

The Global Language of Business

# Warehouse Outbound Instruction and Notification Business Message Standard (BMS)

Release 3.6, Ratified, Mar 2023





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# **Business Requirements Document (BRAD) Reference**

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15-Sep-2014	BMS 3.2 – Issue 1	Ewa Iwicka	BMS Release 3.2	See summary of changes
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# **1** Business Domain View

# 1.1 Introduction

#### Message Definition

#### Warehousing Outbound Instruction Message Definition

The Warehousing Outbound Instruction message enables a Logistic Services Client (LSC) to inform his Logistic Services Provider (LSP) that goods need to be shipped.

#### Warehousing Outbound Notification Message Definition

The Warehousing Outbound Notification message enables a Logistic Services Provider (LSP) to inform his Logistic Services Client (LSC) on the status of goods shipped on behalf of the client.

#### **Principles**

These messages support the warehouse outbound process.

## 1.2 References

[LIM] GS1 Logistics Interoperability Model, 1.0, GS1 2007
[BRAD\_WIO] BRAD Warehousing Inbound and Outbound Processes, 1.0, GS1 2012
[BMS\_Shared] BMS Shared Common Library, 3.6, GS1 2023
[BMS\_eCom] BMS eCom Common Library, 3.6, GS1 2023
[BMS\_Warehousing] BMS Warehousing Common Library, 3.6, GS1 2023

# 2 Business Context

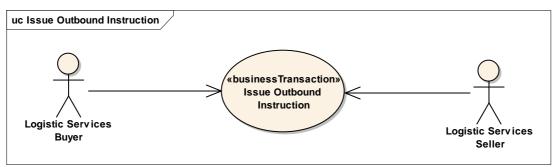
Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Warehousing – Outbound Operations
System Capabilities	GS1 System
Official Constraints	None



# **3 Business Transaction View**

# **3.1** Business Transaction – Issue Outbound Instruction

#### Use case diagram



#### Use case description

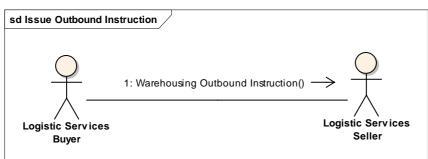
Use Case Name	Issue Warehousing Outbound Instruction
Use Case Description	The Logistic Services Buyer (LSB) informs the Logistic Services Seller (LSS) that a shipment needs to be prepared.
Actors (Goal)	Logistic Services Buyer (LSB) Logistic Services Seller (LSS)
Performance Goals	Not applicable
Preconditions	Item master data of the goods to be shipped have been communicated to the Logistic Services Seller.
Post conditions	The Logistic Services Seller has been informed on the goods to be shipped.
Main Scenario	<ul> <li>LSB generates the Warehousing Outbound Instruction from his (enterprise resource planning) system.</li> <li>LSB sends the Warehousing Outbound Instruction to the LSS.</li> <li>LSS receives the Warehousing Outbound Instruction.</li> <li>LSS processes the Warehousing Outbound Instruction in his (warehouse management) system.</li> </ul>
Alternative Scenario(s)	Not applicable
Related Requirements	Not applicable
Related Rules	Not applicable

#### Activity diagram

Not applicable

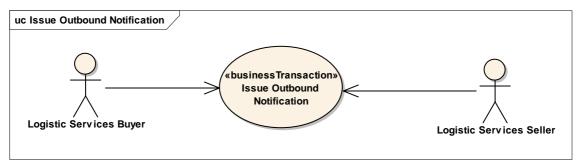


#### Communication diagram



# **3.2 Business Transaction – Issue Outbound Notification**

#### Use case diagram



#### **Use case description**

Use Case Name	Issue Warehousing Outbound Notification
Use Case Description	The Logistic Services Seller (LSS) informs the Logistic Services Buyer (LSB) on the status of an outbound shipment that will be / has been prepared.
Actors (Goal)	Logistic Services Buyer (LSB) Logistic Services Seller (LSS)
Performance Goals	Not applicable
Preconditions	The Logistic Services Seller has been informed on the goods to be shipped.
Post conditions	The Logistic Services Buyer has been informed on the status of the outbound shipment.
Main Scenario	<ul> <li>LSS generates the Warehousing Outbound Notification from his (warehouse management) system.</li> <li>LSS sends the Warehousing Outbound Notification to the LSB.</li> <li>LSB receives the Warehousing Outbound Notification.</li> <li>LSB processes the Warehousing Outbound Notification in his (enterprise</li> </ul>
	resource planning) system.
Alternative Scenario(s)	Not applicable
<b>Related Requirements</b>	Not applicable
Related Rules	Not applicable

#### **Activity diagram**

Not applicable



#### **Communication diagram**

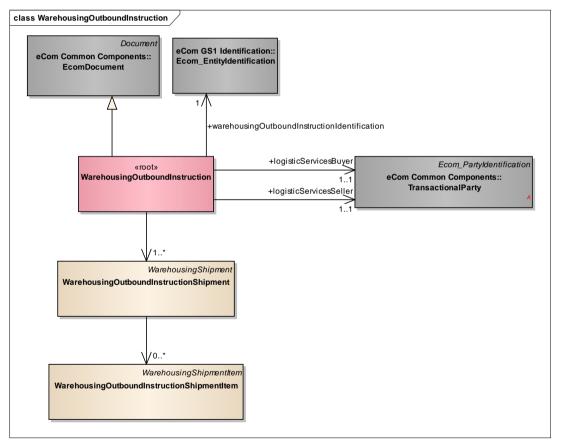




# 4.1 Warehousing Outbound Instruction

**Class diagram** 

**I**GS





#### **GDD** report

The content of the WarehousingOutboundInstruction class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3\_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:WarehousingOutboundInstruction">http://apps.gs1.org/GDD/bms/Version3\_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:WarehousingOutboundInstruction</a>

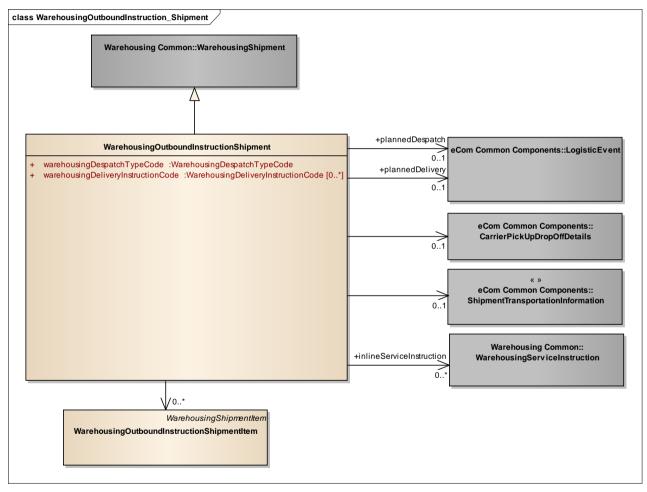
Content	Attribute / Role	Datatype /Secondary class	Multiplicit y	Definition	Requirements
WarehousingOutbo undInstruction				Message that supports the warehouse outbound process, and enables a Logistic Services Client (LSC) to inform his Logistic Services Provider (LSP) that goods need to be shipped.	
Association		WarehousingOutbound InstructionShipment	1*	Information on the shipments that need to be prepared by the logistics services seller.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	[brad- whiop:insdes-1]
Association	logisticServices Seller	TransactionalParty	11	A party that provides logistics services to another party.	[brad- whiop:insdes-3]
Association	warehousingOu tboundInstructi onIdentification	Ecom_EntityIdentificat ion	11	The identification of the warehousing outbound instruction document.	[brad- whiop:insdes-1] WR 15-000314
Association	logisticServices Buyer	TransactionalParty	11	A party that purchases logistics services from another party.	[brad- whiop:insdes-2]

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.



# **4.2 Warehousing Outbound Instruction – Shipment**

#### **Class Diagram**





#### **GDD** Report

The content of the WarehousingOutboundInstructionShipment 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:WarehousingOutboundInstructionShipment

Content	Attribute / Role	Datatype /Secondary class	Multiplicit y	Definition	Requirements
WarehousingOut boundInstruction Shipment				A shipment is an identifiable collection of one or more Trade Items available to be transported together from the shipper (Original Consignor/Shipper), to the receiver (Final/Ultimate Consignee).	[brad- whiop:insdes- 4]
Association	plannedDelivery	LogisticEvent	01	Details on the date and time the goods need to be delivered.	[brad- whiop:insdes- 4.1]
Association		CarrierPickUpDropOffD etails	01	Details on the carrier that will deliver the goods.	[brad- whiop:insdes- 4.6]
Generalization		WarehousingShipment			
Association	plannedDespatc h	LogisticEvent	01	Details on the date and time the goods need to be despatched.	[brad- whiop:insdes- 4.2]
Association	inlineServiceIns truction	WarehousingServiceIn struction	0*	Details on one or more services to be performed by the logistic services seller during outbound processing.	[brad- whiop:insdes- 4.7]
Association		WarehousingOutbound InstructionShipmentIt em	0*	Details on the items that need to be shipped.	
Association		ShipmentTransportati onInformation	01	Instructions on the way the shipment needs to be transported.	[brad- whiop:insdes- 4.5]
Attribute	warehousingDe spatchTypeCod e	WarehousingDespatch TypeCode	11	Code specifying the type of despatch for the shipment, for example picked from stock or cross-docked.	[brad- whiop:insdes- 4.3]



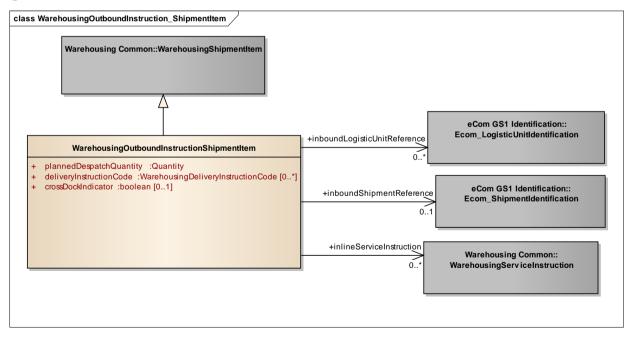
#### Warehouse Outbound Instruction and Notification Business Message Standard (BMS)

Content	Attribute / Role	Datatype /Secondary class	Multiplicit Y	Definition	Requirements
Attribute	warehousingDel iveryInstruction Code	WarehousingDeliveryI nstructionCode	0*	Code specifying special order / delivery conditions.	[brad- whiop:insdes- 4.4] perhaps reuse some values of OrderInstructi onCode

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

## 4.3 Warehousing Outbound Instruction – Shipment Item

#### **Class Diagram**





#### **GDD Report**

The content of the WarehousingOutboundInstructionShipmentItem 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:WarehousingOutboundInstructionShipmentItem

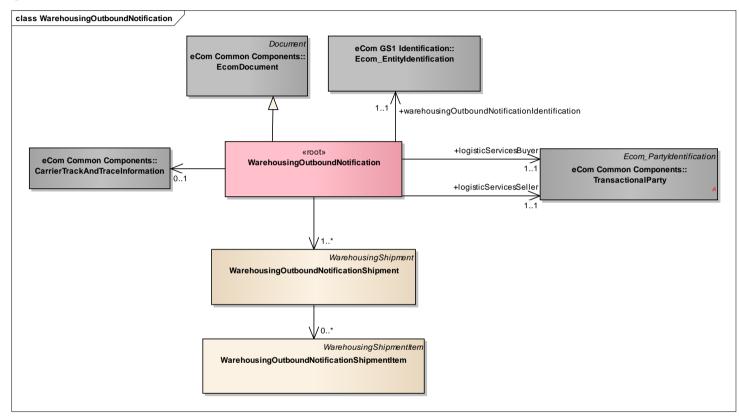
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
WarehousingOutboundI nstructionShipmentIte m				A shipment item is collection of trade items and related logistic units that can each be identified (uniquely) within a shipment.	[brad-whiop:insdes-5]
Association	inboundShipmen tReference	Ecom_ShipmentIdentifica tion	01	Reference to the cross-docked receipt from which the item has to be taken.	[brad-whiop:insdes-5.4] WR 15-000314
Generalization		WarehousingShipmentIte m			
Association	inboundLogisticU nitReference	Ecom_LogisticUnitIdentifi cation	0*	Reference to the cross-docked logistic unit from which the item has to be taken.	[brad-whiop:insdes-5.5] WR 15-000314
Association	inlineServiceInst ruction	WarehousingServiceInstr uction	0*	Instruction specifying a service to be carried out by the logistic services seller during the inbound process.	[brad-whiop:insdes-5.6]
Attribute	plannedDespatch Quantity	Quantity	11	The quantity that is ordered / planned to be despatched.	[brad-whiop:insdes-5.1]
Attribute	deliveryInstructi onCode	WarehousingDeliveryInstr uctionCode	0*	Code specifying special order / delivery conditions.	[brad-whiop:insdes-5.2] perhaps reuse some values of OrderInstructionCode
Attribute	crossDockIndicat or	boolean	01	Indication whether or not the shipped item needs to be taken from a cross- docked receipt instead of from stock.	

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.



## 4.4 Warehousing Outbound Notification

#### **Class Diagram**



#### GDD Report

The content of the WarehousingOutboundNotification class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3\_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:WarehousingOutboundNotification">http://apps.gs1.org/GDD/bms/Version3\_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:WarehousingOutboundNotification</a>



#### Warehouse Outbound Instruction and Notification Business Message Standard (BMS)

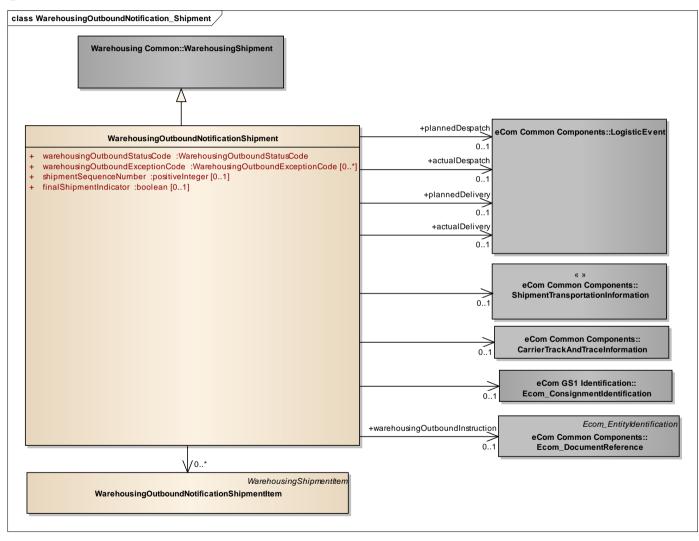
Content	Attribute / Role	Datatype /Secondary class	Multiplicit Y	Definition	Requirements
WarehousingOut boundNotificatio n				Message that supports the warehouse outbound process, and enables a Logistic Services Provider (LSP) to inform his Logistic Services Client (LSC) on the status of goods shipped on behalf of the client.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	[brad-whiop:obsta- 1]
Association		WarehousingOutboundN otificationShipment	1*	Status information on the shipments that have been shipped or are expected to be shipped.	
Association	logisticServices Seller	TransactionalParty	11	A party that provides logistics services to another party.	[brad-whiop:obsta-3]
Association	logisticServices Buyer	TransactionalParty	11	A party that purchases logistics services from another party.	[brad-whiop:obsta-2]
Association	warehousingOu tboundNotificati onIdentification	Ecom_EntityIdentificatio n	11	The identification of the warehousing outbound notification document.	[brad-whiop:obsta-1] WR 15-000314
Association		CarrierTrackAndTraceInf ormation	01	Tracking and tracing information about the package, provided by the carrier.	WR 15-000314

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.



### 4.5 Warehousing Outbound Notification – Shipment

#### **Class Diagram**





#### **GDD** Report

The content of the WarehousingOutboundNotificationShipment 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:WarehousingOutboundNotificationShipment

Content	Attribute / Role	Datatype /Secondary class	Multiplicit y	Definition	Requirements
WarehousingOut boundNotificatio nShipment				A shipment is an identifiable collection of one or more Trade Items available to be transported together from the shipper (Original Consignor/Shipper), to the receiver (Final/Ultimate Consignee).	[brad-whiop:obsta- 4]
Association	actualDelivery	LogisticEvent	01	Details on the date and time the goods were actually delivered.	[brad-whiop:obsta- 4.7]
Association		Ecom_ConsignmentIde ntification	01	Identification of the consignment that contains the shipment.	[brad-whiop:obsta- 4.10.2] WR 15-000314
Generalization		WarehousingShipment			
Association	plannedDelivery	LogisticEvent	01	Details on the date and time the goods were planned to be delivered.	[brad-whiop:obsta- 4.6]
Association		CarrierTrackAndTraceIn formation	01	Package tracking and tracing references provided by the Carrier.	
Association	warehousingOu tboundInstructi on	DocumentReference	01	A reference to the related outbound instruction message.	
Association		WarehousingOutbound NotificationShipmentIte m	0*	Details on the items contained in the shipment.	
Association	plannedDespatc h	LogisticEvent	01	Details on the date and time the goods were planned to be despatched.	[brad-whiop:obsta- 4.4]
Association	actualDespatch	LogisticEvent	01	Details on the date and time the goods were actually despatched.	[brad-whiop:obsta- 4.5]
Association		ShipmentTransportatio nInformation	01	Information on the way the shipment was transported.	[brad-whiop:obsta- 4.10.1]



#### Warehouse Outbound Instruction and Notification Business Message Standard (BMS)

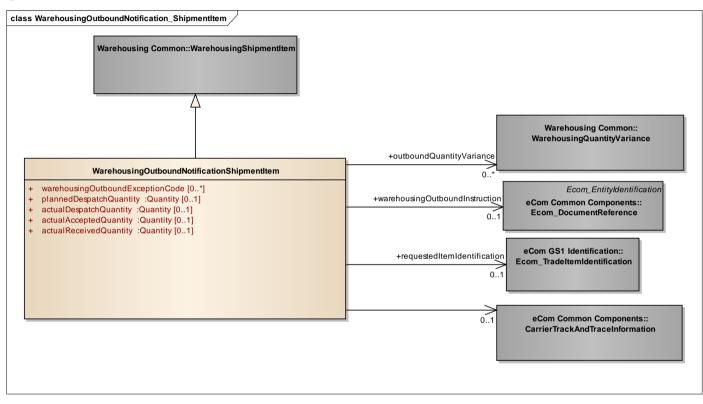
Content	Attribute / Role	Datatype /Secondary class	Multiplicit y	Definition	Requirements
Attribute	warehousingOu tboundStatusCo de	WarehousingOutbound StatusCode	11	Code specifying the status of the outbound delivery.	[brad_wio:ibsta- 4.2]
Attribute	warehousingOu tboundExceptio nCode	WarehousingOutbound ExceptionCode	0*	Codes specifying an exception that occurred during the outbound process.	[brad_wio:ibsta- 4.3]
Attribute	shipmentSeque nceNumber	positiveInteger	01	A number indicating the sequence in which shipments related to the same delivery were despatched.	
Attribute	finalShipmentIn dicator	boolean	01	Indicator specifying if a shipment, being one of multiple shipments for the same delivery, is the final shipment. See also shipmentSequenceNumber.	

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.



## 4.6 Warehousing Outbound Notification – Shipment Item

#### **Class Diagram**



#### GDD Report

The content of the WarehousingOutboundNotificationShipmentItem 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:WarehousingOutboundNotificationShipmentItem



#### Warehouse Outbound Instruction and Notification Business Message Standard (BMS)

Content	Attribute / Role	Datatype /Secondary class	Multiplicit y	Definition	Requirements
WarehousingOutbound NotificationShipmentIte m				A shipment item is collection of trade items and related logistic units that can each be identified (uniquely) within a shipment.	[brad- whiop:obsta-5]
Association		CarrierTrackAndTraceI nformation	01	Package tracking and tracing references provided by the Carrier.	WR 15-000314
Association	requestedItemI dentification	Ecom_TradeItemIdent ification	01	The identification of the trade item that was requested to be delivered, but was replaced with another trade item.	
Generalization		WarehousingShipment Item			
Association	warehousingOu tboundInstructi on	Ecom_DocumentRefer ence	01	A reference to the related line item in the outbound instruction.	WR 15-000314
Association	outboundQuanti tyVariance	WarehousingQuantity Variance	0*	Quantity and reason of a shortage or surplus occurring in a warehousing process.	[brad- whiop:obsta-5.7]
Attribute	warehousingOu tboundExceptio nCode		0*	Codes specifying an exception that occurred during the outbound process.	[brad_wio:obsta- 5.2]
Attribute	plannedDespatc hQuantity	Quantity	01	The number of items that were planned to be despatched.	[brad_wio:obsta- 5.3]
Attribute	actualDespatch Quantity	Quantity	01	The number of items that were despatched.	[brad_wio:obsta- 5.4]
Attribute	actualAccepted Quantity	Quantity	01	The number of items that were accepted by the receiver.	[brad_wio:obsta- 5.5]
Attribute	actualReceived Quantity	Quantity	01	The number of items that were received by the receiver.	[brad_wio:obsta- 5.6]

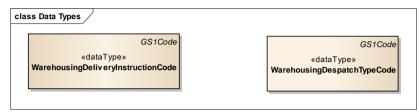
**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

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## 4.7 Warehousing Outbound Instruction - Data Types

#### **Class Diagram**



#### **GDD Report**

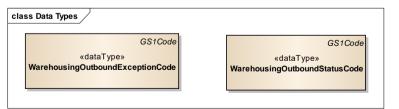
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
WarehousingDeliveryInstructionCode					
Generalization		GS1Code			
WarehousingDespatchTypeCode					
Generalization		GS1Code			



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

# 4.8 Warehousing Outbound Notification - Data Types

#### **Class Diagram**



#### **GDD Report**

Content	Attribute / Role	Datatype /Secondary class	Multiplic ity	Definition	Requirements
WarehousingOutboundExceptionCode					
Generalization		GS1Code			

	Warehouse Outbound Instruction and Notification Business Message Standard (BMS)					
Content	Attribute / Role	Datatype /Secondary class	Multiplic ity	Definition	Requirements	
WarehousingOutboundStatusCode						
Generalization		GS1Code				

**Note:** Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

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# 4.9 Enumerations (message specific)

Not applicable

# 4.10 Code Lists

Class	Codelist	GDD Link
WarehousingOutboundInstr uctionShipment, WarehousingOutboundInstr uctionShipmentItem	WarehousingDelivery InstructionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:WarehousingDeliveryInstructionCode
WarehousingOutboundInstr uctionShipment	WarehousingDespatc hTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:WarehousingDespatchTypeCode
WarehousingOutboundNotif icationShipment	WarehousingOutboun dExceptionCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:WarehousingOutboundExceptionCode
WarehousingOutboundNotif icationShipment	WarehousingOutboun dStatusCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:WarehousingOutboundStatusCode



**Note:** Refer to the Global Data Dictionary (GDD) for the code values.



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# 5 Business Message Examples

# 5.1 Example 1

This is an example of the Warehousing Outbound Instruction message.

#### **Party Information**

GS1 Global Location Number	Party Type
333333000001	Logistic Services Seller
222222000004	Logistic Services Buyer
333333000018	Shipper
44444400008	Receiver

#### Message Example 1

Attribute	Value
WarehousingOutboundInstruction	
creationDateTime	2012-07-17 12:15
documentStatusCode	ORIGINAL
documentActionCode	ADD
EntityIdentification (+warehousingOutboundInstructionIdentificat ion)	
entityIdentification	INSDES00123
TransactionalParty (+logisticServicesSeller)	
gln	333333000001
TransactionalParty (+logisticServicesBuyer)	
gln	222222000004
WarehousingOutboundInstructionShipment (+)	
warehousingDespatchTypeCode	WAREHOUSE_SHIPMENT
TransactionalParty (+receiver)	
gln	444444000008
TransactionalParty (+shipper)	
gln	333333000018
ShipmentTransportationInformation (+)	
transportServiceCategoryType	30
transportServiceLevelCode	STANDARD_SERVICE
LogisticEvent (+plannedDelivery)	
DateTimeRange (+logisticEventPeriod)	
beginDate	2012-07-18
beginTime	15:00
endDate	2012-07-18
endTime	16:00

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#### Warehouse Outbound Instruction and Notification Business

Attribute	Value
WarehousingOutboundInstructionShipmentIte m	
lineItemNumber	1
plannedDespatchQuantity	30
TransactionalTradeItem (+)	
gtin	01111111000120
WarehousingServiceInstruction (+inlineServiceInstruction)	
warehousingServiceConditionCode	BUILD_PALLET
WarehousingServiceAttribute (+)	
warehousingServiceAttributeTypeCode	PALLET_HEIGHT
warehousingServiceAttributeMeasurement	180 cm

# 5.2 Example 2

This is an example of the Warehousing Outbound Notification message.

#### Message Example 2

Attribute	Value
WarehousingOutboundNotification	
creationDateTime	2012-07-18 12:15
documentStatusCode	ORIGINAL
documentActionCode	ADD
EntityIdentification (+warehousingOutboundNotificationIdentific ation)	
entityIdentification	OBSTA00113
TransactionalParty (+logisticServicesSeller)	
gln	333333000001
TransactionalParty (+logisticServicesBuyer)	
gln	2222222000004
WarehousingOutboundNotificationShipment	
warehousingOutboundStatusCode	READY_TO_SHIP
TransactionalParty (+receiver)	
gln	444444000008
TransactionalParty (+shipper)	gln: 3333333000018
ShipmentIdentification (+)	
gsin	3333330000114050
WarehousingOutboundNotificationShipmentIt em	
lineItemNumber	1
warehousingOutboundExceptionCode	QUANTITY_ROUNDED
plannedDespatchQuantity	30

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#### Warehouse Outbound Instruction and Notification Business

Attribute	Value
actualDespatchQuantity	32
TransactionalTradeItem (+)	
gtin	01111111000120
WarehousingQuantityVariance (+outboundQuantityVariance)	
varianceQuantity	2
warehousingQuantityVarianceCode	QUANTITY_OVER
LogisticUnit	
tradeItemQuantity	16
LogisticUnitIdentification (+)	
sscc	13333330000003450
LogisticUnit	
tradeItemQuantity	16
LogisticUnitIdentification (+)	
sscc	13333330000003450

## 5.3 Example 3

This is a **complex example** of the Warehousing Outbound Instruction message. Logistic Services Buyer 2222222 instructs his Logistic Services Seller (3333333, the warehouse service provider) that goods need to be shipped and transported as follows:

- By a LSB designated carrier (5555555) to an LSB designated freight forwarder (6666666).
- Freight forwarder (6666666) will transport the goods overseas to a de-consolidation centre (4444444001104) controlled by the customer (4444444).
- From there the customer will arrange transport to the final customer location (444444002224).

#### Message Example 3

Attribute	Value	Comment
WarehousingOutboundInstructio n		
creationDateTime	2012-07-17 12:15	
documentStatusCode	ORIGINAL	
documentActionCode	ADD	
EntityIdentification (+warehousingOutboundInstruct ionIdentification)		
entityIdentification	INSDES00123	
TransactionalParty (+logisticServicesSeller)		The LS SELLER has a single central GLN to identify the single Integration Services Point of Contact for that LSS.
gln	333333000001	
TransactionalParty (+logisticServicesBuyer)		The LS BUYER has a single central GLN to identify the single Integration Services Point of Contact for that LSB.
gln	2222222000004	

#### Warehouse Outbound Instruction and Notification Business

Attribute	Value	Comment
WarehousingOutboundInstructio nShipment (+)		
warehousingDespatchTypeC ode	WAREHOUSE_SHIPMEN T	
TransactionalParty (+receiver)		Identifies <b>one of multiple</b> entities within the Customers (Material Buyer) organisation.
gln	444444000008	
TransactionalParty (+shipper)		Identifies the warehouse from which the LSS is expected to despatch the Order.
		The LS <b>SELLER may operate many</b> <b><u>different</u></b> warehousing sites even multiple different sites for the same LS BUYER. The GLN used to identify the sites are the GLN assigned and owned by the LS SELLER.
gln	333333000018	
TransactionalParty (+shipTo)		Identifies the facility (de-consolidation centre) where the Customer wants to get the Order delivered to by the forwarder. This GLN is assigned by the <u>Customer</u> <u>who may operate many different</u> <u>facilities</u> each of which (may be) identified with a GLN. The Customer should then also clearly identify/include this GLN in the Order placed on the Material Supplier (the LS BUYER).
gln	444444001104	
TransactionalParty (+ultimateConsignee)		Identifies the final delivery location for the Order. This GLN is assigned by the Customer (who is ultimately responsible for the delivery to this point). Clearly the Customer should include the appropriate GLN for the ultimateConsignee in the original Order placed on the Material Supplier (the LS BUYER).
gln	444444002224	
ShipmentTransportationInformat ion (+)		
transportServiceCategoryTy pe	30	
transportServiceLevelCode	STANDARD_SERVICE	
TransactionalParty (+carrier)		Identifies the specific entity within the Carriers organisation that will be responsible for the physical movement of the Order from the warehouse
gln	5555555000005	
TransactionalParty (+freightForwarder)		Identifies the location of the freight forwarder where the goods need to be dropped-off.
gln	6666666000002	
LogisticEvent (+plannedDelivery)		

Warehouse Outbound Instruction and Notification Business

Attribute	Value	Comment
DateOptionalTime (+logisticEventDateTime )		
date	2012-07-25	
WarehousingOutboundInstructio nShipmentItem		
lineItemNumber	1	
plannedDespatchQuantity	30	
TransactionalTradeItem (+)		
gtin	01111111000120	

# **6** Implementation Considerations

# 6.1 User Guide

The Functional User Guide contains more information about the structure and content of the Warehouse Outbound Instruction and Notification message: <u>http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-</u> Trade messages.html#WarehouseOutboundInstructionandNotification

# 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: <u>http://wr.gs1.org</u>. 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.

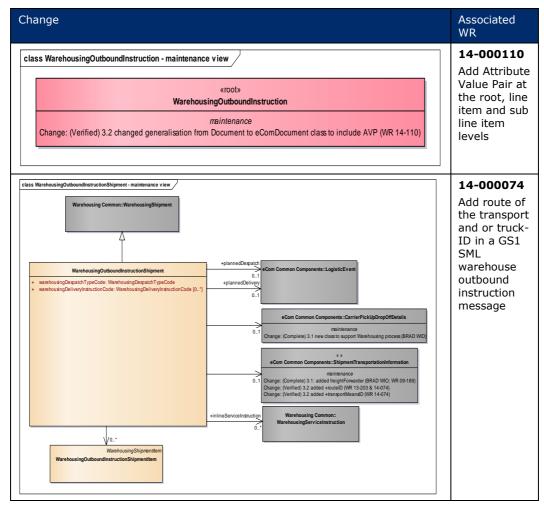


Note: WRs submitted earlier than February 2012 should be searched in Old Change Requests.

## 7.1 BMS Release 3.1

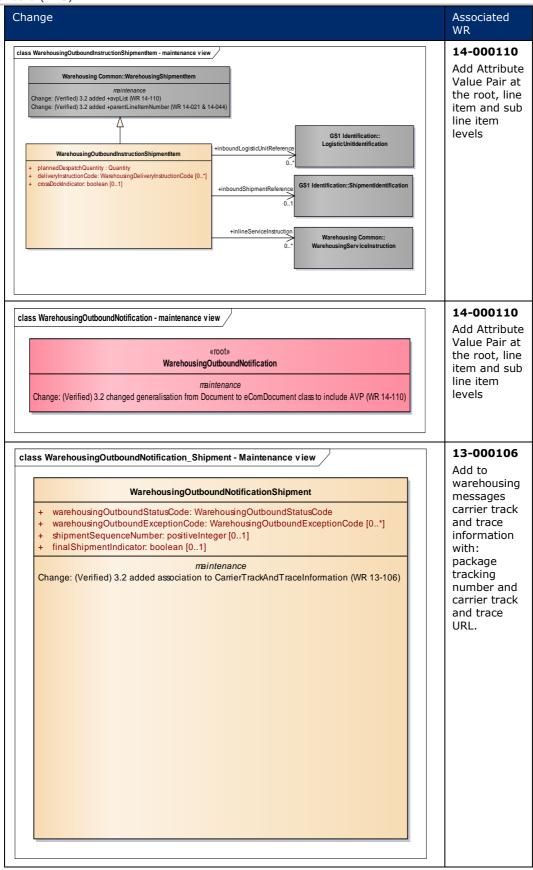
First release

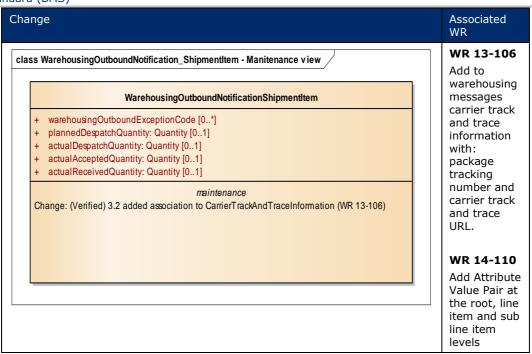
## 7.2 BMS Release 3.2



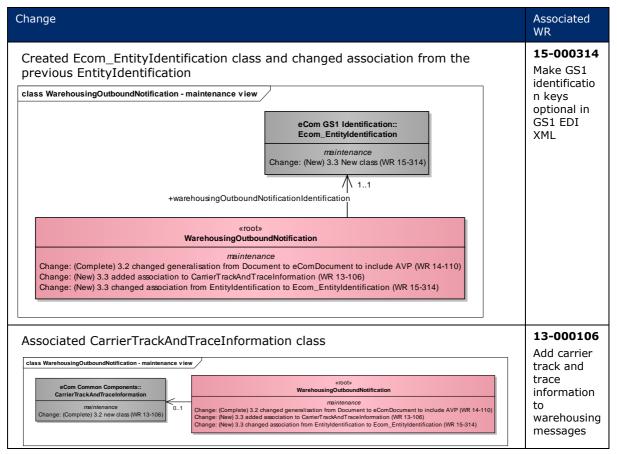
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#### Warehouse Outbound Instruction and Notification Business





# 7.3 BMS Release 3.3



#### Warehouse Outbound Instruction and Notification Business

Change	Associated WR
Created Ecom_DocumentReference class and changed association from the previous DocumentReference class and changed association from the transformation of	<b>15-000314</b> Make GS1 identificatio n keys optional in GS1 EDI XML
Created Ecom_DocumentReference class and changed association from the previous DocumentReference.	<b>15-000314</b> Make GS1 identificatio n keys optional in GS1 EDI XML
Created Ecom_TradeItemIdentification class and changed association from the previous TradeItemIdentification	15-000314 Make GS1 identificatio n keys optional in GS1 EDI XML
Created Ecom_EntityIdentification class and changed association from the previous EntityIdentification	Make GS1 identificatio n keys optional in GS1 EDI XML
Created Ecom_LogisticUnitIdentification class and changed association from the previous LogisticUnitIdentification	<b>15-000314</b> Make GS1 identificatio n keys optional in GS1 EDI XML



#### Warehouse Outbound Instruction and Notification Business

Change	Associated WR	
Created Ecom_ShipmentIdentification class and changed association from the previous ShipmentIdentification		
class WarehousingOutboundinstructionShipmentlem - maintenance view         WarehousingOutboundinstructionShipmentlem         + plannedDespatcOuantity - Clausity         + plannedDespatcOuantity - Clausity       + inboundShipmentReference         + closeDockIndicator :boolean (01)       + inboundShipmentReference         minintenance       minintenance         Change: (New) 3.3 changed association from ShipmentIdentification to Ecom_ShipmentIdentification (WR 15-314)       0.1         Change: (New) 3.3 changed association from ShipmentIdentification to Ecom_ShipmentIdentification (WR 15-314)       0.1	n keys optional in GS1 EDI XML	

## 7.4 BMS Release 3.4

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

## 7.5 BMS Release 3.5

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

#### 7.6 BMS Release 3.5.1

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

# 7.7 BMS Release 3.6

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, Rebone	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

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#### Warehouse Outbound Instruction and Notification Business

Function	Name	Company / organisation	
Member	De Flou, Nele	GS1 Belgium & Luxembourg	
Member	Dicks, Arne	GS1 Germany	
Member	Duvinger, Karina	GS1 Sweden	
Member	Foerderer, Klaus	GS1 Germany	
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Member	Grangard, Anders	GS1 Global Office	
Member	Harpell, Eileen	GS1 Community Room Staff	
Member	Hand, Phil	JDA Software	
Member	Herregodts, Kurt	GS1 Belgium & Luxembourg	
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Member	Kidd, Robin	Nestle	
Member	Krid, Anne-Claire	GS1 France	
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Member	Moberg, Dale	Ахway	
Member	Montes de Oca, Alejandra	GS1 Mexico	
Member	Ng, Ella	GS1 Australia	
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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	

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#### Warehouse Outbound Instruction and Notification Business

Function	Name	Company / organisation
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
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