

# Transport Status Request and Notification Business Message Standard (BMS)

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

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# **Document Change History**

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01-May- 2013	BMS 3.1 - Issue 1	Coen Janssen	BMS Release 3.1	See summary of changes
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15-Oct-2018	BMS 3.4 – Draft for community review	Ewa Iwicka	BMS Release 3.4	See summary of changes
08-Nov-2019	BMS 3.4.1 - Issue 1	Radhika Chauhan	BMS Release 3.4.1	See summary of changes



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### 1 Business Domain View

### 1.1 Introduction

### **Message Definition**

**Transport Status Request Message Definition** 

Message requesting information on the transport status and movements of a transport related object.

**Transport Status Notification Message Definition** 

This scenario allows for the exchange of information regarding the status of transport execution progress at any point (in time or place) within the full transport chain.

### **Principles**

A status message may be sent:

- as the result of a request or requests for information (through the Transport Status Request message) regarding a consignment or consignments;
- on a scheduled basis at predetermined times;
- on the occurrence of a selected event or events;
- on the occurrence of an exceptional event as agreed by the partners involved.

The status message can relate to a status (or statuses) that has (or have) been reached in a transport chain. Additionally, the message may report an exceptional status and the reason for that exceptional status.

In general the exchange of Transport Status Request and Transport Status Notification messages is optional and to be agreed between the LSC and LSP. However, normally at least one Transport Status message is provided by the LSP to the LSC and/or any other agreed party to inform those parties on the final delivery of the goods.

Current technology of IT devices installed on transport means or transport equipment (usually known as vehicle or assets track devices) allows to measure and communicate a set of parameters, such as:

- Temperature
- Position (GPS latitude and longitude)
- Speed
- Engine on/off
- Door status: open/closed
- Refrigeration system on/off
- Ftc

The Transport Status Notification message supports the inclusion of this kind of information.

### 1.2 References

Reference Name
BRAD Transport Management (GS1, 2009)
Logistics Interoperability Model (GS1, 2007)
BMS eCom Common Library 3.4 (GS1, 2014)
BMS Shared Common Library 3.4 (GS1, 2014)



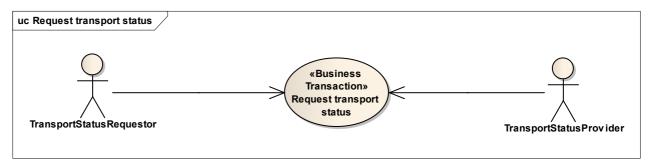
# 2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Deliver / Transport Management
System Capabilities	GS1 System
Official Constraints	None

# 3 Business Transaction View

# 3.1 Business Transaction – Request Transport Status

### **Use Case Diagram**



## **Use Case Description**

se case description						
Use Case ID	UC-1					
Use Case Name	Request tra	nsport status				
Use Case Description	To request information regarding the status of transport execution progress.					
Actors	Transport S	tatus Requestor				
(Goal)	Transport S	tatus Provider				
Performanc e Goals	Not applicable					
Preconditio ns	Interoperation agreement is in place.					
Post conditions	Transport status request has been received by the LSS					
Scenario	Begins when the transport status requestor determines a transport status update is needed. Continues with					
	Step # Actor Activity Step					
	1 Requestor Issues a transport status request					
	2 Provider Receives the transport status request					
	Ends when the LSS has processed the transport status request in the transport management system.					



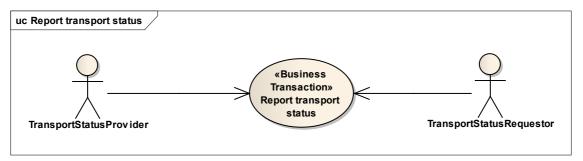
Alternative Scenario	Not applicable
Related Requiremen ts	Not applicable
Related Rules	Not applicable

### **Activity Diagram(s)**

Not applicable

# 3.2 Report Transport Status

### **Use Case Diagram**



### **Use Case Description**

se case bescrip	
Use Case ID	UC-2
Use Case Name	Report transport status
Use Case Description	Transport Status: The main objective is to report the transport status between the transport status requestor and the transport status provider.  Information on Delivery: The main objective is for the logistics services seller to inform the logistics services buyer on the final execution status of deliveries specified in a transport instruction.
Actors (Goal)	Transport Status Requestor Transport Status Provider
Performance Goals	Not applicable
Preconditions	Either: The transport status provider did receive a transport status request; Or A pre-agreed event type or time interval determines when a transport status notification needs to be sent.  Furthermore: The requesting party is indeed entitled to the transport status information.
Post conditions	Transport status notification has been received by the transport status requestor.



Scenario	Begins when the transport status provider receives a request.  Continues with					
	Step #	Actor	Activity Step			
	1	Provider	Issues a transport status notification			
	2	Requestor	Receives the transport status notification			
	Ends when	the requestor has pr	rocessed the transport status notification.			
Alternative Scenario	Begins when the transport status provider determines it is time to send a transport status notification.  Continues with					
	Step #	Step # Actor Activity Step				
	1	Provider	Issues a transport status notification			
	2 Requestor Receives the transport status notification		Receives the transport status notification			
	Ends when the requestor has processed the transport status notification.					
Related Requirements	Not applicable					
Related Rules	Not applicable					

### **Activity Diagram(s)**

Not applicable

### **Sequence Diagram(s)**

Figure: Report Transport Status with prior request

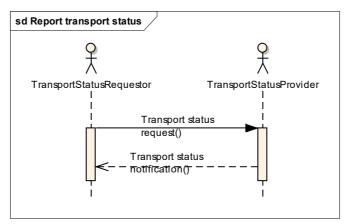
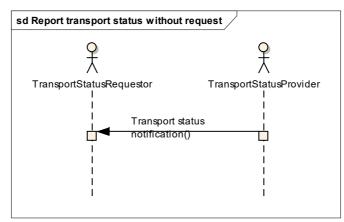




Figure: Report Transport Status without prior request

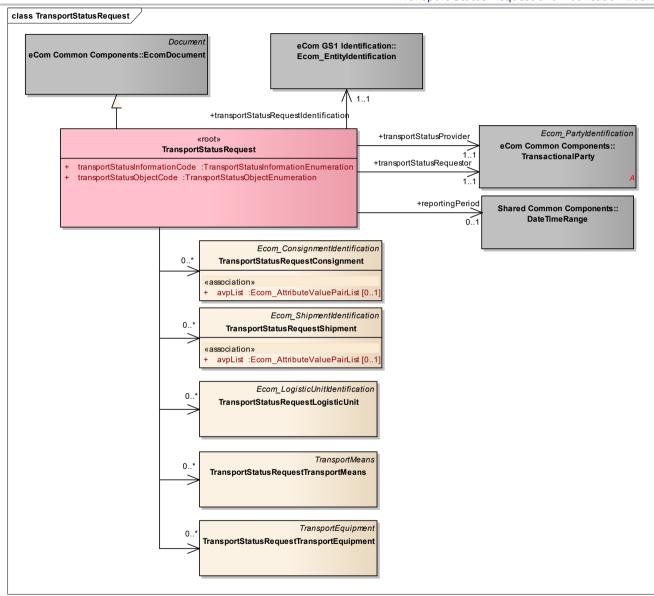




# 4 Business Information View

# 4.1 Transport Status Request (message)







### **GDD** report

The content of the TransportStatusRequest class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusRequest

Content	Attribute / Role	Datatype / Secondaryclass	Multiplicity	Definition	Requirements
TransportStatusReque st				Message requesting information on the transport status and movements of a transport related object.	
Association		TransportStatusReq uestShipment	0*	Information identifying the shipment for which transport status information is being requested.	
Association	transportStatusProvi der	TransactionalParty	11	A party that provides transport status information to another party.	
Association		TransportStatusReq uestTransportEquip ment	0*	Information identifying the piece of transport equipment for which transport status information is being requested.	
Association		TransportStatusReq uestLogisticUnit	0*	Information identifying the logistic unit for which transport status information is being requested.	
Association		TransportStatusReq uestTransportMeans	0*	Information identifying the transport means for which transport status information is being requested.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	WR 14- 000110
Association	reportingPeriod	DateTimeRange	01	The date time range for which transport status information is being requested.	BRAD new requirment
Association		TransportStatusReq uestConsignment	0*	Information identifying the consignment for which transport status information is being requested.	
Association	transportStatusReq uestor	TransactionalParty	11	A party that requests transport status information from another party.	
Association	transportStatusReq uestIdentification	Ecom_EntityIdentifi cation	11	The identification of the transport status request document.	
Attribute	transportStatusInfor mationCode	TransportStatusInfo rmationEnumeration	11	Code specifying the type of transport status information that is being requested. Example: STATUS_ONLY.	
Attribute	transportStatusObje ctCode	TransportStatusObj ectEnumeration	11	Code specifying the type of object for which transport status information is being requested. Example: CONSIGNMENT.	

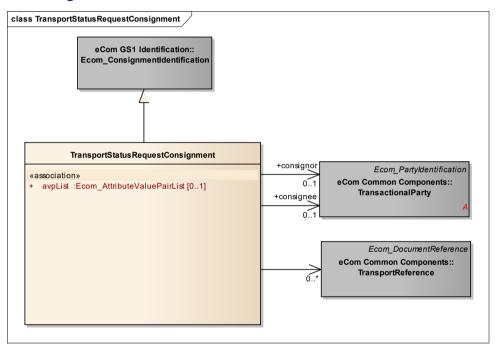




**Note:** Reference Shared Common Library Business Message (BMS) Release 3.4 and eCom Domain Common Library Business Message (BMS) Release 3.4 for all common information.

### 4.1.1 Transport Status Request - Consignment

### **Class Diagram**



### **GDD Report**

The content of the TransportStatusRequestConsignment class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusRequestConsignment

Content	Attribute / Role	Datatype / Secondaryclass	Multiplicity	Definition	Requirements
TransportStatusReque stConsignment				Information identifying the consignment for which transport status information is being requested.	
Association	consignor	TransactionalParty	01	The party despatching a consignment of goods.	BRAD TM CON1



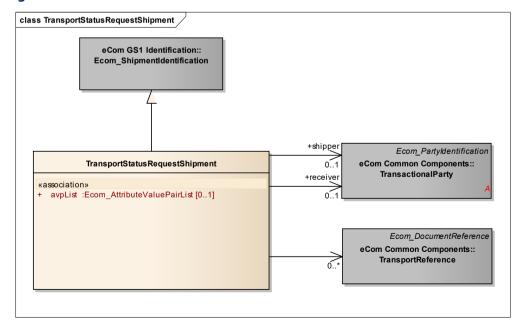
Transport Status Request and Notification Business Message Standard (BMS)

Content	Attribute / Role	Datatype / Secondaryclass	Multiplicity	Definition	Requirements
Generalization		Ecom_ConsignmentI dentification		The unique identifier for this consignment.	BRAD TM CON3 WR 15-000314
Association	consignee	TransactionalParty	01	The party receiving a consignment of goods.	BRAD TM CON1
Association		TransportReference	0*	References to the commercial transaction or to transport or legal documents related to the consignment.	BRAD TM CON19
Attribute	avpList	Ecom_AttributeValu ePairList	01	Temporary attributes introduced between minor versions.	WR 14-000110



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.4 and eCom Domain Common Library Business Message (BMS) Release 3.4 for all common information.

### 4.1.2 Transport Status Request - Shipment





The content of the TransportStatusRequestShipment 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:TransportStatusRequestShipment">http://apps.gs1.org/GDD/bms/Version3-4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusRequestShipment</a>

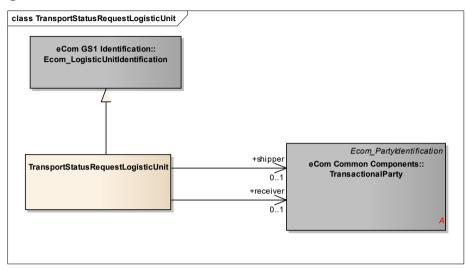
Content	Attribute / Role	Datatype / Secondaryclass	Multiplicity	Definition	Requirements
TransportStatusReque stShipment				Information identifying the shipment for which transport status information is being requested.	
Association	shipper	TransactionalParty	01	A party which engages in shipping this shipment of goods.	BRAD TM SHM1
Association	receiver	TransactionalParty	01	A party which engages in receiving this shipment of goods.	BRAD TM SHM1
Generalization		Ecom_ShipmentIde ntification		The unique identifier for this shipment.	BRAD TM SHM4 WR 15-000314
Association		TransportReference	0*	References to the commercial transaction or to transport and legal documents related to the shipment.	BRAD TM SHM16
Attribute	avpList	Ecom_AttributeValu ePairList	01	Temporary attributes introduced between minor versions.	WR 14-000110





### 4.1.3 Transport Status Request - Logistic Unit

### **Class Diagram**



### **GDD Report**

The content of the TransportStatusRequestLogisticUnit class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusRequestLogisticUnit

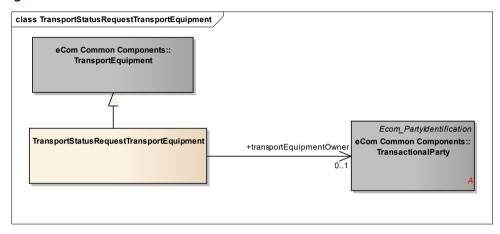
Content	Multiplicity	Attribute / Role	Datatype /Secondary class	Definition	Requirements
TransportStatusRequ estLogisticUnit				Information identifying the logistic unit for which transport status information is being requested.	
Generalization			Ecom_LogisticUnitIdent ification	The unique identifier for this logistic unit.	WR 15-000314
Association	01	shipper	TransactionalParty	A party which engages in shipping this shipment of goods.	
Association	01	receiver	TransactionalParty	A party which engages in receiving this shipment of goods.	





### 4.1.4 Transport Status Request - Transport Equipment

### **Class Diagram**



### **GDD Report**

The content of the TransportStatusRequestTransportEquipment 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:TransportStatusRequestTransportEquipment

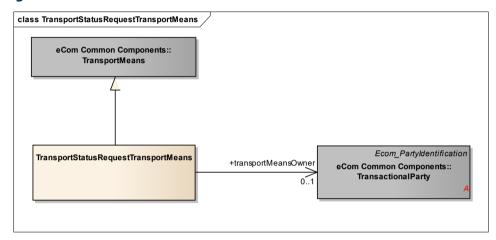
Content	Multiplicity	Attribute / Role	Datatype /Secondary class	Definition	Requirements
TransportStatusReque stTransportEquipment				Information identifying the piece of transport equipment for which transport status information is being requested.	
Generalization			TransportEq uipment	Details describing and identifying the piece of transport equipment.	BRAD TM TEQ1,7
Association	01	transportEquipment Owner	Transactiona IParty	The party who owns the piece of transport equipment.	BRAD TM - new requirement





### 4.1.5 Transport Status Request - Transport Means

### **Class Diagram**



### **GDD Report**

The content of the TransportStatusRequestTransportMeans class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusRequestTransportMeans

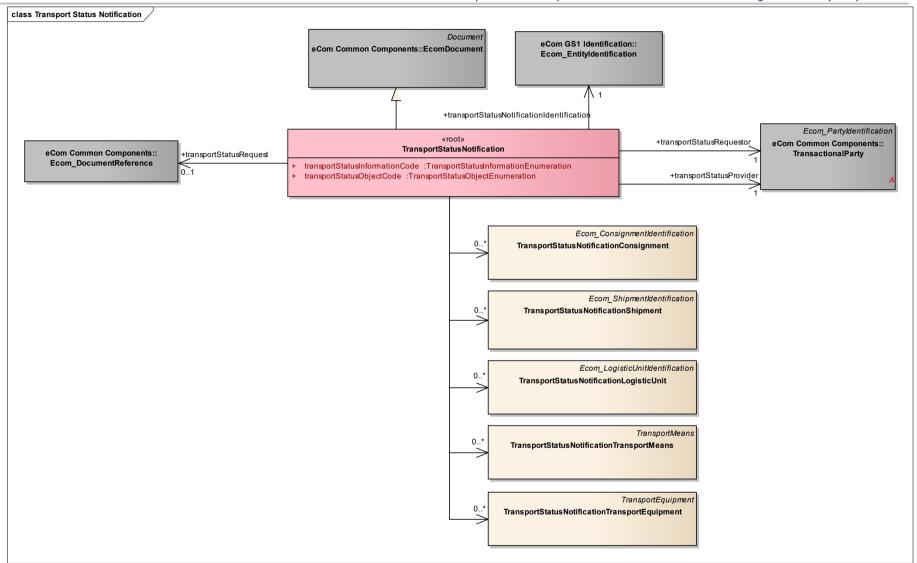
Content	Multiplicity	Attribute / Role	Datatype /Secondary class	Definition	Requirements
TransportStatusReque stTransportMeans				Information identifying the transport means for which transport status information is being requested.	
Generalization			TransportMe ans	Details describing and identifying the transport means.	BRAD TM TME1,2,3
Association	01	transportMeansOwn er	Transactiona IParty	The party who owns the transport means	BRAD TM - new requirement





# 4.2 Transport Status Notification (message)

### Transport Status Request and Notification Business Message Standard (BMS)





The content of the TransportStatusNotification class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusNotification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
TransportStatusNotific ation				Message providing information on the transport status and movements of a transport related object.	
Association		TransportStatusNoti ficationShipment	0*	Information on the status and movements of a shipment.	
Association	transportStatusReq uestor	TransactionalParty	11	A party that requests transport status information from another party.	
Association		TransportStatusNoti ficationLogisticUnit	0*	Information on the status and movements of a logistic unit.	
Association		TransportStatusNoti ficationConsignment	0*	Information on the status and movements of a consignment.	
Association	transportStatusNotif icationIdentification	Ecom_EntityIdentifi cation	11	The identification of the transport status notification document.	WR 15-000314
Association	transportStatusReq uest	Ecom_DocumentRef erence	01	Optional reference to the transport status request that triggered the sending of the transport status notification.	WR 15-000314
Association		TransportStatusNoti ficationTransportEq uipment	0*	Information on the status, movements and event log of one or more pieces of transport equipment.	
Association		TransportStatusNoti ficationTransportMe ans	0*	Information on the status, movements and event log of one or more means of transport.	
Generalization		EcomDocument		Basic information about the content of the message including version number, creation date and time.	WR 14-000110
Association	transportStatusProvi der	TransactionalParty	11	A party that provides transport status information to another party.	
Attribute	transportStatusInfor mationCode	TransportStatusInfo rmationEnumeration	11	Code specifying the type of transport status information that is being reported. Example: STATUS_ONLY.	
Attribute	transportStatusObje ctCode	TransportStatusObj ectEnumeration	11	Code specifying the type of object for which transport status information is being reported. Example: CONSIGNMENT.	

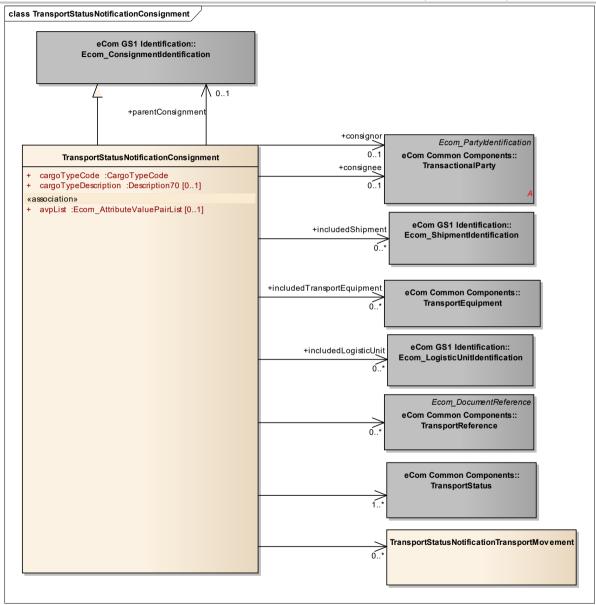






### **4.2.1** Transport Status Notification – Consignment







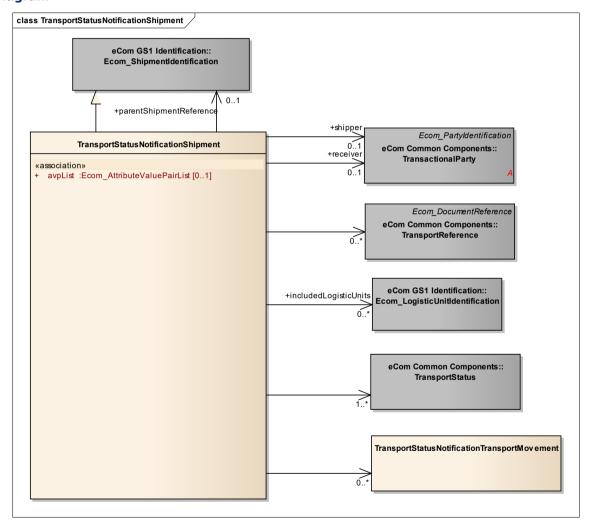
The content of the TransportStatusNotificationConsignment class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusNotificationConsignment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
TransportStatusNotific ationConsignment				Information on the status and movements of a consignment.	
Association		TransportReference	0*	References to the commercial transaction or to transport or legal documents related to the consignment.	BRAD TM CON19
Association	parentConsignment	Ecom_ConsignmentI dentification	01	Reference to a consignment that contains this consignment (and several other consignments)	BRAD TM CON22 WR 15-000314
Association		TransportStatusNoti ficationTransportMo vement	0*	The transport movement details for this consignment.	
Association	includedShipment	Ecom_ShipmentIde ntification	0*	Reference to the shipment(s) contained in this consignment.	BRAD TM CON28 WR 15-000314
Association	consignee	TransactionalParty	01	The party receiving a consignment of goods.	BRAD TM CON1
Association	consignor	TransactionalParty	01	The party despatching a consignment of goods.	BRAD TM CON1
Association		TransportStatus	1*	The transport status details for this consignment.	
Association	includedLogisticUnit	Ecom_LogisticUnitId entification	0*	Identification of the logistic units contained in the consignment.	WR 15-000314
Association	includedTransportEq uipment	TransportEquipment	0*	Details on the transport equipment contained in the consignment.	
Generalization		ConsignmentIdentifi cation		The unique identifier for this consignment.	BRAD TM CON2
Attribute	cargoTypeCode	CargoTypeCode	11	Code specifying the classification of a type of cargo for example hazardous cargo.	BRAD CON8, CIT4, SHI4
Attribute	cargoTypeDescriptio n	Description70	01	Free text specifying the classification of a type of cargo.	BRAD CON8, CIT4, SHI5
Attribute	avpList	Ecom_AttributeValu ePairList	01	Temporary attributes introduced between minor versions.	WR 14-000110





### 4.2.2 Transport Status Notification – Shipment





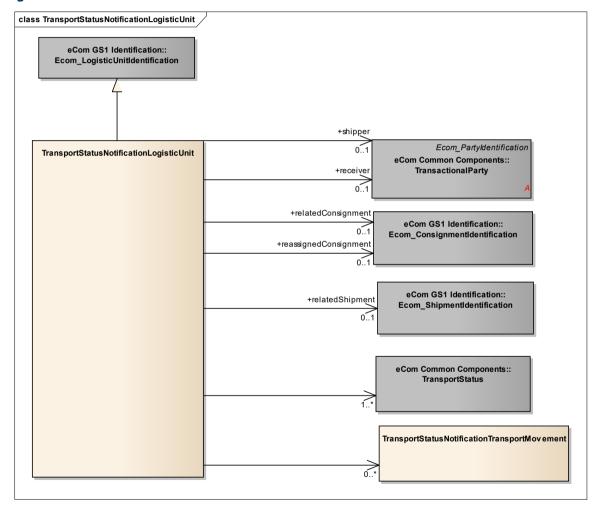
The content of the TransportStatusNotificationShipment class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusNotificationShipment

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
TransportStatusNotific ationShipment				Information on the status and movements of a shipment.	
Association	receiver	TransactionalParty	01	A party which engages in receiving this shipment of goods.	BRAD TM SHM1
Association		TransportStatusNoti ficationTransportMo vement	0*	The transport movement details for this shipment.	BRAD TM SHM3
Association		TransportReference	0*	References to the commercial transaction or to transport or legal documents related to the shipment.	BRAD TM SHM16
Association		TransportStatus	1*	The transport status details for this shipment.	
Association	shipper	TransactionalParty	01	A party which engages in shipping this shipment of goods.	BRAD TM SHM1
Association	parentShipmentRefe rence	Ecom_ShipmentIde ntification	01	The unique identifier of a shipment in which this shipment is included.	WR 15-000314
Association	includedLogisticUnit s	Ecom_LogisticUnitId entification	0*	Identification of the logistic units contained in the shipment.	WR 15-000314
Generalization		Ecom_ShipmentIde ntification		The unique identifier for this shipment.	BRAD TM SHM4 WR 15-000314
Attribute	avpList	Ecom_AttributeValu ePairList	01	Temporary attributes introduced between minor versions.	WR 14-000110





### 4.2.3 Transport Status Notification - Logistic Unit





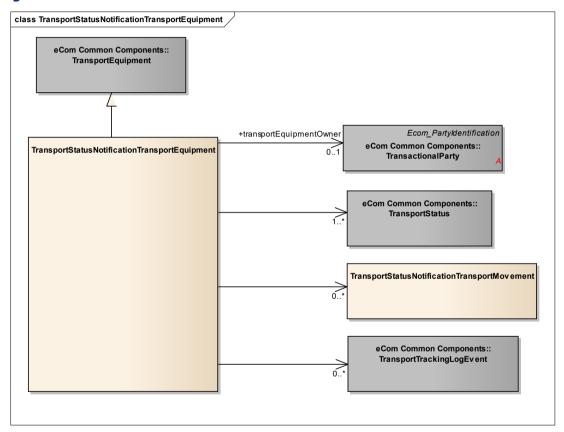
The content of the TransportStatusNotificationLogisticUnit class, its structure and component definitions can be accessed in the Global Data Dictionary: <a href="http://apps.gs1.org/GDD/bms/Version3">http://apps.gs1.org/GDD/bms/Version3</a> 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusNotificationLogisticUnit

Content	Datatype /Secondary class	Attribute / Role	Multiplicity	Definition	Requirements
TransportStatusNotific ationLogisticUnit				Information on the status and movements of a logistic unit.	
Association	Ecom_ShipmentIde ntification	relatedShipment	01	Identification of the shipment in which the logistic unit is contained.	WR 15-000314
Association	Ecom_ConsignmentI dentification	reassignedConsign ment	01	Identification of the consignment to which the logistic unit has been reassigned.	WR 15-000314
Association	TransactionalParty	shipper	01	A party which engages in shipping this logistic unit.	
Association	TransactionalParty	receiver	01	A party which engages in receiving this logistic unit.	
Association	TransportStatus		1*	The transport status details for this logistic unit.	
Association	TransportStatusNoti ficationTransportMo vement		0*	The transport movement details for this logistic unit.	
Generalization	Ecom_LogisticUnitId entification			The unique identifier for this logistic unit.	WR 15-000314
Association	Ecom_ConsignmentI dentification	relatedConsignment	01	Identification of the consignment in which the logistic unit is contained.	WR 15-000314





### 4.2.4 Transport Status Notification - Transport Equipment





The content of the TransportStatusNotificationTransportEquipment class, its structure and component definitions can be accessed in the Global Data Dictionary:

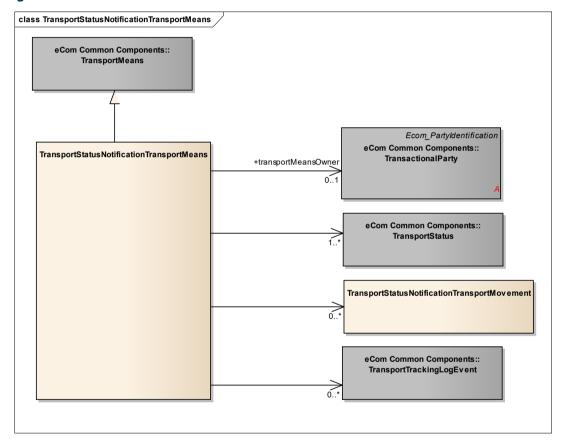
http://apps.gs1.org/GDD/bms/Version3 4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:TransportStatusNotificationTransportEquipment

Content	Datatype /Secondary class	Attribute / Role	Multiplicity	Definition	Requirements
TransportStatusNotific ationTransportEquipm ent				Information on the status, movements and event log of a piece of transport equipment.	
Generalization	TransportEquipment			Details describing and identifying the piece of transport equipment.	BRAD TM TEQ1,7
Association	TransactionalParty	transportEquipment Owner	01	The party who owns the piece of transport equipment.	BRAD TM - new requirement
Association	TransportStatus		1*	The transport status details for this piece of transport equipment.	
Association	TransportStatusNoti ficationTransportMo vement		0*	The transport movement details for this piece of transport equipment.	
Association	TransportTrackingLo gEvent		0*	The transport tracking details for this piece of transport equipment.	





### 4.2.5 Transport Status Notification - Transport Means





The content of the TransportStatusNotificationTransportMeans 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:TransportStatusNotificationTransportMeans

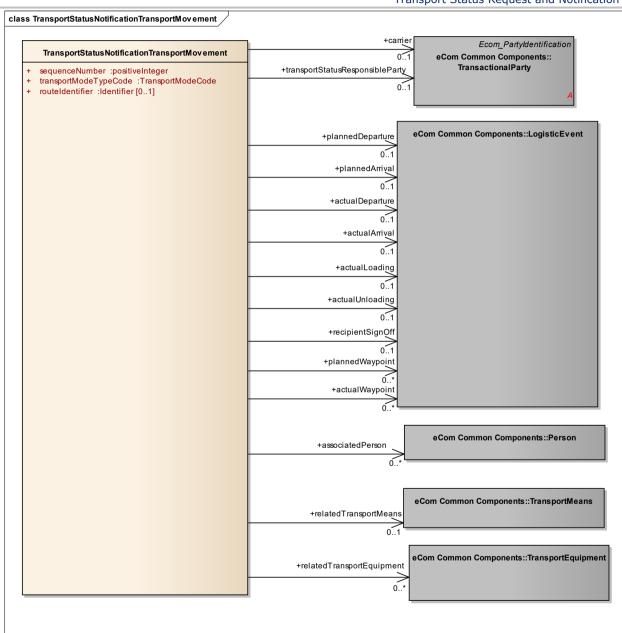
Content	Datatype /Secondary class	Attribute / Role	Multiplicity	Definition	Requirements
TransportStatusNotific ationTransportMeans				Information on the status, movements and event log of a transport means.	
Generalization	TransportMeans			Details describing and identifying the transport means.	BRAD TM TME1,2,3
Association	TransactionalParty	transportMeansOwn er	01	The party who owns the transport means	BRAD TM - new requirement
Association	TransportStatus		1*	The transport status details for this transport means.	
Association	TransportStatusNoti ficationTransportMo vement		0*	The transport movement details for this transport means.	
Association	TransportTrackingLo gEvent		0*	The transport tracking details for this transport means.	





### **4.2.6 Transport Status Notification - Transport Movement**







The content of the TransportStatusNotificationTransportMovement 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:TransportStatusNotificationTransportMovement

Content	Datatype /Secondary class	Attribute / Role	Multiplicity	Definition	Requirements
TransportStatusNotific ationTransportMovem ent					
Association	TransportMeans	relatedTransportMea ns	01	The type of vehicle, aircraft, vessel or other device used for the transport of goods in this transport movement.	BRAD TM TMV19
Association	TransportEquipment	relatedTransportEqui pment	0*	The type of trailer, container, ULD or other device used for the transport of goods in this transport movement.	BRAD TM TMV19
Association	TransactionalParty	carrier	01	A party that physically transports goods from one place to another.	BRAD TM TMV5
Association	Person	associatedPerson	0*	A person associated with the execution of this transport movement, for example the driver.	BRAD TM TMV9
Association	TransactionalParty	transportStatusRespo nsibleParty	01	Party in charge of collecting and forwarding the information about the transport movement.	BRAD TM TMV17
Association	LogisticEvent	recipientSignOff	01	Details on the sign-off of the receipt at the arrival location, such as the responsible person.	BRAD TM - new requirement
Association	LogisticEvent	actualArrival	01	The actual time of arrival on the designated arrival location.	BRAD TM TMV11
Association	LogisticEvent	actualDeparture	01	The actual time of departure from the designated departure location.	BRAD TM TMV10
Association	LogisticEvent	actualLoading	01	The actual time and location of loading.	BRAD TM TMV14
Association	LogisticEvent	actualUnloading	01	The actual time and location of unloading.	BRAD TM TMV15
Association	LogisticEvent	plannedDeparture	01	The expected time of departure from the designated departure location.	BRAD TM TMV12



#### Transport Status Request and Notification Business Message Standard (BMS)

Content	Datatype /Secondary class	Attribute / Role	Multiplicity	Definition	Requirements
Association	LogisticEvent	plannedWaypoint	0*	An administrative procedure taking place at a specific location that may have an effect on the lead time of a transport movement, such as dangerous goods handling, customs clearance,	
Association	LogisticEvent	actualWaypoint	0*	An administrative procedure taking place at a specific location that may have an effect on the lead time of a transport movement, such as dangerous goods handling, customs clearance,	
Association	LogisticEvent	plannedArrival	01	The expected time of arrival on the designated arrival location.	BRAD TM TMV13
Attribute	positiveInteger	sequenceNumber	11	Unique number identifying the sequence of this transport movement with respect to the other specified movements.	
Attribute	TransportModeCode	transportModeTypeC ode	11	Code specifying the transportation mode used for this transport movement.	BRAD TMV2
Attribute	Identifier	routeIdentifier	01	Unique identifier of the standard route that will be used for this transport movement.	BRAD TMV8



**Note:** Reference Shared Common Library Business Message (BMS) Release 3.4 and eCom Domain Common Library Business Message (BMS) Release 3.4 for all common information.



# 4.3 Enumerations (message specific)

Not applicable

## 4.4 Code Lists

Class	Codelist	GDD Link
TransportStatusRequest, TransportStatusNotificatio n	TransportStatusInfor mationEnumeration	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:TransportStatusInformationEnumeration
TransportStatusRequest, TransportStatusNotificatio n	TransportStatusObject Enumeration	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:TransportStatusObjectEnumeration
TransportStatusNotificatio nConsignment	CargoTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:CargoTypeCode
TransportStatusNotificatio nTransportMovement	TransportModeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn :gs1:gdd:cl:TransportModeCode



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



# 5 Business Message Examples

## 5.1 Example 1

This is an example of the Transport Status Request message used in Consignment Status and Movement process.

## **Party Information**

GS1 Global Location Number	Party Type
7365566156190	Transport Status Requestor
4048623000003	Transport Status Provider
7365566156190	Consignor
7300011234566	Consignee

### Message Example 1

Attribute	Value
TransportStatusRequest	
creationDateTime	2011-01-12T12:00:00
documentStatusCode	ORIGINAL
transportStatusObjectCode	CONSIGNMENT
transportStatusInformationCode	STATUS_AND_MOVEMENT
EntityIdentification (+transportStatusRequestIdentification)	
uniqueCreatorIdentification	TRSR00001
TransactionalParty (+transportStatusProvider)	
gln	4048623000003
TransactionalParty (+transportStatusRequestor)	
gln	7365566156190
TransportStatusRequestConsignment	
ginc	7365566156191234567
TransactionalParty (+consignor)	
gln	7365566156190
TransactionalParty (+consignee)	
gln	7300011234566



## 5.2 Example 2

This is an example of the Transport Status Notification message used in Consignment Status and Movement process.

### **Message Example 2**

Attribute	Value
TransportStatusNotification	
creationDateTime	2011-01-12T12:10:00
documentStatus	ORIGINAL
transportStatusInformationCode	STATUS_AND_MOVEMENT
transportStatusObjectCode	CONSIGNMENT
EntityIdentification (+transportStatusNotificationIdentification)	
uniqueCreatorIdentification	TRSN00001
TransactionalParty (+transportStatusRequestor)	
gln	7365566156190
TransactionalParty (+transportStatusProvider)	
gln	4048623000003
DocumentReference (+transportStatusRequest)	
uniqueCreatorIdentification	TRSR00001
TransportStatusNotificationConsignment	
Ginc	7365566156191234567
cargoType	21
TransactionalParty (+consignor)	
gln	7365566156190
TransactionalParty (+consignee)	
gln	7300011234566
TransportStatus	
transport Status Condition Code	29
TransportStatusNotificationTransportMovement	
sequenceNumber	1
transportModeTypeCode	30
LogisticEvent (+actualDeparture)	
DateOptionalTime (+logisticEventDateTime)	
date	2011-01-14
time	11:08:00
LogisticLocation	
Address	
city	Stockholm
LogisticEvent (+actualArrival)	
DateOptionalTime (+logisticEventDateTime)	
date	2011-01-14



Attribute	Value
time	18:08:00
LogisticLocation	
Address	
city	Lund

## 5.3 Example 3

This is an example of the Transport Status Notification message used in Shipment - Information on Delivery ( ${\tt IoD}$ ) process.

## **Message Example 3**

Attribute	Value
TransportStatusNotification	
creationDateTime	2011-01-15T14:10:00
documentStatusCode	ORIGINAL
transportStatusInformationCode	INFORMATION_ON_DELIVERY
transportStatusObjectCode	SHIPMENT
EntityIdentification (+transportStatusNotificationIdentification)	
uniqueCreatorIdentification	TRSN00001
TransactionalParty (+transportStatusRequestor)	
gln	7365566156190
TransactionalParty (+transportStatusProvider)	
gln	4048623000003
TransportStatusNotificationShipment	
gsin	37365560000834055
LogisticUnitIdentification (+includedLogisticUnits)	
SSCC	373655600812834054
LogisticUnitIdentification (+includedLogisticUnits)	
SSCC	373655600812834061
LogisticUnitIdentification (+includedLogisticUnits)	
SSCC	373655600812834078
TransportStatus	
transportStatusConditionCode	21
TransportStatusNotificationTransportMovement	
sequenceNumber	1
transportModeTypeCode	30
TransactionalParty (+carrier)	
Address	
name	DSV
LogisticEvent (+actualDeparture)	
DateOptionalTime (+logisticEventDateTime)	



BMS)	
Attribute	Value
date	2009-01-13
time	09:00:00
LogisticLocation	
Address	
city	Eindhoven
LogisticEvent (+actualArrival)	
DateOptionalTime (+logisticEventDateTime)	
date	2009-01-13
time	18:00:00
LogisticLocation	
Address	
city	Rotterdam
TransportMeans (+relatedTransportMeans)	
transportMeansType	31
transportMeansID	TF-69-XX
TransportEquipment (+relatedTransportEquipment)	
transportEquipmentTypeCode	14
ReturnableAssetIdentification (+individualReturnableAssetTypeIdentification)	
grai	0000000000000
additionalReturnableAssetIdentification	TRL-ABC-912; OWNER_ASIGNED
TransportStatusNotificationTransportMovement	
sequenceNumber	2
transportModeTypeCode	10
TransactionalParty (+carrier)	
Address	
name	P&O
LogisticEvent (+actualDeparture)	
DateOptionalTime (+logisticEventDateTime)	
date	2009-01-14
time	14:00:00
LogisticLocation	
unLocationCode	NL RTM
LogisticEvent (+actualArrival)	
DateOptionalTime (+logisticEventDateTime)	
date	2009-02-23
Time	18:00:00
LogisticLocation	
unLocationCode	ZA CPT



Attribute	Value
transportMeansType	13
transportMeansName	SS Kopenhavn
TransportEquipment (+relatedTransportEquipment)	
transportEquipmentTypeCode	20
ReturnableAssetIdentification(+individualReturnableAsset TypeIdentification)	
grai	0000000000000
additionalReturnableAssetIdentification	BCN001213; OWNER_ASIGNED
TransportStatusNotificationTransportMovement	
sequenceNumber	3
transportModeTypeCode	30
TransactionalParty (+carrier)	
Address	
name	Boer Trucking
LogisticEvent (+actualDeparture)	
DateOptionalTime (+logisticEventDateTime)	
date	2009-02-25
time	09:00:00
LogisticLocation	
Address	
city	Cape Town
LogisticEvent (+actualArrival)	
DateOptionalTime (+logisticEventDateTime)	
date	2009-02-28
time	18:00:00
LogisticLocation	
Address	
city	Johannesburg
TransportMeans (+relatedTransportMeans)	
transportMeansType	31
transportMeansID	123-XYZ-76

# **6** Implementation Considerations

## 6.1 User Guide

The Functional User Guide contains more information about the structure and content of the Transport Status Request and Notification message:

http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-

Trade messages.html#TransportStatusRequestandNotification



## **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: <a href="http://wr.gs1.org">http://wr.gs1.org</a>. The system is accessible to registered users. New visitors need to register first, to be able to access it. WRs can be searched by the number referenced in tables below, see: Search Work Requests. The number starts with the two last digits of the year when it was submitted, followed by the consecutive number within that year.



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

#### 7.1 BMS Release 3.0

First publication

#### **7.2** BMS Release **3.1**

Change	Associated CR
<ul> <li>TransportStatusRequest: changed cardinality of associations to Consignment, Shipment, Log Unit, Transport Means and Transport Equipment from 01 to 0*</li> <li>TransportStatusNotification: changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0*</li> </ul>	12-000193 12-000194 12-000195 12-000196 12-000197

### **7.3** BMS Release **3.2**

Change	Associated WR
Added Attribute Value Pair at the root, line item and sub line item levels	14-000110
class TransportStatusRequest - maintenance view	
≪root≫ TransportStatusRequest	
+ transportStatusInformationCode :TransportStatusInformationEnumeration + transportStatusObjectCode :TransportStatusObjectCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusInformationCode :TransportStatusObjectCode :TransportStatus	
maintenance  Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit, Transport Means and Transport Equipment from 01 to 0*  Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)	

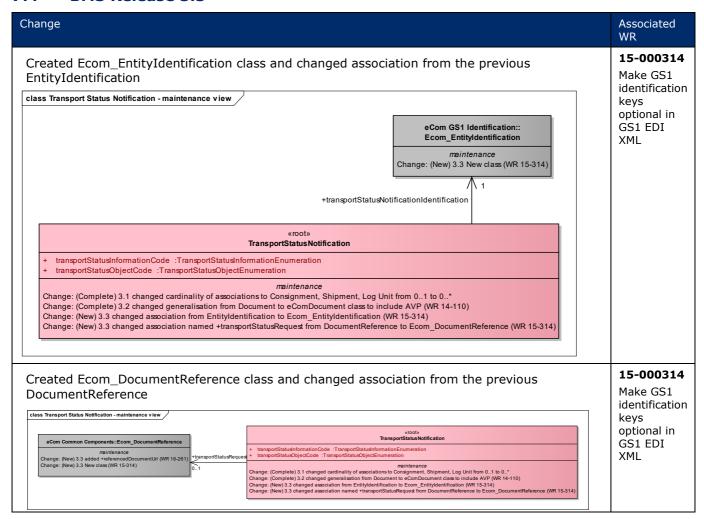


	Associated WR
Ided Attribute Value Pair at the root, line item and sub line item levels	14-00011
class TransportStatusRequestConsignment - maintenance view	
TransportStatusRequestConsignment	
+ «association» avpList :Ecom_AttributeValuePairList [01]	
maintenance Change: (Verified) 3.2 added +avpList (WR 14-110)	
Ided Attribute Value Pair at the root, line item and sub line item levels	14-00011
class TransportStatusRequestShipment - maintenance view	
TransportStatusRequestShipment	
+ «association» avpList: Ecom_AttributeValuePairList [01]	
maintenance Change: (Verified) 3.2 added +avpList (WR 14-110)	
Ided Attribute Value Pair at the root, line item and sub line item levels	14-00011
lass Transport Status Notification - maintenance view	
«root» TransportStatusNotification	
+ transportStatusInformationCode: TransportStatusInformationEnumeration + transportStatusObjectCode: TransportStatusObjectEnumeration	
maintenance	
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)	
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0*	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)  Ided Attribute Value Pair at the root, line item and sub line item levels	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)  Ided Attribute Value Pair at the root, line item and sub line item levels  Class TransportStatusNotificationConsignment - maintenance	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)  Ided Attribute Value Pair at the root, line item and sub line item levels  class TransportStatusNotificationConsignment - maintenance  TransportStatusNotificationConsignment  + cargoTypeCode :CargoTypeCode  + cargoTypeDescription :Description70 [01]	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)  Ided Attribute Value Pair at the root, line item and sub line item levels  class TransportStatusNotificationConsignment - maintenance  TransportStatusNotificationConsignment  + cargoTypeCode :CargoTypeCode  + cargoTypeDescription :Description70 [01]	14-00011
Change: (Complete) 3.1 changed cardinality of associations to Consignment, Shipment, Log Unit from 01 to 0* Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)  Ided Attribute Value Pair at the root, line item and sub line item levels  class TransportStatusNotificationConsignment - maintenance  TransportStatusNotificationConsignment  + cargoTypeCode :CargoTypeCode + cargoTypeDescription :Description70 [01] + «association» avpList :Ecom_AttributeValuePairList [01]  maintenance	14-00011

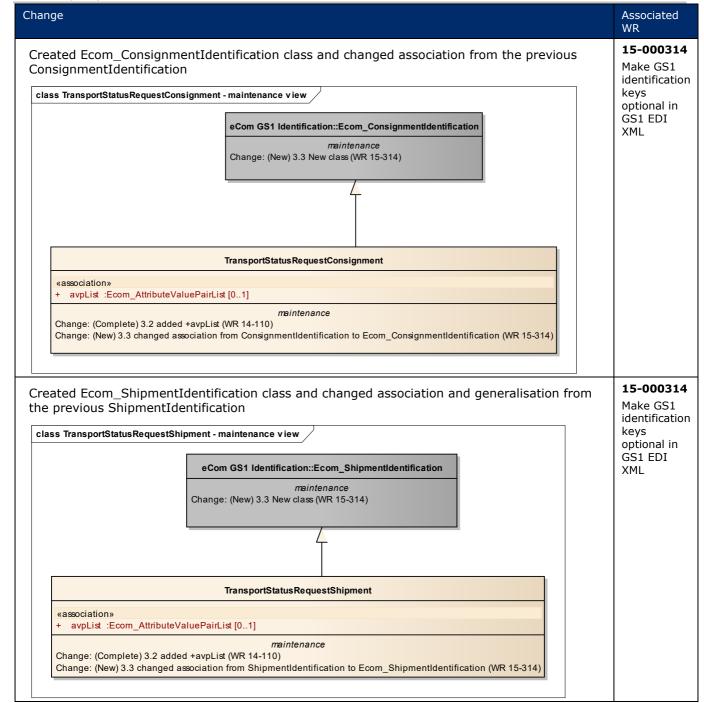


Change	Associated WR
Added Attribute Value Pair at the root, line item and sub line item levels	14-000110
class TransportStatusNotificationShipment - maintenance view	
TransportStatusNotificationShipment	
+ «association» avpList :Ecom_AttributeValuePairList [01]	
maintenance Change: (Verified) 3.2 added +avpList (WR 14-110)	

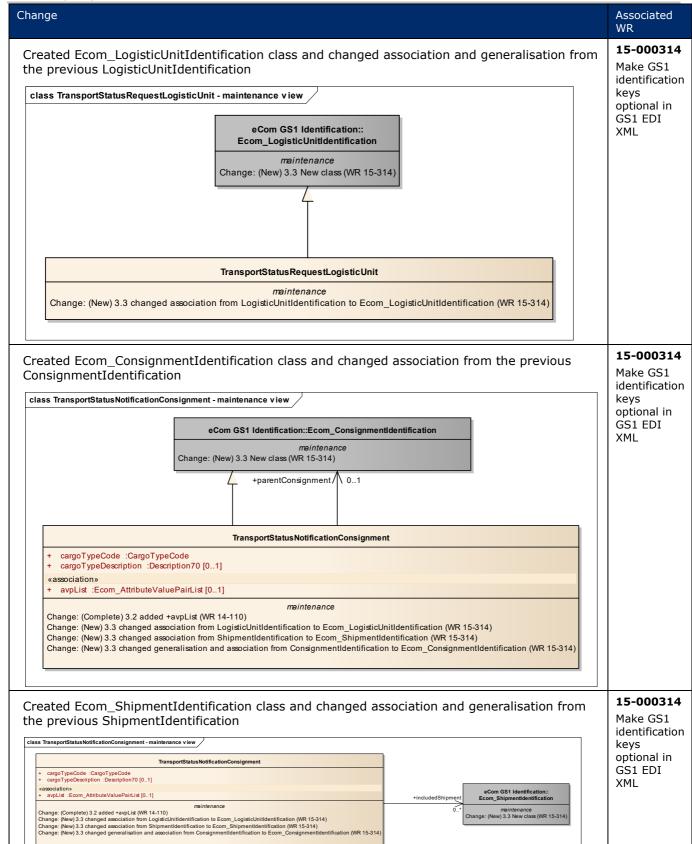
#### 7.4 BMS Release 3.3



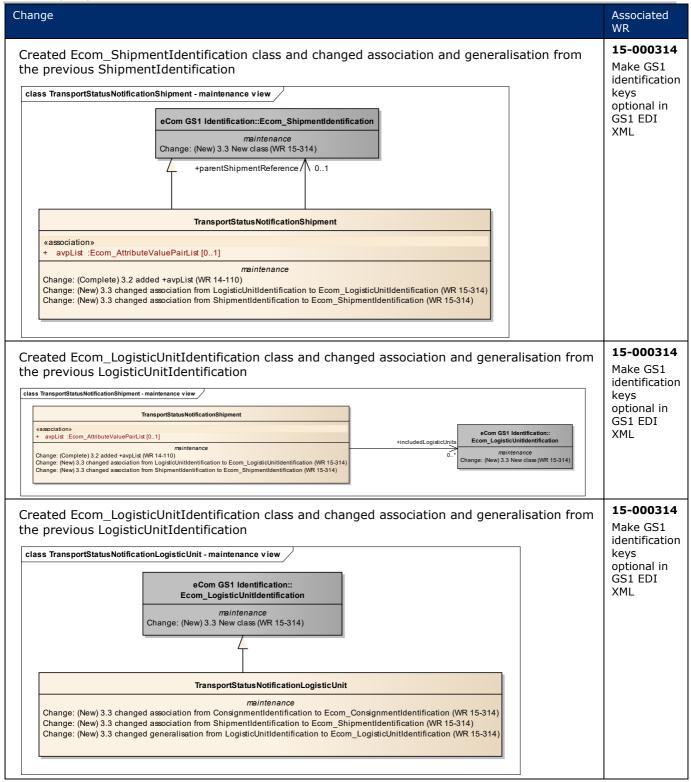




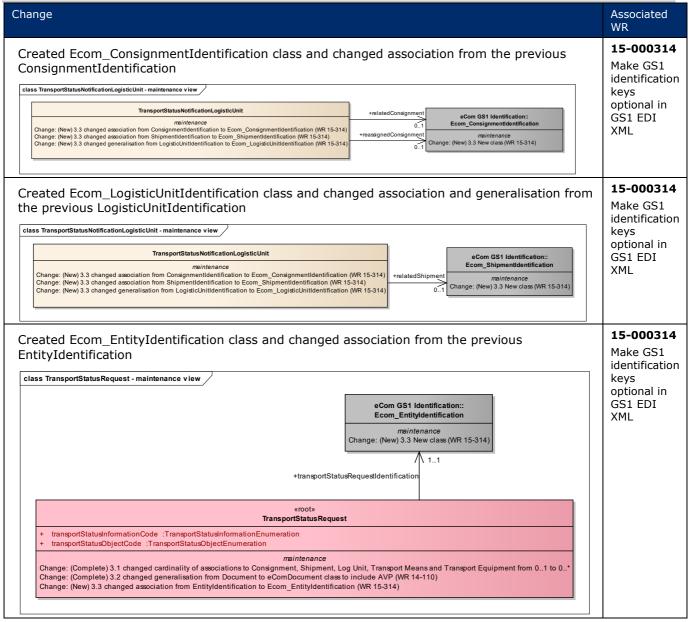












#### 7.5 BMS Release 3.4

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

### 7.6 BMS Release 3.4.1

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

# 8 Appendices

Not Applicable



# 9 Acknowledgements

## 9.1.1 Work Group

Function	Name	Company / organisation	
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