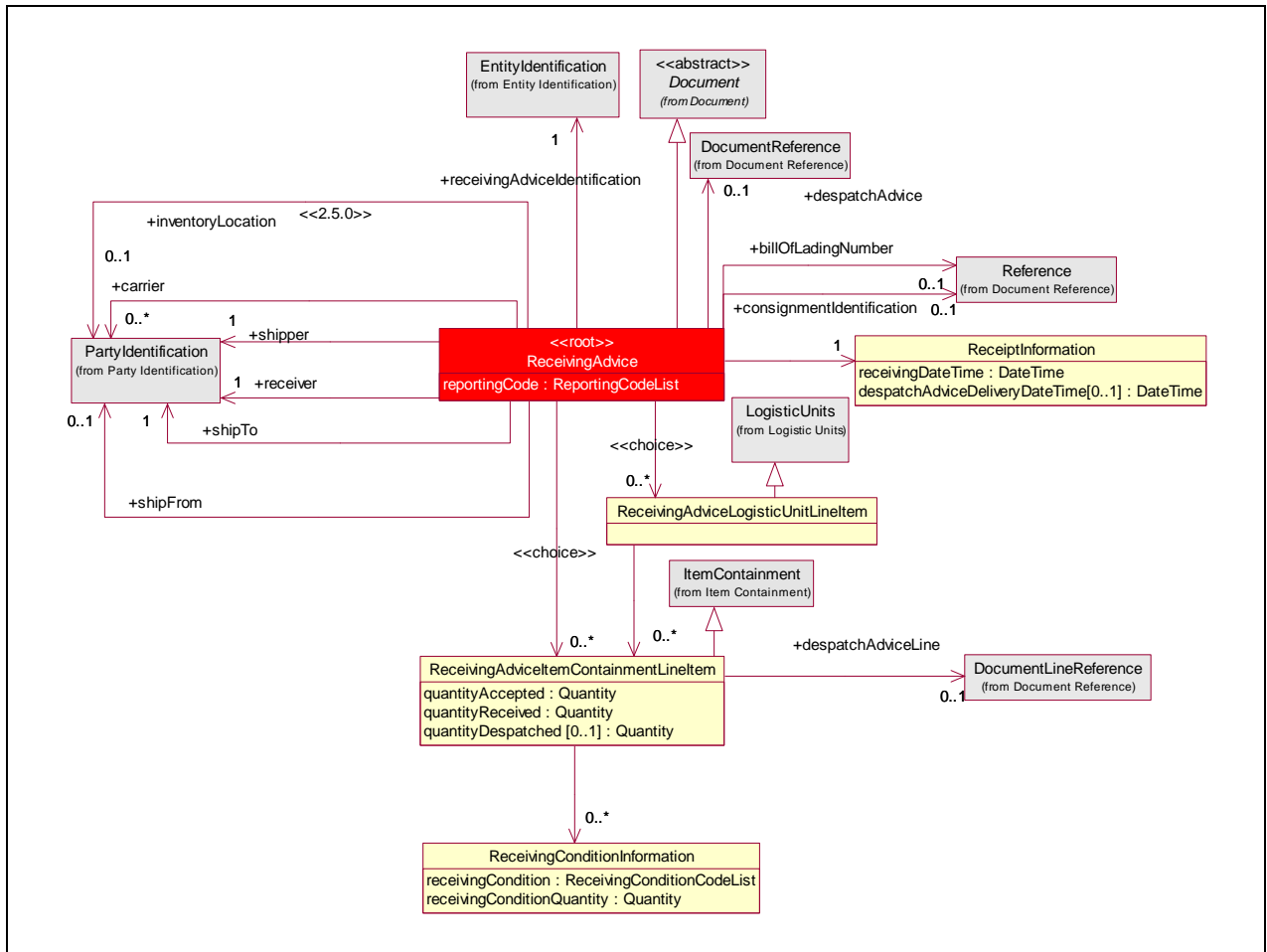
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		consignment Identification	Reference	Receiving Advice. Consignment Identification. Reference	Number that identifies the consignment. (In case consignment consists of one shipment, it coincides with the shipment number). The Consignment Number, AI (401), is allocated by a freight forwarder, (or a carriers acting as a freight forwarder), or a consignor, but only if the prior agreement of the freight forwarder is given. Consignment: A logical grouping of goods (one or more physical entities) that is intended to be transported as a whole from a Shipper (Consignor) to a Receiver (Consignee) by a carrier or freight forwarder.	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-11}	
ReceivingAdviceItemContainmentLineItem				Receiving Advice Item Containment Line Item. Details	Contains detailed information about the received goods.				
	quantityAccepted			Receiving Advice Item Containment Line Item. Quantity Accepted. Quantity	Number of units accepted.	1..1	Quantity. Content Quantity Unit. Code Quantity Unit. Code List Agency. Identifier	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-21}	No Restrictions
	quantityDespatched			Receiving Advice Item Containment Line Item. Quantity Despatched. Quantity	Number of units dispatched	0..1	Quantity. Content Quantity Unit. Code Quantity Unit. Code List Agency. Identifier	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-22}	No Restrictions
	quantityReceived			Receiving Advice Item Containment Line Item. Quantity Received. Quantity	Number of units received.	1..1	Quantity. Content Quantity Unit. Code Quantity Unit. Code List Agency. Identifier	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-20}	No Restrictions

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
		despatchAdviceLine	DocumentLineReference	Receiving Advice Item Containment Line Item. Despatch Advice Line. Document Line Reference	Contains the reference to the despatch advice line to which the information in the receiving advice line item refers	0..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-10}	
			ItemContainment	Receiving Advice Item Containment Line Item. Inheritance. Item Containment	This information on ItemContainment for ReceivingAdviceItemContainmentLineItem	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-12, 16, 17, 18, 19}	
			ReceivingConditionInformation	Receiving Advice Item Containment Line Item. Association. Receiving Condition Information	This information on ReceivingConditionInformation for ReceivingAdviceItemContainmentLineItem	0..*			
ReceivingAdviceLogisticUnitLineItem				Receiving Advice Logistic Unit Line Item. Details	Contains detailed information about the received logistic units.				
			LogisticUnits	Receiving Advice Logistic Unit Line Item. Inheritance. Logistic Unit	This information on LogisticUnits for ReceivingAdviceLogisticUnitLineItem	1..1		BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-12,14,15}	
			ReceivingAdviceItemContainmentLineItem	Receiving Advice Logistic Unit Line Item. Association. Receiving Advice Item Containment Line Item	This information on ReceivingAdviceItemContainmentLineItem for ReceivingAdviceLogisticUnitLineItem	0..*			
ReceivingConditionInformation				Receiving Condition Information. Details	Contains information about the state of the received goods, such as discrepancies, quality issues, surpluses, ....				

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Data Type Components	Related Requirements	Facets
	receivingCondition			Receiving Condition Information. Receiving Condition. Receiving Condition Code List_ Code	Contains a code that specifies the condition of the received goods.	1..1	Code. Content	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-23}	Facets constrained by code list values
	receivingConditionQuantity			Receiving Condition Information. Receiving Condition Quantity. Quantity	Specification of discrepancies between quantity accepted, quantity received, quantity dispatched	1..1	Quantity. Content Quantity Unit. Code Quantity Unit. Code List Agency. Identifier	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1{7.2.1-24,25}	No Restrictions

## 5.2. Class Diagram Receiving Advice

Figure 5-1 Class Diagram: Receiving Advice



✓ **Note:** Reference Common Library BMS Release 2.5.0 for common information.

## 5.3. Code Lists

✓ **Note:** Reference Common Library BMS Release 2.5.0 for complete code lists.

## 6. Business Document Example

The following is an example of a receiving advice 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 (Receiver 8712345678913).

The receiving advice is sent by the manufacturer (Receiver 8712345678913) to the material supplier (Shipper 8812345678903).

The reported receipt consists of .....

ReceivingAdvice	
- creationDateTime	2005-02-09T11:00:00
- documentStatus	ORIGINAL
- reportingCode	FULL_DETAILS
EntityIdentification (+receivingAdviceIdentification)	
- uniqueCreatorIdentification	2005001
PartyIdentification (+contentOwner)	
- gLN	8712345678913
PartyIdentification (+shipper)	
- gLN	8812345678903
PartyIdentification (+receiver)	
- gLN	8712345678913
PartyIdentification (+shipTo)	
- gLN	8712345678920
DocumentReference (+despatchAdvice)	
EntityIdentification	
- uniqueCreatorIdentification	2004000012
PartyIdentification (+contentOwner)	
- gLN	8812345678903
ReceivingAdviceLogisticUnitLineItem *1	
- packageType	PE (pallet, modular)
LogisticUnitIdentification	
serialShipmentContainerCode	881234567000010112
ReceivingAdviceItemContainmentLineItem *1.1	
- lineItemNumber	1
- quantityAccepted	50 KGM
- quantityReceived	90.50 KGM
- quantityDespatched	100.50 KGM
TradeItemIdentification (+containedItemIdentification)	
- gTIN	08712345678906
DocumentLineReference (+despatchAdviceLine)	

ReceivingAdvice	
- lineItemNumber	23
ReceivingConditionInformation *1.1.1	
- receivingCondition	DAMAGED_PRODUCT_OR_CONTAINER
- receivingConditionQuantity	40.50 KGM
ReceivingConditionInformation *1.1.2	
- receivingCondition	GOOD_CONDITION
- receivingConditionQuantity	50 KGM
ReceivingConditionInformation *1.1.3	
- receivingCondition	QUANTITY_SHORT
- receivingConditionQuantity	10 KGM

## 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	BMS Version	Associated CR
ReceivingAdvice: <ul style="list-style-type: none"> <li>added optional association to PartyIdentification with role name +shipFrom.</li> <li>changed rolename +despatchAdviceReference into +despatchAdvice</li> </ul> ReceivingAdviceItemContainmentLineItem: <ul style="list-style-type: none"> <li>changed rolename +despatchAdviceLineReference into +despatchAdviceLine</li> </ul>	3.2.3	04-000211

Change	BMS Version	Associated CR
Added association ReceivingAdvice+inventoryLocation(0..1) to Party Identification Entered Related Requirements into GDD Platform	4.0.0	07-000408 08-000209
Update for Final Public Review For BMS Release 2.5.0 Prep document for public review on 01-Dec-2008 Remove Code Lists & Add notes to reference Common Library BMS for Code Lists and Common Information.  Change to UML and GDD to be backward compatible to BMS release 2.1.0 which was ReceivingAdvice→DocumentReference Changed rolename <ul style="list-style-type: none"> <li>■ FROM +despatchAdviceReference</li> <li>■ TO: +despatchAdvice</li> </ul>	4.1.0	Not Applicable
Updated BMS to Approved Status eBallot Approved Release 2.5.0	Issue 4.1.0	Not Applicable