



# **Business Message Standard (BMS) Align/Trade Item (Data Definition)**

**BMS Release: 2.7.0, BRG Name: GDSN**

***Issue 9.3.3, 17-Mar-2010***



## Document Summary

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21-Aug-2001	Uniform Code Council	01-000009
22-Aug-2001	Uniform Code Council	01-000011
21-Sep-2001	WorldWide Retail Exchange	01-000064
21-Sep-2001	Uniform Code Council	01-000065
12-Apr-2002	GCI – GDD	02-000065
28-Jun-2002	EAN Sweden	02-000124
13-Aug-2002	e.centre (EAN UK)	02-000172
14-Feb-2003	GENCOD (EAN France)	03-000021
27-May-2003	ITRG	03-000074
09-Jun-2003	e. centre (EAN UK)	03-000082
17-Oct-2003	UCC	03-000144
14-Jun-2004	UCCnet	04-000129
11-Jul-2005	GS1 France	05-000389
03-Aug-2006	Agentrics	06-000182
03-Aug-2006	Agentrics	06-000181
22-Aug-2006	1SYNC	06-000192
22-Aug-2006	1SYNC	06-000196
23-Aug-2006	Agentrics	06-000198
31-Oct-2006	GS1 UK	06-000269
03-Nov-2006	GS1 Australia	06-000275
10-Nov-2006	Nestle	06-000280
01-Dec-2006	UDEX	06-000313

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12-Dec-2006	GS1 Norway by Agentrics	06-000331
13-Dec-2006	Nestle	06-000235
21-Dec-2006	1SYNC	06-000340
28-Dec-2006	GS1 Sweden	06-000343
10-Jan-2007	GS1	07-000008
02-Feb-2007	GS1	07-000043
09-Feb-2007	GS1	07-000053
03-May-2007	GS1	07-000187
03-Oct-2007	1Sync	07-000339
12-Jul-2007	GS1 Spain	07-000280
02-Jul-2007	GS1 France	07-000267
14-Jun-2007	P&G	07-000233
15-Oct-2007	Carrefour	07-000348
11-Jan-2005	GS1 France	05-000005
29-May-2007	GXS	07-000223
04-Jun-2007	GS1 Nederland	07-000228
28-Jul-2007	Agentrics on behalf of GDSN Modular Item WG	07-000292
28-Jul-2007	Agentrics on behalf of GDSN Modular Item WG	07-000293
28-Jul-2007	Agentrics on behalf of GDSN Modular Item WG	07-000294
01-Aug-2007	GS1 Sweden	07-000301
08-Aug-2007	1SYNC	07-000305
31-Aug-2007	GS1 Nederland	07-000316
26-Sep-2007	Agentrics on behalf of GDSN Modular Item WG	07-000336
08-Oct-2007	GS1 Nederland	07-000343
09-Oct-2007	Nestlé	07-000344
23-Oct-2007	Agentrics	07-000376
23-Oct-2007	Agentrics	07-000377
24-Oct-2007	GS1 Canada	07-000395
29-Oct-2007	GS1 UK	07-000409
19-Nov-2007	1Sync	07-000429
18-Dec-2007	Kraft Foods	07-000457
18-Jan-2008	1Sync	08-000011
16-Sep-2008	GS1 Australia	08-000220
16-Oct-2008	GS1 Austria GmbH	08-000247
09-Nov-2008	SA2 Worldsync GmbH	08-000258
16-Sep-2008	SA2 Worldsync GmbH	08-000227
20-Jan-2009	GS1	09-000005

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12-Dec-2008	GS1 Canada	08-000280
May-07	GXS	07-000223
September-07	SA2 Worldsync GmbH	07-000319
September-07	Agentrics	07-000321
January-08	GS1 UK	08-000014
January-08	GS1 France	08-000017
February-08	GS1 Sweden / Ahold	08-000025
February-08	1SYNC	08-000034
March-08	GS1 Russia	08-000063
March-08	Wal-Mart	08-000066
March-08	GS1US	08-000070
April-08	Metro Group Buying GmbH	08-000079
May-08	AHMA	08-000092
June-08	SA2 Worldsync GmbH	08-000099
June-08	SA2 Worldsync GmbH	08-000109
June-08	SA2 Worldsync GmbH	08-000111
June-08	SA2 Worldsync GmbH	08-000112
June-08	P&G	08-000121
June-08	GS1 UK	08-000123
June-08	GS1 UK	08-000124
June-08	GS1 UK	08-000125
August-08	GS1 Netherlands	08-000203
September-08	GS1 US	08-000214
September-08	SA2 Worldsync GmbH	08-000216
September-08	GS1 Australia	08-000221
September-08	GS1 Australia	08-000222
September-08	SA2 Worldsync GmbH	08-000225
September-08	SA2 Worldsync GmbH	08-000226
October-08	GS1 Sweden	08-000230
September-08	GS1 Netherlands	08-000232
October-08	GS1 Hungary	08-000240
October-08	GXS PDQ Ltd	08-000244
October-08	GS1 Australia	08-000245
October-08	GS1 Netherlands	08-000249
October-08	GS1 UK	08-000252
October-08	GS1 Sweden	08-000253

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November-08	SA2 Worldsync GmbH	08-000269
December-08	GS1 Canada	08-000272
December-08	GDSN Inc.	08-000273
December-08	GS1 Canada	08-000275
December-08	GS1 Canada	08-000276
December-08	GS1 Canada	08-000277
December-08	GS1 Canada	08-000279
December-08	GS1 Canada	08-000283
December-08	GS1 Canada	08-000284
December-08	GS1 Canada	08-000288
December-08	GS1 Canada	08-000289
December-08	SA2 Worldsync GmbH	08-000290
December-08	GS1 Hungary	08-000291
January-09	GS1	09-000006
January-09	GS1	09-000007
January-09	GS1	09-000008
January-09	GS1	09-000009
January-09	GS1	09-000010
January-09	GS1	09-000013
January-09	GS1	09-000014
January-09	GS1	09-000015
January-09	GS1	09-000016
February-09	GS1	09-000021
February-09	GS1	09-000022
February-09	GS1 US	09-000031
February-09	GS1 US	09-000038
February-09	GS1 Australia	09-000042
February-09	GS1 Australia	09-000043
February-09	GS1 France	09-000049
February-09	GS1 Netherlands	09-000050
February-09	GS1 Netherlands	09-000051
February-09	GS1 France	09-000052
February-09	GS1 Canada	09-000057
March-09	SA2 Worldsync GmbH	09-000059
April-09	GS1 Sweden	09-000084
May-09	GS1 US	09-000104

## Business Requirements Document (BRAD) Reference

BRAD Title:	BRD Date:	BRAD Version
{ref1 } BRD Data Synchronisation Data Model For Trade Item (Data Definition)		7.6
{ref2} BRD For Trade Item Extension Apparel and Home Fashion		2.4
{ref3} BRD For Hardlines Extension		0.8
{ref4} BRAD For GDSN Item Maintenance Release		0.0.5
{ref5} BRAD For GDSN Item Maintenance Release 3		0.0.2
{ref6} BRAD For GDSN Maintenance Release 4		0.0.3

## Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
30-Dec-2004	9.0.0	Eric Kauz	Initial Draft of BSD		
03-Apr-2005	9.0.1	Eric Kauz	Incorporation of Apparel, Hardlines and Item Regional.		
31-Mar-2005	9.0.2	Andrew Hearn	Context Update	Updated the context listed within the document	N/A
23-May-2005	9.0.3	Eric Kauz	Update to GDSN Classification to fix errata.		
03-Mar-2006	9.0.4	Eric Kauz	Made changes to existing item attributes and code lists based on CRs 05-000389 and 04-000129.	See section 1.10 for detailed list of changes.	
12-Jun-2007	9.0.5	Eric Kauz	<ul style="list-style-type: none"> <li>Changed packagingTermsAndConditions to packagingTermsAndCondition.</li> <li>Updated definition of TradeItemDescription to eliminate field length references.</li> </ul>	Comment review period.	
20-Apr-2007	9.0.6	Giovanni Biffi/Eric Kauz	<ul style="list-style-type: none"> <li>Code Value added to the SpecialItemCodeList</li> <li>Code Value added to PackagingMaterialCodeList</li> <li>Code Value added to the SizeTypeCodeList</li> <li>Code Values added to the AdditionalClassificationAgencyCodeList</li> <li>Code Values added to the PackagingTermsAndConditionsCodeList</li> <li>Added business rules from Item BRD</li> <li>Updated Business Rules for Target Market Subdivision Code, Functional Name, Trade Item Country Of Origin, Net Weight.</li> </ul>	Changes corresponding to the GDSN Maintenance Release 1	

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
05-Jul-2007	9.0.7	Eric Kauz	<ul style="list-style-type: none"> <li>Removed Code 12 (ECC) from the AdditionalClassificationAgencyCodeList</li> </ul>	Requirement for code value was in error.	
01-Aug-2007	9.0.8	Giovanni Biffi/Eric Kauz	Document updated to fulfill requirements of MR2. See appendix for detailed information.	Changes corresponding to the GDSN Maintenance Release 2	NA
14-Sept-2007	9.0.9	Eric Kauz	MR2 Public review comments. See appendix for detailed information.		
12-Oct-2007	9.1.0	Eric Kauz	E-ballot and approval.	Publication updates and update of definition of pallet type code 27	
03-Dec-2007	9.1.1	Eric Kauz	<ul style="list-style-type: none"> <li>Added definitions for code list values "LOOSE" and "PRE_PACKED" in the VariableMeasureTradeItem Code List.</li> <li>Add GS1 Spain to Additional Classification Agency</li> <li>Add "point" in the Unit of Measure codelist.</li> </ul>	Code List Release	
13-May-2008	9.2.0	Eric Kauz	<ul style="list-style-type: none"> <li>MR3 Changes see Document Change History</li> </ul>		
12-Jun-2008	9.2.5	Eric Kauz	<ul style="list-style-type: none"> <li>Fixed typo on new attribute - istradeItemPackedIrregularly</li> </ul>		
12-Aug-2008	9.2.6	Eric Kauz	<ul style="list-style-type: none"> <li>Changed to UTZ_KAPEH to UTZ CERTIFIED and expand target market. In definition.</li> <li>Changed the code list value EUROPEAN_UNION_FLOWER: in Class Compliance Code to EU_ECO_LABEL.</li> <li>Added EU_ORGANIC_FARM to packageMarksEnvironment code list.</li> <li>Clarified business rule for Clamp Pressure.</li> <li>Changed status of tradeItemCompositionDepth to global.</li> <li>Changed definition on EKO value to be more clear.</li> <li>Changed business rules for file type, file start effective date and file name to make them conditional on the file being an image.</li> </ul>	Public Review Comments	
15-Sept-2008	9.2.7	Eric Kauz	<ul style="list-style-type: none"> <li>Specified Unit of Measure to populate for TradeItemCompositionWidth and TradeItemCompositionDepth</li> <li>Eliminated reference to autopopulation of TradeItemDescription.</li> </ul>	Errata	

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Mode I Build #
07-Apr-2009	9.2.8	Eric Kauz	<ul style="list-style-type: none"> <li>Code List Updates <ul style="list-style-type: none"> <li>Additional Classification Agency</li> <li>Code Organic Claim Agency</li> <li>Display Resolution Code List</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>08-000220</li> <li>08-000247</li> <li>08-000258</li> <li>08-000227</li> <li>09-000005</li> <li>Errata</li> </ul>	
10-Oct-2009	9.3.0	Eric Kauz	<ul style="list-style-type: none"> <li>Release MR4</li> </ul>	<ul style="list-style-type: none"> <li>See detailed change summary for specific changes.</li> </ul>	
24-Nov-2009	9.3.1	Eric Kauz	<ul style="list-style-type: none"> <li>BMS Review</li> </ul>	<ul style="list-style-type: none"> <li>Made link to GDSNTradeItemClassificationAttributeType 0..*</li> <li>Corrected Unit of Measure Codes to eliminate G_</li> <li>Moved packagingRefundObligationName, packagingRefuseObligationName, returnableAssetsContainedQuantity , and returnableAssetCapacityContent to Packaging Material Class</li> <li>Change packagingUsableProductVolume to usableProductVolume and corrected definition.</li> <li>Changed filePixelHeight and filePixelWidth to non-negative integer</li> <li>Made averageDistanceTravelledToPointOfPackaging a Code instead of a measurementValue and created code list.</li> </ul>	
11-Feb-2010	9.3.2	Eric Kauz	<ul style="list-style-type: none"> <li>Public Review Feedback</li> </ul>	<ul style="list-style-type: none"> <li>Moved isTradeItemSeasonal from TradeItemDescriptionInformation to Season Class.</li> <li>Moved code list value LOCATION_UNSPECIFIED from Security Tag Type Code List to Security Tag Location Code List.</li> <li>Made association from TargetMarketCommunicationChannel to Communication channel 1..*.</li> <li>Updated definition of PINPACK.</li> <li>Hazardous Goods attributes made consistently global/local to deal with localized legislation.</li> <li>Added Global/Local Status for communityVisibilityDateTime.</li> <li>replacedByTradeItem , replacedTradeItemIdentification , substitutedByTradeItem , substitutedTradeItem were changed to T.P.Neutral &amp; T.P.Dependent.</li> </ul>	

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Mode I Build #
17-Mar-2010	9.3.3	Eric Kauz	<ul style="list-style-type: none"> <li>Errata</li> </ul>	<ul style="list-style-type: none"> <li>Updated Appendix A to include:  dangerousSubstancesWasteCode  displayDimensions  fileCampaignDescription  fileCopyrightDescription  fileDepictedSceneDescription  fileDisclaimerInformation  fileFeeDescription  fileRecommendedUsage  fileUsageRestriction  handlingInstructionsDescription  illegalToAdvertiseTargetMarket  itemsInFileDescription  languageSpecificBrandName  languageSpecificSubBrandName  manufacturerTakeBackProgramFee  manufacturingPlantIdentification  maximumToleranceLimitTemperature  minimumToleranceLimitTemperature  registeredAgentIdentification  returnablePackageDepositRegion  riskphraseCode  transportationMaximumTemperature  transportationMinimumTemperature  waterHazardCode</li> </ul>	

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# 1. Business Domain View

## 1.1. Problem Statement / Business Need

Item is the second message in the trade process following the Party message. Item elements are the mandatory attributes needed to align the item information between trading partners. These attributes in combination ensure the uniqueness of the data set associated with a GTIN. The use, definition, and relevance of these attributes are the same for All GS1 industries. Following the Item attributes is an extension of cross industry. These are data attributes that may be required in conducting commerce between partners for the trade of an item or service. These attributes are relevant to more than one industry. The definition of these attributes must be the same for all industries.

Item and the extension of the cross industry data processes include communicating the data elements necessary to support the core business requirements in the global trading environment. The Party and Item process are mandatory in the completion of the price, purchase order, invoice, etc. messages that follow in the global trade process.

The objective of this document is to elaborate the Data Synchronization Data Model for Trade Item (hereafter referred to as 'Data Sync Trade Item') business process in enough detail to support the construction of standards. It is assumed that the players, both seller and buyer, have established a business understanding of the trading partner relationship. The challenge is to provide the core elements necessary to complete all supply chain processes without duplicates.

## 1.2. Objective

To supply the detail design of the (specific) business transaction needed to meet the requirements for Data Alignment.

## 1.3. Audience

The audience of the standards would be any participant in the global supply chain. This would include retailers, manufacturers, service providers and other third parties.

## 1.4. References

Reference Name	Description
"ELECTRONIC CATALOGUES EAN RECOMMENDATIONS COMMON SET OF DATA" (June 1998-June 1999)	
"GLOBAL DATA ALIGNMENT – GCI – DRAFT" (21 Jan. 2000 – 24 July 2000)	
"ELECTRONIC CATALOGUES EAN RECOMMENDATIONS COMMON SET OF DATA" (June 1998-June 1999)	
GLOBAL DATA DICTIONARY- Item Data Model – General Overview, Version 1, Global Commerce Initiative, Global Data Dictionary Group, March 31, 2002	
EAN.UCC Business Message Standards Version 1.0, July 2001	

Reference Name	Description
Core Party Business Requirements Document, Version 6.0 of May 10, 2002	
Core Item and Extension of Trading Partner Neutral Data, Version 0.6.0 of May 10, 2002	
EAN.UCC Global Business Model (Process and Data), October 1999	
Java Framework for SIMPL-EDI Requirements Specification, April 2000	
Simple eb (electronic business), March 2000	
BPAWG Model of the International Supply Chain Domain (interim report), January 2000	
Change Requests: 01-000009, 01-000010, 01-000064, 01-000065.	
Change Request 02-00065	
GSMP –Technical Steering Team, Policy Paper “Policy on the use of identification keys in standards and recommendations developed in GSMP”, January 2003	
GLOBAL DATA DICTIONARY- Item Data Model – General Overview, Version 1, Global Commerce Initiative, Global Data Dictionary Group, March 31, 2002	
EAN.UCC Business Message Standards Version 1.0, July 2001	
UCS 888 Item Maintenance	
VICS EDI 832 Price Sales Catalogue	
I/C EDI 832 Price Sales Catalogue	
EANCOM® PRICAT	
ebXML/SOAP	
eCo Framework (Common Business Library)	
Rosettanet	

## 1.5. Acknowledgements

The following is a list of individuals (and their companies) who participated in the creation, review and approval of this BMS.

### 1.5.1. BRG Work Group

Function	Name	Company / organisation
BRG Work Group Member	Buckley, Greg	Pepsi-Cola USA
BRG Work Group Member	Costello, Aidan	QRS
BRG Work Group Member	Funk, Jim	SC Johnson
BRG Work Group Member	Geyer, Terrie	Sears Roebuck & Company
BRG Work Group Member	Gore, Harshal	e.centre-UK
BRG Work Group Member	Harris, Mike	Vialink
BRG Work Group Member	Hawkins, Bruce	Wal-Mart
BRG Work Group Member	Iwicka, Ewa	GS1
BRG Work Group Member	Kasper, Sascha	GS1 Germany, CCG
BRG Work Group Member	Kille, Grant	AGENTRICS
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BRG Work Group Member	Lockhead, Sean	UCCNet
BRG Work Group Member	Merulla, Mike	Wegmans
BRG Work Group Member	Moise, Michael	Nestle
BRG Work Group Member	Mouton, Olivier	Carrefour, France
BRG Work Group Member	Ngo, Aileen	Nestle
BRG Work Group Member	Panaccio, Robert (Co-chair)	Procter & Gamble
BRG Work Group Member	Pottier, Natascha (Co-chair)	GS1 Germany, CCG
BRG Work Group Member	Sadiwnyk, Mike	ECCC, Canada
BRG Work Group Member	Schneck, Joy	General Mills
BRG Work Group Member	Sheldon, Emma	UDEX
BRG Work Group Member	Spooner, Karen	Kraft Foods
BRG Work Group Member	Vacval, Milan	JDA
BRG Work Group Member	Walton, Mike	UDEX
BRG Work Group Member	Warde, Nadim	Equadis
BRG Work Group Member	Watt, Anna (Co-chair)	Cadbury/Schweppes
BRG Work Group Member	Wasielewski, David	Connective Commerce
BRG Work Group Member	Zielinski, Felix	The Coca Cola Company

### 1.5.2. Design Team Members

Function	Name	Organisation
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XML Technical Designer	Dipan Anarkat	GS1
EANCOM Technical Designer		
Peer Reviewer	Eric Kauz	GS1

## 2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Align GDSN
System Capabilities	EAN.UCC
Official Constraints	None

## 3. Additional Technical Requirements Analysis

Not Applicable.

### 3.1. Technical Requirements (optional)

Not Applicable.

## 4. Business Transaction View

### 4.1. Business Transaction Use Case Diagram

NA

### 4.2. Use Case Description

Use Case ID	UC-1																								
Use Case Name																									
Use Case Description	There is only one scenario in the Item data communication process as described in problem statement of section 1.1. Item data alignment is the process of communicating the core item and cross industry data elements following the establishment of a business relationship between supplier, buyer or third party.																								
Actors (Goal)	<p>The two general players in the Data Sync Trade Item business process are the "seller" and the "buyer". Depending on the specific nature of the relationship other players may have a role, such as a Third Party. The graphic flow below pictures the core sequence of messages, and is expanded to account for additional scenarios.</p> <table><tr><th>Actor's Name</th><th>Description</th><th>Buyer</th><th>Seller</th><th>3<sup>rd</sup> Party</th></tr><tr><td>Seller</td><td>Manufacturer or supplier of the item.</td><td></td><td>X</td><td>X</td></tr><tr><td>Buyer</td><td>Retailer or distributor of the item</td><td>X</td><td></td><td>X</td></tr><tr><td>Third Party</td><td>Other parties that somehow influence the item and may include creation, distribution, publication, and/or maintenance of the item.</td><td>X</td><td>X</td><td>X</td></tr></table>					Actor's Name	Description	Buyer	Seller	3 <sup>rd</sup> Party	Seller	Manufacturer or supplier of the item.		X	X	Buyer	Retailer or distributor of the item	X		X	Third Party	Other parties that somehow influence the item and may include creation, distribution, publication, and/or maintenance of the item.	X	X	X
Actor's Name	Description	Buyer	Seller	3 <sup>rd</sup> Party																					
Seller	Manufacturer or supplier of the item.		X	X																					
Buyer	Retailer or distributor of the item	X		X																					
Third Party	Other parties that somehow influence the item and may include creation, distribution, publication, and/or maintenance of the item.	X	X	X																					
Performance Goals																									
Preconditions	<p>The buyer and seller must make contact and set up a business relationship before trade can proceed. This is a prerequisite to all of the other steps. This initial contact can be made in many different ways. Following the establishment of the trading agreement the parties must exchange their basic business data such as trading partner names, addresses, locations, item attributes, price lists, contracts and trading partner agreements. Specifically, the Core Item message follows the Core Party message in the data alignment process. This process creates a common understanding between the trading parties which can be used as a resource throughout the trading process.</p> <p>The Data Sync Trade Item business process begins when the parties decide to do business together. The next step is for the buyer to communicate the Party organizational information to the seller. The seller provides his Party organizational information to buyer. Other data alignment follows such as item and price attributes.</p>																								
Post conditions	The end-state of the Data Sync Trade Item business process occurs when the parties have achieved Party and Item data alignment.																								
Scenario	<p><b>Begins when...</b> trading partners discuss the need to exchange item information.</p> <p><b>Continues with...</b></p>																								

	Step #	Actor	Activity Step
	1	All	All preconditions have been met.
	2	Seller	Communicates item data.
	3	Buyer	Receives item data.
	4	Buyer	Applies item data or notifies the seller of any errors in the data.
<b>Ends when...</b> the Data Sync Trade Item business message has been accepted by both the seller and buyer and data alignment has been achieved. This process can be an ongoing process as item business information changes or new parties are added. The process of trading goods and services can now occur.			
Alternative Scenario	Step #	Actor	Activity Step
	1		
	2		
	3		
Related Requirements			
Related Rules	Attribute Name	Business Rules	
	additionalClassificationAgencyName	Required if additional classification schema field are populated.	
	additionalTradeItemDescription	May be used for additional technical or commercial information. As a descriptive text field, this data element is repeatable for each language used and must be associated with a valid ISO language code.	
	barCodeType	Multiple values allowed. Use enumerated BarCode Type List.	
	brandName	Free form text field, but not necessarily tied to language. Brands are more likely to be language independent. If a trade item does not have a brand, Use 'unbranded' in the description. This is a Mandatory field. If a trade item is changed from being "Unbranded" to a brand, this requires a new GTIN. GTIN allocation rules may vary by industry.	
	brandOwner - represented by relation to Party Identification	The brand owner is the source of the data relating to the trade item, but is not necessarily responsible for providing and maintaining the data in the catalogue. This is the responsibility of the information provider. While the class BrandOwnerOfTradeItem is optional, the party identification for the brand owner is required when a brand owner is present.	
	clampPressure	The clamp pressure is the ONLY pressure value to be applied and there are no minimum or maximum values. If a clamp pressure less than the stated value is applied, the packaged product will slip the clamp and the product or its packaging may be damaged.	
	classificationCategoryCode	The system will assign Bricks on a first-approved, first-served basis. Mandatory within the Data Sync process.	
	casingTareWeight	The aggregate of the tare weight can be used for calculating the higher packaging levels. For example	

		a sausage has a net weight of 120 grams; the tare weight – food casing is 5 grams. When in a carton of 12 sausages - add together each sausage's tare weight – food casing for the accumulated total of all the sausages in the carton for total tare weight – food casing by carton 5 grams *12 sausages = 60 grams tare weight – food casing.	
	colorCodeListAgency	If colour code is indicated, colorCodeListAgency is required.	
	colorCodeValue	If colour code is indicated, colorCodeListAgency is required. EANCOM code list is to be used. This is used by certain industries which maintain specific colour code lists.	
	colorDescription	Free form text. As description text field. This data element is repeatable for each language used and must be associated with a valid ISO language code.	
	consumerAvailabilityDateTime	Time is expressed in the time zone of the target market where the trade item is intended for resale to consumers. ISO 8601 date format CCYY-MM-DDTHH:MM:SS.	
	cumulativeHumidityInterruptionAcceptableTimeSpanInstructions	cumulativeHumidityInterruptionAcceptableTimeSpanInstructions must be populated if cumulativeHumidityInterruptionAcceptableTimeSpan is not null.	
	cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions	cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions if cumulativeTemperatureInterruptionAcceptableTimeSpan is not null	
	dangerousGoodsRegulationCode	Various systems (ADR, RID, US49, IATA, etc.) exist and are used for hazard classification and identification. Repeatable field <a href="http://www.unece.org/trade/untdid/d99b/tred/tred8273.htm">http://www.unece.org/trade/untdid/d99b/tred/tred8273.htm</a> Hazardous attributes relate to supply chain handling (e.g. transport, storage, handling).	
	deliveryToDistributionCenterTemperatureMaximum	Temperature information is important for dairy trade item, dangerous goods and other trade items for which certain temperature limits are necessary during transport or storage, for quality or safety reasons. Has to be associated with valid UoM.	
	deliveryToDistributionCenterTemperatureMinimum	Temperature information is important for dairy trade item, dangerous goods and other trade items for which certain temperature limits are necessary during transport or storage, for quality or safety reasons. Has to be associated with valid UoM.	
	deliveryToMarketTemperatureMaximum	Temperature information is important for dairy trade item, dangerous goods and other trade items for which certain temperature limits are necessary during transport or storage, for quality or safety reasons. Has to be associated with valid UoM.	
	deliveryToMarketTemperatureMinimum	Temperature information is important for dairy trade item, dangerous goods and other trade items for which certain temperature limits are necessary during transport or storage, for quality or safety reasons.	

	depth	Measurements are relative to the type of trade items being measured. There are two cases described by the GDSN Packaging Measurement Rules: consumer trade items and non consumer trade items. Make sure you use the right specifications.
	descriptionShort	Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code.
	descriptiveSize	A descriptive size other than net content as labelled on consumer unit. Must be associated with a valid ISO language code.
	descriptiveSizeDimension	Either sizeDimension or descriptiveSizeDimension must be present, but not both. descriptiveSizeDimension is a description and is part of a mandatory choice (the other choice value being sizeDimension).
	displayDimensionType	<p>A displaydimensiontype is required of each dimension provided that is not the measurements provided under the Package Measurement Rules. Measurements provided under the Packaging Measurement Rules will be provided by the depth, height and width provide in Trade Item Measurements.</p> <p><u>IN PACKAGE</u></p> <p>The Value IN_PACKAGE is the equivalent of the standard measurements as per the GDSN Package Measurement Rules. In order to be backwards compatible do not send values for displayDimensionTypeCode and displayDimensions for In Package measurements. In Package measurements will use the mandatory height, depth Width in Trade Item Measurements. This allows all existing measurements in the network to continue without any requirement for a new attribute being sent.</p> <p>If the product is supplied with many others in a case or other shipping carton, for example 12 bottles of shampoo in a case, then the measurements are taken once the product is removed from the case. To send the measurements of the whole case, use the GTIN for the case, not the GTIN for the individual product.</p> <p>If the product itself is in boxed form, for example a drill or a radio, then the measurements are taken with the product still in its box, as supplied.</p> <p>In most situations, the trade unit is in the state in which the customer would transport it. For an item which is sold at a Retail Point of Sale, this means the consumer. For an item which is not sold at a Retail Point of Sale, this typically means a Retailer.</p> <p><u>OUT OF PACKAGE</u></p> <p>This covers both “out of box” and “assembled”.</p> <p>The merchandiser, as the receiver of the data, may need these measurements in addition to “in package” if one instance of the product is taken out</p>

		of box for display and other instances are left in box for purchase.	
	displayResolution	<p>If the electrical usage trade item classification has a value equal to Television (by name or classification code equivalent) then the display resolution must be one of the following:</p> <p>480_I 480_P 720_P 1080_P</p> <p>If the electrical usage trade item classification has a value equal to Computer (by name or classification code equivalent) then the display resolution must be one of the following:</p> <p>1024_768 1280_1024 1440_900 1600_1200 1680_1050 1920_1200</p>	
	effectiveDate	This date will be used for version management. The effective date can be different from publication date. If a new user begins to synchronize data on this GTIN after the original effective date, the effective date = the publication date for the new user. Time zone of the information provider may be noted in future drafts of the GDD. ISO 8601 date format CCYY-MM-DD	
	effectiveEndDate	PriceEndDate not required at time of initial price amount. Format defined by ISO8601	
	electricalUsageSubclassificationCode	<p>If the electrical usage trade item classification equals Television then the electricalUsage SubclassificationCode must include one of the following values:</p> <ul style="list-style-type: none"> <li>•CRT</li> <li>•LCD</li> <li>•Plasma</li> <li>•CRT Rear Projection</li> <li>•LCD/DLP Rear Projection</li> </ul> <p>If the electrical usage trade item classification equals Computer then the electricalUsage SubclassificationCode must include one of the following values:</p> <ul style="list-style-type: none"> <li>•Desktop</li> <li>•Laptop</li> </ul>	

	endAvailabilityDateTime	If the trade item is public only one date is valid per GTIN, GLN, TM combination. If Item is private there can be more than 1 value per TM. There is only one "end availability date" per GTIN/GLN/TM combination at any given time. In the case of seasonal trade items, only one start/end cycle can be in the data set version being synchronized. Therefore, a trade item cannot have multiple start/stop availability dates associated with it at any given time. Field is optional since most trade items are offered in an open ended environment. Is trading partner neutral for public trade items, trading partner dependent for private trade items.
	fatPercentageInDryMatter	Note: This requirement is handled through the FMCG Extension. Mainly concerns cheese and dairy trade items. Percentage is implicit.
	fileEffectiveEndDateTime	The fileEffectiveEndDateTime must be greater than the fileEffectiveStartDateTime when present.
	fileEffectiveStartDateTime	If the file is an image, the fileEffectiveStartDateTime must be present if the uniformResourceIdentifier is entered.
	fileFormatName	If the file is an image, the fileFormatName must be present if the uniformResourceIdentifier is entered.
	fileName	The first 14 characters of the file name must match the GTIN of the associated trade item.
	fileName	If the file is an image, the name must follow the GS1 Image Standards Naming Conventions.
	fileName	If the file is an image the fileName must be present if the uniformResourceIdentifier is entered.
	flashPointTemperature	Expressed in Celsius (or Centigrade) or Fahrenheit Format defined by UN/EDIFACT 7106. Has to be associated with valid UoM. Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

	functionalName	Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code.  Additional examples include: Yogurt Hammer Paint Nail Towel DVD Computer Flour Sheets Shirt Pants Jeans Facial tissues
	GDSNTradeItemClassificationAttributeValue	Only one instance of the same value for Attribute Value Type code is valid per trade item
	genericIngredient	If genericIngredient attribute is populated, then genericIngredientStrength attribute must also be populated.
	globalTradeItemNumber	EAN.UCC numbering structures will be used for the identification of trade items. All of them will be considered as 14-digit Global Trade Item Number (GTIN). Must be present to enable data to be presented to trade item catalogue. Must be submitted by the owner of the data (who may be the original manufacturer, the importer, the broker or the agent of the original manufacturer). This field is mandatory within the Global Data Synchronization work process.
	handlingInstructionsCode	Repeatable values are accepted.
	hasBatchNumber	Local legal requirement (E.g. Austria). Relevant only for certain industries.
	height	Measurements are relative to the type of trade items being measured. There are two cases described by the GDSN Packaging Measurement Rules: consumer trade items and non consumer trade items. Make sure you use the right specifications.
	itemsInFileDescription	GTINs should be used to populate this attribute if they are available.
	importClassificationValue:	Required on Import Products only.
	informationProvider	Combination of this field (gln) + gtin + target market uniquely identifies a set of attributes for a trade item. The data owner is not necessarily the source of the data, but has the responsibility to provide and maintain the data in the catalogue. This field is mandatory within the Global Data Synchronization work process.
	ingredientStrength	Sector specific extension pharmaceutical trade item. Can be locally mandatory based on each country's laws. Has to be associated with a valid unitBasisOfMeasure
	invoiceName	Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code. Most likely will include several abbreviations.

isIngredientIrradiated	Note: This requirement is handled through the FMCG Extension. Should only be submitted if a claim is made on the trade item. Only used if isTradeItemAConsumerUnit=true
isNetContentDeclarationIndicated	For a product without an on-pack net content declaration this field should be indicated as No, weight should be communicated at the trade unit level.
isNonSoldTradeItemReturnable	This attribute applies to certain industries, and applies to return of saleable goods. This indicator identifies the general rule, and is not transaction based.
isPackagingMarkedReturnable	Boolean Y/N; Y= marked returnable, N= not returnable. Attribute applies to returnable packaging with or without deposit.
isPackagingMarkedWithIngredients	Boolean Y/N where Y=marked with ingredients , N=not marked with ingredients. trade item ingredients are required to be shown on the trade item (normally consumer unit level) Sector specific and geographical extension. List of ingredients can be legally required in some countries for limited trade item sectors.
isRawMaterialIrradiated	Note: This requirement is handled through the FMCG Extension. Should only be submitted if a claim is made on the trade item.
isPriceOnPack	This attribute is only used when the trade item is a consumer unit.
isTradeItemAConsumerUnit	There can be more than one consumer unit in one hierarchy.
isTradeItemADespatchUnit	There can be more than one despatch unit in one hierarchy.
isTradeItemADisplayUnit	A display unit is an orderable unit. A display unit has one or multiple child items that are consumer units and may be at any level in a trade item hierarchy except BASE_UNIT_OR_EACH.
isTradeItemAnInvoiceUnit	There can be more than one invoicing unit in one hierarchy.
isTradeItemAnOrderableUnit	There can be more than one ordering unit in one hierarchy.
isTradeItemAVariableUnit	Boolean Yes=variable, No=fixed.
isTradeItemIrradiated	Note: This requirement is handled through the FMCG Extension. Should only be submitted if a claim is made on the trade item.
isTradeItemMarkedAsRecyclable	This is a yes/no (Boolean) where yes equals trade item marked with ISO markings.
isTradeItemPackedIrregularly	If isTradeItemPackedIrregularly = TRUE, then quantityOfCompleteLayersContainedInATradeItem, tradeItemCompositionWidth and tradeItemCompositionDepth should not be sent.
isTradeItemROHSCompliant	If an electronic or electrical product is identified by RoHS guidelines then this attribute must be populated.  If value = false then the attribute rOHSComplianceFailureMaterial is required.
isTradeItemUniversalWaste	This attribute applies in the US target market to products regulated under the Environmental Protection Agency's CFR 40 273.2 through 273.5;

		This can include Lamps (Bulbs that could be Fluorescent, High Intensity Discharge, neon) Batteries (re-chargeable) Thermostats, (Containing Mercury) and Pesticides.	
	lastChangeDateTime	System generated by the home data pool. Date format defined in ISO 8601- CCYY-MM-DDTHH:MM:SS	
	manufacturer- represented by relationship to Party Identification	While the class ManufacturerOfTradeItem is optional, the party identification for the manufacturer is required when the manufacturer of trade item is populated.	
	materialAgencyCode:	materialCode and materialAgencyCode are paired elements; if one is used the other must be present. These fields are used in conjunction with the percentage.	
	materialCode	materialCode and materialAgencyCode are paired elements; if one is used, the other must be present. These fields are used in conjunction with the percentage. materialCode should match the value of materialContent if both are populated.	
	materialContent	materialContent should match the value of materialCode if both are populated.	
	materialPercentage	This field can be used in conjunction with the fields 'materialCode' or 'materialContent'.	
	materialSafetyDataSheetNumber	This is an internal number which is distributed by the manufacturer. Can be in any format.	
	materialWeight	Acceptable Units of Measure for fabric weight are: ON – Ounces per square yard (oz/yd2)GM - Grams per square meter (g/m²).	
	minimumTradeItemLifespanFromTimeOfArrival	This field is indicative of the normal Minimum Shelf Life. It is recognized that this figure may vary slightly depending upon locations of DC or Stores, therefore it is repeatable. This information is linked to the Target Market. Must be expressed in number of days.	
	nameOfManufacturer	May or may not be the brand owner. This is not the name of a party that assembles trade item. It is an optional field, manually maintained, that can identify the company that manufactures the product.	

	<p>netContent</p>	<p>netContent is primarily for shelf labelling and price comparison and is not primarily a description field.</p> <p>This attribute is mandatory for consumer trade items. A consumer trade item can be an "each" or a "case" or any other level in the hierarchy.</p> <p>May be used by retailers to create a price comparison for the consumer. It is possible to express net content in both metric and imperial values.</p> <p>In case of multi-pack, indicate the net content of the total trade item. For fixed value trade items use the value claimed on the package, to avoid variable fill rate issue that arises with some trade item which are sold by volume or weight, and whose actual content may vary slightly from batch to batch.</p> <p>In case of variable measure trade items, indicate the average quantity."</p> <p>Attribute priceComparisonMeasurement is also used to provide a price comparison when the comparison is other than netContent.</p>																												
	<p>netWeight</p>	<p>Weight excludes all packaging material, including the packaging material for all lower-level GTINs.</p> <p>Example</p> <table><tr><th>GTIN</th><th>Trade Item Unit Descriptor</th><th>Total Quantity Of Next Lower Level Trade Item</th><th>Net weight</th><th>Net weight UoM</th><th>Gross Weight</th><th>Gross Weight UoM</th></tr><tr><td>4012345678900C</td><td>Pallet</td><td>100</td><td>1000</td><td>LB</td><td>1350</td><td>LB</td></tr><tr><td>1012345678900C</td><td>Case</td><td>10</td><td>10</td><td>LB</td><td>13</td><td>LB</td></tr><tr><td>0012345678900C</td><td>Each</td><td>n/a</td><td>1</td><td>LB</td><td>1.2</td><td>LB</td></tr></table>	GTIN	Trade Item Unit Descriptor	Total Quantity Of Next Lower Level Trade Item	Net weight	Net weight UoM	Gross Weight	Gross Weight UoM	4012345678900C	Pallet	100	1000	LB	1350	LB	1012345678900C	Case	10	10	LB	13	LB	0012345678900C	Each	n/a	1	LB	1.2	LB
GTIN	Trade Item Unit Descriptor	Total Quantity Of Next Lower Level Trade Item	Net weight	Net weight UoM	Gross Weight	Gross Weight UoM																								
4012345678900C	Pallet	100	1000	LB	1350	LB																								
1012345678900C	Case	10	10	LB	13	LB																								
0012345678900C	Each	n/a	1	LB	1.2	LB																								
	<p>totalQuantityOfNextLowerLevelTradeItem</p>	<p>If the quantityOfCompleteLayersContainedInATradeItem (number in height), tradeItemCompositionWidth (number in width) and tradeItemCompositionDepth (number in depth) are supplied, the product of these three attributes should equal the totalQuantityOfNextLowerLevelTradeItem.</p>																												
	<p>offerOnPack</p>	<p>If the physical dimensions of the product change as a result of the promotion, then a new GTIN must be allocated. If only a token is added to the product, then no need to change GTIN.</p>																												
	<p>openedTradeItemLifeSpan</p>	<p>It is counted from the date of manufacture. The number of days must sell by is applicable to the each level. For example, when the master item is received it has an ultimate shelf life number of days on it, for example, for a ham the ultimate number of days is 180. The manufacturer advises the retailer that once it's open the item is good for 7 days. That 7 days is used to create the label for the consumer. When the consumer buys some of the ham, the label will have the best before date which is based on the 7 days.</p>																												
	<p>orderingLeadTime</p>	<p>Geographic distance from manufacturing/distribution point to delivery point may impact this value. Related to time unit field. Must be associated with valid unit of measure.</p>																												

orderingUnitOfMeasure	GS1 standards reference the UN/CEFACT Recommendation 20 list for the possible Unit of Measure. orderingUnitOfMeasure is a string and is optional.
orderQuantityMaximum	Value can vary on Trading Partner dependent basis. Quantity means number of this trade item level hierarchy. This field is relevant at any trade item hierarchy level, but does not need to be populated for all levels.
orderQuantityMinimum	Value refers to the minimum order for this trade item hierarchy level. Cannot be a monetary figure. E.g. minimum order = \$100 of goods at cost. This field is relevant at any trade item hierarchy level, but does not need to be populated for all levels.
orderQuantityMultiple	If the order quantity minimum is 100, and the order quantity multiple is 20, then the product can only be ordered in quantities which are divisible by the order quantity multiple of 20, e.g. 100, 120, 140 200 etc.
orderSizingFactor	Assumes a standard size truck or lorry
packagingFunction	If packagingFunction code value is equal to "TAMPER_EVIDENT" then "Packaging Type Code" and "Packaging Type Description" must be populated.
packagingMaterialCodeListMaintenanceAgency	Dependent on field packagingMaterialCode
packagingMaterialDescription	Can be repeated for multi-material packaging and linked to packaging weight. As a description text field, this data element is repeatable for each language used and must be associated with a valid ISO language code. Dependent on the field packagingMaterialCode.
packagingMaterialLaunchDate Time	<p>If there are multiple factories producing the same packaging material, use the weighted average date for packagingMaterialLaunchDate</p> <p>If any of the following attributes change for a trade item, a new packagingMaterialLaunchDate must be submitted:</p> <ul style="list-style-type: none"> <li>•netcontent</li> <li>•packagingMaterialPerformanceCode</li> <li>•averageDistanceTravelledToPointOfPackagingCode</li> <li>•packagingUsableproductVolume</li> <li>•usableproductVolumeUOM</li> <li>•packagingMaterial</li> <li>•packagingTypeCode</li> <li>•packagingWeight</li> <li>•packagingWeight UoM</li> <li>•palletTypeCode</li> </ul>
packagingTypeDescription	List of authorized text description values based on UN-ECE 21 Recommendations - EANCOM 7065. Class can be repeated.
palletTermsAndConditions	Used in conjunction with a pallet GTIN. List of authorized values based on EANCOM 7073, X12 DE102 and X12 DE399.
palletTypeCode	All values besides 27 (unspecified weight or dimension) including null would indicate that the weight and dimensions of the trade item include the shipping platform. All other values including null would indicate that the weight and dimensions include the shipping platform.

partyReceivingPrivateData – represented by relationship to Party Identification.	There can be multiple instances of partyReceivingPrivateData. This is handled through the zero to many relationship between PrivateInformation and TradingPartnerNeutralTradeItemInformation. While the class ManufacturerOfTradeItem is optional, the party identification for the brand owner is required when a manufacturer is present.
pegHoleNumber	Required if the item has a peg hole. Multiple peg holes are allowed per product.
pegHorizontal	Required if the trade item is displayed on a peg board. Has to be associated with a valid UOM.
pegVertical	Required if the trade item is displayed on a peg board. Has to be associated with a valid UOM..
priceComparisonContentType	Additional Examples include: drained weight, per kilogram, per litre, ready to drink, ready to eat, including additives, millilitres excluding deposit, per piece, per dose, per load, per wash, per metre, per pound, per pint, per yard
priceComparisonMeasurement	This field is dependent on the population of priceComparisonContentType and is required when priceComparisonContentType is used.
publicationDate	There is only one release date per GTIN/TM/GLN combination. If a private trade item, the date can be trading partner dependent, if public, it is a trading partner neutral field. Date format is defined in ISO8601 –CCYY-MM-DD.
quantityOfInnerPack	An inner pack can only contain the same GTIN, and inner pack quantity must be constant.
quantityOfLayersPerPallet	Only used if the pallet has no GTIN. For more detailed information relating to Non GTIN pallet information please refer to the Trade Item Implementation guide.  If any " GTIN + GLN + TM" in the synchronized hierarchy has tradeitemunitdescriptor = "PL" (pallet) or " MX " (mixed module) then the additional attributes cannot be populated on any "GTIN + GLN + TM" in the synchronized hierarchy.
quantityOfNextLevelTradeItem WithinInnerPack	An inner pack can only contain the same GTIN, and inner pack sizing must be constant. Change of inner pack doesn't change higher or lower level GTINs
quantityOfTradeItemsContainedInACompleteLayer	Recommend when item is a pallet and is assigned a GTIN to use this attribute.
quantityOfTradeItemsPerPallet	Only used if the pallet has no GTIN. In this case it applies to the highest level of the item hierarchy and only 1 pallet configuration can be provided. It is highly recommended to use GTIN for Pallet identification.
quantityOfTradeItemsPerPallet Layer	Only used if the pallet has no GTIN. In this case it applies to the highest level of the item hierarchy. It is highly recommended to use GTIN for Pallet identification.  For more detailed information relating to Non GTIN pallet information please refer to the Trade Item Implementation guide.

registeredAgentIdentification	Within the Target Market of Australia ,this specifies who the owner of the product is. The company marketing a product or its representative could be the importer, a sales agent or broker and may not be the manufacturer.
replacedTradeItemIdentification represented as a role in Trade Item Diagram	The trade item identification that is being permanently replaced must already be in the home data pool in order to ensure data integrity. The old trade item identification specified in this field should be discontinued.
retailPriceOnTradeItem	As monetary amount field, this data element must be associated with a valid unit of measure. GTIN allocation rules state that price is not a relevant criteria for changing a GTIN except when the price is printed as a part of the trade item's packaging.
returnableAssetsContainedQuantity	<u>Guidelines:</u> <ul style="list-style-type: none"> <li>•A returnable case with full returnable bottles can only refer to an empty returnable base assortment (returnable case with empty returnable bottles). The "number of returnable asset" must then be "1".</li> <li>•A returnable six-pack can only refer to an empty returnable base item (e.g. bottle). The "number of returnable asset" must then be "6".</li> <li>•A non-returnable tray with full returnable glasses (with different sorts of content) can only refer to an empty returnable base item. The "number of returnable asset" must then be &gt; 1.</li> <li>•A returnable crate with non-returnable pots can only refer to an empty returnable base item. The "number of returnable asset" must then be "1".</li> </ul>
rOHSComplianceFailureMaterial	If isTradeItemRoHSCompliant = false then this attribute is required
seasonName	There can be a grouping of GTINs by season. Not covered by collection as a collection can have multiple seasons or vice versa, a season can have multiple collections.
securityTagLocation	Used on Consumer Units only.
securityTagType	Used on Consumer Units only.
sizeCodeListAgency	If size code is indicated, sizeCodeListAgency is required. Sector specific extension.
sizeDimension	The size dimension is specified using a decimal value and a valid Unit Of Measure (UOM). Either sizeDimension or descriptiveSizeDimension must be present, but not both. sizeDimension is a measurement value and is part of a mandatory choice (the other choice value being descriptiveSizeDimension).
stackingFactor	Factor will indicate how many levels the particular product may be stacked in. The counting of the levels will always commence at 1 not 0.

	startAvailabilityDateTime	If the trade item is public only one date (CCYY-MM-DDTHH:MM:SS) is valid per GTIN, GLN, TM combination. If Item is private there can be more than 1 value per TM. Needs to be earlier than "end availability date" This date indicates when the trade item can first be ordered by the buyer from the information provider. This date can be trading partner dependent if the trade item or service is defined as private. It is trading partner neutral if the trade item/service is public. It does not indicate when this trade item becomes available to the end consumer (see first sale date) There is only one start availability date per GTIN/GLN/TM combination. Date format is ISO8601 – CCYY-MM-DDTHH:MM:SS.	
	storageHandlingTemperatureMaximum	When no other information is provided (temperatures to market or/and distribution centre), this value applies at any point of the supply chain. Temperature information is important for fresh trade item, dangerous goods and other trade items for which certain temperature limits are necessary for quality or safety reasons. Has to be associated with a valid UoM.	
	storageHandlingTemperatureMinimum	When no other information is provided (temperatures to market or/and distribution centre), this value applies at any point of the supply chain. Temperature information is important for fresh trade item, dangerous goods and other trade items for which certain temperature limits are necessary for quality or safety reasons. Has to be associated with a valid UoM.	
	suggestedRetailPrice	As monetary amount field, this data element must be associated with a valid unit of measures. Changes in this value do not require a change in GTIN. When the suggestedRetailPrice is provided for information and not on physically the package, it can be different per Target Market and becomes G / L.	
	targetMarketCountryCode	ISO 3166-1 format 3 digit numerical; following AIDC guidelines. This information drives data synchronization rules linked to global/local, local status. Combination of this field +GTIN+GLN uniquely identifies a set of attributes or a trade item. This is a repeatable field. This field is mandatory within the Global Data Synchronization process.	
	targetMarketSubdivisionCode	ISO 3166-2 format 3 digit numerical/3 character alpha which represents country and subcountry code; following AIDC guidelines. This information drives data synchronization rules linked to global/local, local status. This optional field helps further define trade item availability. The target market code consists of a country code and an optional subdivision code. A subdivision code must be used in tandem with a corresponding higher level country code. (e.g. Ohio with US). There can only be one targetMarketSubdivisionCode per targetMarketCountryCode.	
	taxAmount	As monetary amount field, this data element is must be associated with a valid unit of measure. taxRate and taxAmount are mutually exclusive for each tax type.	

	taxRate	This will vary by target market. taxRate and taxAmount are mutually exclusive for each tax type. Percentage is implicit.
	taxTypeCode	This will vary by target market. Repeatable field inside each possible target market.
	tradeItemCompositionDepth	The default unit of measure to express a quantity for this attribute is "UN" for unit for example 6 UN.
	tradeItemCompositionWidth	The default unit of measure to express a quantity for this attribute is "UN" for unit for example 6 UN.
	tradeItemCountryOfOrigin	<p>This information is for customs purpose in case of importation or legal requirements regarding customer information for some categories of trade item (e.g. meats and fruits) Information can be repeated if multiple countries are valid. In this case, the buyer will only know the actual country of origin at the time of delivery. Code list ISO 3166-1 code.</p> <p>ISO 3166-1 code 097 is used to represent the European Union. Note: This rule does not extend the values of the ISO 3166-1 Country Code for any other attributes which reference ISO 3166-1.</p>
	tradeItemGroupIdentificationCode	Manufacturer assigned. This code is typically assigned to multiple GTINs.
	tradeItemGroupIdentificationDescription	If trade itemGroupIDCode is present, description must be present. A description text field, this data element is repeatable for each language used and linked to data element "Description language".
	tradeItemIdentificationOfNextLowerLevelTradeItem (Represented as association of ChildTradeItem Class to TradeItemIdentification Class).	Allowed for more than 1 reference to lower levels to allow for the registration of Mixed Assortments. The sequence of entering GTINs is important when a next lower level GTIN is to be linked. The next lower level GTIN must already exist, therefore the order of trade items to be entered should be from lowest to highest e.g. consumer, then intermediate, then traded, etc. While there can be multiple child trade items, there can only be one trade item identification per child item.
	tradeItemPriceBasisQuantity	<p>If the tradeItemPriceBasisQuantity applies to an "each" then the price basis quantity is "per 1 PCE".</p> <p>The tradeItemPriceBasisQuantity is mandatory if the catalogue price is provided.</p>
	variant	This is different from the Global Product Classification variant. Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code.
	wasteAmount	<p>Per WEEE directive, only three unit of measure values are permissible:</p> <ul style="list-style-type: none"> <li>•Kilogram</li> <li>• Ton</li> <li>•Piece</li> </ul> <p>A second iteration of Electronic Waste Amount for WEEE is only permissible if the unit of measure is "piece".</p>

	wasteDirectiveApplianceType	For WEEE wasteDirectiveApplianceType is to be populated using the Categories of Electrical and Electronic Equipment detailed in Directive 2002/96/EC of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE).	
	width	Measurements are relative to the type of trade items being measured. There are two cases described by the GDSN Packaging Measurement Rules: consumer trade items and non consumer trade items. Make sure you use the right specifications.	
	All attributes with Multi-Measurement data type in Core Trade Item and in its associated extensions.	<ul style="list-style-type: none"> <li>• Data Sources should be permitted to send either metric or imperial measurements, depending on the Target Market. It is the Data Source decision which measurement system to choose in the Target Market.</li> <li>• For each Target Market, there will be only one value, as determined by the Data Source.</li> <li>• The Data Source should provide the measurement system that is` required in a specific target market.</li> <li>• This rule does not cover netContent which allows for the application of multiple measurements for business reasons.</li> </ul>	

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

Not Available

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

Not Available

## 5. Information Model (Including GDD Report)

### 5.1. GDD Report

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
ExternalFileLink				External File Link. Details	Information specifying a link to a file external to the message itself.		{ref4}	
	canFileStream			External File Link. Can File Stream. Nonbinary Logic_Code	An indicator that the digital asset is compressed to start displaying/running before fully uncompressing.	0..1	{ref6}	
	contentDescription			External File Link. Content Description. Language_Text	Free form description of the content of the file.	0..1	{ref4}	Min 1 Max 70
	fileAspectRatio			External File Link. File Aspect Ratio. Text	A description of the aspect ratio used to determine how a digital asset fits on a page or monitor.	0..1	{ref6}	Min 1 Max 70
	fileColourScheme			External File Link. File Colour Scheme. Text	The type of colour scheme used in the digital asset.	0..1	{ref6}	Min 1 Max 35
	fileContrast			External File Link. File Contrast. Text	The contrast used in the digital asset. Contrast is the difference in brightness between light and dark areas of an image. Contrast determines the number of shades in the image.	0..*	{ref6}	Min 1 Max 70
	fileCreationProgram			External File Link. File Creation Program. Text	The program used in the creation of the digital asset.	0..*	{ref6}	Min 1 Max 70
	fileEffectiveEndDateTime			External File Link. File Effective End Date Time. Date Time	The date this image ceases to be the current image for this trade item.	0..1	{ref4}	
	fileEffectiveStartDateTime			External File Link. File Effective Start Date Time. Date Time	The date this image is the current image for this trade item.	0..1	{ref4}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	fileFormatDescription			External File Link. File Format Description. Language_Text	Free form description of the format of the file.	0..1	{ref4}	Min 1 Max 70
	fileFormatName			External File Link. File Format Name. Text	The name of the file format. Examples: PDF; JPEG; BMP	0..1	{ref4}	Min 1 Max 10
	fileName			External File Link. File Name. Text	The name of the file that contains the external information.	0..1	{ref4}	Min 1 Max 70
	fileOptimalMediaPlayerName			External File Link. File Optimum Media Player Name. Text	The media player to which this asset was targeted.	0..*	{ref6}	Min 1 Max 200
	fileOriginCountry			External File Link. File Origin Country. ISO3166_Code	The country where the digital asset originated.	0..*	{ref6}	
	filePixelHeight			External File Link. File Pixel Height. NonNegative_Integer	The number of pixels along the vertical axis of the image.	0..1	{ref6}	
	filePixelWidth			External File Link. File Compression Type. NonNegative_Integer	The number of pixels along the horizontal axis of the image.	0..1	{ref6}	
	filePlaybackRate			External File Link. File Playback Rate. Nonnegative Integer	The targeted frame rate for the display of the digital asset, expressed as an integer representing the number of frames per second.	0..1	{ref6}	
	fileResolutionDescription			External File Link. File Resolution Description. Language_Text	The resolution of the file. Knowing the resolution will allow the user to be able to determine the best system with which to utilize the file.	0..1	{ref6}	Min 1 Max 70
	fileRunTime			External File Link. File Run Time. Time	The playback or running length of time for the digital asset. This most common is in reference to video or audio files, but is not limited to them. This would be expressed in hours, minutes and second (hh:mm:ss).	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	fileVersion			External File Link. File Version. Text	A description of the terms used by the manufacturer to denote the version of the digital asset.	0..1	{ref6}	Min 1 Max 70
	isFileBackgroundTransparent			External File Link. File Background Transparent. Nonbinary Logic_Code	An indicator of whether or not the background used in the file is transparent. Having a transparent background would allow a recipient to place the file into any setting necessary.	0..1		
	uniformResourceIdentifier			External File Link. Uniform Resource Identifier. Text	Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc.	0..1	{ref4}	Min 1 Max 512
		fileBackgroundColourDescription	MultiDescription	External File Link. File Background Colour Description. Multi-language Description	A description of the colour for the background in the digital asset. The background is the area in the asset which surrounds the item.	0..1	{ref6}	Min 1 Max 70
		fileColourCalibration	MultiDescription	External File Link. File Colour Calibration. Multi-language Description	The colour calibration fashion used in the creation of the digital asset for example: Kodak, Heidelberg CMM, Apple colourSync, etc.	0..*	{ref6}	Min 1 Max 70
		fileCompressionType	MultiDescription	External File Link. File Compression Type. Multi-language Description	A description of the compression method used to reduce the file size stored at the link. This information is used to aid the user in choosing the correct program to extract the file. Examples include Quick Time, Real Player, mpg, WinZip, etc.	0..*	{ref6}	Min 1 Max 70
		filePrintHeight	MultiMeasurementValue	External File Link. File Compression Type. Multi-Measurement Value	The maximum measurement along the vertical axis of a printed representation of the file.	0..1	{ref6}	
		filePrintWidth	MultiMeasurementValue	External File Link. File Compression Type. Multi-Measurement Value	The maximum measurement along the horizontal axis of a printed representation of the file.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		fileSize	MultiMeasurementValue	External File Link. File Compression Type. Multi-MeasurementValue	The size of the file as it is stored in an uncompressed format.	0..*	{ref6}	
		None	FileContentInformation	External File Link.Association. File Content Information	Information on file content for an external file.	0..1	{ref6}	
		None	FileUsageInformation	External File Link.Association. File Usage Information	Information on usage for an external file.	0..1	{ref6}	
FileContentInformation				File Content.Details	Information on file content for an external file.			
	areHumanModelsInFile			File Content. Human Models In File. Nonbinary Logic_Code	An indicator whether or not the item is shown or depicted with human models.	0..1	{ref6}	
	fileAuthorName			File Content. File Author Name. Text	The organization(s) or person(s) who is responsible for creating the digital asset.	0..*	{ref6}	Min 1 Max 70
	fileLanguage			File Content. File Language. ISO639_Code	The specified language to which the digital asset is targeted.	0..*	{ref6}	
	fileLayerQuantity			File Content. File Layer Quantity. Non-negative_Integer	The number of layers in the digital asset.	0..1	{ref6}	
	fileItemPosition			File Content. File Item Position.Text	A description of how the item is placed in the digital asset for example the item is propped (leaning against an object) or held (being held by a model).	0..*	{ref6}	Min 1 Max 35
	itemDepictionTypeCode			File Content. Item Depiction Type. Text	The state of the item (e.g. assembled) as it is being depicted in the digital assets for example gift wrapped or assembled.	0..*	{ref6}	Min 1 Max 35
	numberOfItemsInDigitalAsset			File Content. Number Of Items In Digital Asset. Non-Negative_Numeric	The number of items in the digital asset, where the asset contains more than one item.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	fileCameraPerspective			File Content. File Camera Perspective. Multi-language Description	A description of the angle of perspective used by the camera in the capture of the digital asset.	0..1	{ref6}	Min 1 Max 70
	fileDepictedSceneDescription			File Content. File Depicted Scene Description. Multi-language Description	The scene or location used as a setting or backdrop in the digital asset.	0..*	{ref6}	Min 1 Max 1000
	fileDepictedSeason			File Content. File Depicted Season. Multi-language Description	A description of the season shown or depicted within the digital asset. (e.g. Winter, Spring).	0..*	{ref6}	Min 1 Max 70
	fileTalentDescription			File Content. File Talent. Multi-language Description	The specific identification of the talent used in the file. For example, may identify a celebrity as the spokesperson for the product as included in the asset.	0..*	{ref6}	Min 1 Max 1000
	fileLifestyleDescription			File Content. File Lifestyle Description. Multi-language Description	The lifestyles to which this digital asset can be used. For example psychographic, demographic, age, etc.	0..*	{ref6}	Min 1 Max 70
	fileStoryDescription			File Content. File Story Description. Multi-language Description	A description of the storyboard or plot of the digital file.	0..*	{ref6}	Min 1 Max 1000
	itemsInFileDescription			File Content. Items In File Description. Multi-language Description	A description of the additional items shown or depicted in the digital asset.	0..*	{ref6}	Min 1 Max 70
FileUsageInformation				File Usage. Details	Details on how the file can be used by the recipient.			
	areFeesRequiredForUse			File Usage. Are Fees Required For Use. Nonbinary_Logic Code	An indicator whether or not a fee is required for the use of this digital asset.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	canFilesBeEdited			File Usage. Can File Be Edited. Nonbinary_Logic Code	An indicator of whether the user or recipient of the digital asset can edit it prior to use or as a function of using the asset. Some digital assets are designed such that the recipient can edit the asset to meet the needs of a final output.	0..1	{ref6}	
	intendedPublicationCountry			File Usage. Intended Publication Country. ISO3166_1_Code	The country/countries in which the digital asset is designed to be used.	0..*	{ref6}	
	isFileForInternalUseOnly			File Usage. Is File For Internal Use Only. Nonbinary_Logic Code	An indicator whether or not the file is intended for internal use only and not for general publication.	0..1	{ref6}	
	isTalentReleaseOnFile			File Usage. Is Talent Release On File. Nonbinary_Logic Code	An indicator whether or not the owner of the asset has a talent release on file. This applies to files where talent or a model is used.	0..1	{ref6}	
		fileCampaignDescription		File Usage. File Campaign Description. Multi-language Description	A reference to a specific communication project to which the digital asset is associated, such as the Back To School Campaign. A campaign is a marketing term used to describe the event, sale, promotion, or other program for which this digital asset is designed to be part.	0..*	{ref6}	Min 1 Max 1000
		fileCopyrightDescription		File Usage. File Copyright Description. Multi-language Description	A description of any Copyright notice which pertains to the digital asset.	0..*	{ref6}	Min 1 Max 1000
		fileDisclaimerInformation		File Usage. File Copyright Description. Multi-language Description	A description expressing any disclaimers which pertain to the digital asset. (e.g. Item may be smaller than appears)	0..*	{ref6}	Min 1 Max 1000

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		fileFeeDescription		File Usage. File Disclaimer Information. Multi-language Description	A description of the fees that are applicable to use of the digital asset. This attribute may be a list of actual fees, a description of the fee structure, or contact information to find out the fees.	0..*	{ref6}	Min 1 Max 1000
		fileRecommendedUsage		File Usage. File Recommended Usage. Multi-language Description	<p>A textual description of the recommended use of the asset in an easy to understand fashion such that all parties, regardless of specific expertise, can understand use of the asset. This element's intention is to "translate" complicated characteristics into a simpler textual representation.</p> <p>Examples:</p> <ul style="list-style-type: none"> <li>•If the characteristics of the external file are a resolution of 1775 x 1230 pixels, colour space RGB 8 bit by colour, format TIF or JPG compressed to maximum quality. Recommended Usage might be "print maximum quality" and/or "web publishing".</li> <li>•If the characteristics of the external file are mpg, Recommended Usage might be "web publishing".</li> </ul> <p>As this value may not be the same for all digital assets, this attribute should be linked to a specific URL.</p>	0..*	{ref6}	Min 1 Max 1000
		fileRightsDescription		File Usage. fileRightsDescription. Multi-language Description	The structure for Digital Rights Management (DRM) which is in place on the file. This could be ID and location of external Intellectual Property Management & Protection (IPMP) system for lookup of usage rights. Presence of a value for this attribute signifies that the file uses a DRM.	0..*	{ref6}	Min 1 Max 1000
		fileUsageRestriction		File Usage. File Usage Restriction. Multi-language Description	A description of any restrictions on the ability of the recipient's to use of the asset.	0..*	{ref6}	Min 1 Max 1000
		intendedPublicationMediaTypeDescription		File Usage. Intended Publication Media Type Description. Multi-language Description	The media types with which the digital asset was designed to be utilized, such as Web, Catalogue, Circular among others.	0..*	{ref6}	Min 1 Max 1000

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
GDSNTradeItemClassification				GDSN_ Product Classification. Details	Not Available		{ref1}	
	classificationCategoryCode			GPC_ Product Classification. Class. Identifier	A code that identifies a category in the GPC product classification.	1..1	{ref1}	
	classificationCategoryDefinition			GPC_ Product Classification. Class Description. Text	System generated explanation of Global EAN.UCC category.	0..1	{ref1}	
	classificationCategoryName			GPC_ Product Classification. Class Name. Text	The system generated text equivalent of the Global EAN.UCC classification category code.	0..1	{ref1}	
		additionalClassification	Classification Category	GPC_ Product Classification. Association. Non-GPC_ Product Classification	Provides category information based on alternate classification schemas chosen in addition to EAN.UCC classification schema.	0..*	{ref1}	
			GDSNTradeItemClassificationAttributeType	GPC_ Product Classification. Association. GPC_ Product Classification Attribute	Contains information which identifies the GPC classification attribute for a trade item.	0..*	{ref1}	
ClassificationCategory				Non-GPC_ Product Classification. Details	Provides details on product classifications used in addition to the Global EAN.UCC schema.		{ref1}	
	additionalClassificationAgencyName			Non-GPC_ Product Classification. Agency Name. Text	Text name of the additional external classification agency whose schema is being provided in addition to the Global EAN.UCC schema. Required if additional classification schema fields are populated	1..1	{ref1}	Min 1 Max 35
	additionalClassificationCategoryCode			Non-GPC_ Product Classification. Class. Identifier	Category code based on alternate classification schema chosen in addition to EAN/UCC classification schema.	1..1	{ref1}	Min 1 Max 15

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	additionalClassificationCategoryCodeVersion			Non-GPC_ Product Classification. Additional Classification Category Code. Version_Identifier	The identification of a release of a particular product classification.	0..1	{ref6}	
	additionalClassificationCategoryDescription			Non-GPC_ Product Classification. Class Description. Text	!! Description of the additional classification bundle (code/agency + description).	0..1	{ref1}	Min 1 Max 70
GDSNTradeItemClassificationAttributeType				GPC_ Product Classification Attribute. Details	Global EAN.UCC classification attribute code		{ref1}	
	eANUCCClassificationAttributeTypeCode			GPC_ Product Classification Attribute. Type. Identifier	Unique 8 digit code which identifies the Global EAN.UCC classification attribute.	1..1	{ref1}	
	eANUCCClassificationAttributeTypeDefinition			GPC_ Product Classification Attribute. Type Definition. Text	System generated explanation of Global EAN.UCC attribute.	0..1	{ref1}	
	eANUCCClassificationAttributeTypeName			GPC_ Product Classification Attribute. Type Name. Text	The system generated text equivalent of the Global EAN.UCC classification attribute code	0..1	{ref1}	
		None	GDSNTradeItemClassificationAttributeValue	GPC_ Product Classification Attribute. Association. GPC_ Product Classification Attribute Value	None	1..1	{ref1}	
GDSNTradeItemClassificationAttributeValue				GPC_ Product Classification Attribute Value. Details	Provides the actual value of the Global Product Classification attribute.		{ref1}	
	eANUCCClassificationAttributeValueCode			GPC_ Product Classification Attribute Value. Code. Identifier	Unique 8 digit code which identifies the Global EAN.UCC classification attribute value.	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	eANUCCClassificationAttribute ValueName			GPC_ Product Classification Attribute Value. Name. Text	The system generated text equivalent of the Global EAN.UCC classification attribute value code.	0..1	{ref1}	
ChildTradeItem				Child_ Trade Item. Details	Not Available		{ref1}	
	quantityofNextLowerLevelTradeItem			Child_ Trade Item. Quantity. Quantity	The number of one child trade item (as identified by the association of ChildTradeItem class to TradeItemIdentification class) contained by the parent trade item. The child trade item must be in the hierarchy level immediately below the parent trade item.	1..1	{ref1}	
		None	TradeItemIdentification	Child_ Trade Item. Association. Trade Item Identification	A reference to the GTIN of the next lower level of trade item that this trade item contains .	1..1	{ref1}	
InformationProvider				Information Provider_ Party. Details	!! This class is part of the Trade Item Information Class		{ref1}	
	nameOfInformationProvider			Information Provider_ Party. Name. Text	Name of the party who owns the data. Name of the information provider on the trade item. Mandatory when informationProvider is provided	1..1	{ref1}	
		informationProvider	PartyIdentification	Information Provider_ Party. Identification. Party Identification	None	1..1	{ref1}	
NextLowerLevelTradeItemInformation				Next Lower Level_ Trade Item Containment. Details	!! This class originates in the root class Trade Item		{ref1}	
	quantityOfChildren			Next Lower Level_ Trade Item Containment. Number Of Children_ Quantity. Quantity	Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs.	1..1	{ref1}	
	totalQuantityOfNextLowerLevelTradeItem			Next Lower Level_ Trade Item Containment. Total_ Quantity. Quantity	This represents the Total quantity of next lower level trade items that this trade item contains.	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	ChildTradeItem	Next Lower Level Trade Item Containment. Association. Child Trade Item	None	1..*	{ref1}	
TargetMarketCommunicationChannel				Target Market Communication Channel. Details	The communication channel for example phone number for a target market for a Trade Item.		{ref6}	
			CommunicationChannel	Target Market Communication Channel. Association. Communication Channel	A communication channel for a target market for example telephone.	1..*	{ref6}	
			TargetMarket	Target Market Communication Channel. Association. Target Market	A target market associated with a communication channel for example Canada.	0..*	{ref6}	
TradeItem				Trade Item. Details	A Trade Item is any product or service upon which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. The term "trade item" is not to be confused with the legacy term "traded item" (now referred to within the General EAN.UCC Specifications as 'standard trade item group' which can mean a specific product containment level, which is also called case. "Trade item" can represent any level of product containment, and also can represent a service.		{ref1}	
	isTradeItemADisplayUnit			Trade Item. Display Unit Indicator. Nonbinary Logic_Code	An indicator whether or not a trade item is or could be used as a display unit. A display unit is intended to be shipped to a store without being split at a distribution centre or similar party and is intended to be displayed in a retail store either on a shelf or on the shop floor.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	tradeItemUnitDescriptor			Trade Item. Unit Descriptor. Unit Descriptor_ Code	Describes the hierarchical level of the trade item. TradeItemUnitIndicator is mandatory. Examples: "CASE" , "PALLET" . For information about the usage of this attribute refer to Appendix C.	1..1	{ref1}	
		equivalentTradeItem	TradeItemIdentification	Trade Item. Equivalent. Trade Item Identification	A product which can be substituted for the trade item based on supplier defined functional equivalence to the trade item.	0..*	{ref6}	
		itemVariantMaster	TradeItemIdentification	Trade Item. Item Variant Master. Trade Item Identification	Another trade item of which this trade item is a variant. Used when the trade item is a variant of a previously specified trade item for example a new flavour of an existing soft drink. This reference may be used when the trade item has identical package type, physical dimensions and brand name as the itemVariantMaster trade item. This attribute only creates a logical link to a similar product. It is not used to negate the need for sending all item information about this product.	0..1	{ref6}	
		NextLowerLevelTradeItemInformation	NextLowerLevelTradeItemInformation	Trade Item. Association. Next Lower Level_ Trade Item Containment	Not Available	0..1	{ref1}	
		None	TradeItemIdentification	Trade Item. Association. Trade Item Identification	None	1..1	{ref1}	
		replacedByTradeItem	TradeItemIdentification	Trade Item. Replaced By. Trade Item Identification	The trade item which permanently replaces the current trade item. This Trade Item is sent in the record for the original item that is being replaced.	0..1	{ref6}	
		replacedTradeItemIdentification	TradeItemIdentification	Trade Item. Replaced. Trade Item Identification	Indicates the trade item identification of an item that is being permanently replaced by this trade item.	0..1	{ref1}	
		substitutedByTradeItem	TradeItemIdentification	Trade Item. Substituted By. Trade Item Identification	The trade item that is temporarily replacing the original GTIN. This attribute is used on the original trade item.	0..1	{ref6}	
		substitutedTradeItem	TradeItemIdentification	Trade Item. Substituted. Trade Item Identification	The original trade item that is temporarily being replaced. This attribute is used with the replacement trade item.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	TradeItemInformation	Trade Item. Association. Trade Item Information Group	None	1..1	{ref1}	
TradeItemContactInformation				Trade Item Contact. Details	Contact details for a Trade Item.		{ref6}	
	availableTime			Trade Item Contact. Available Time. Time_Date Time	The time that a specific contact for a Trade Item is available for contact.	0..1	{ref6}	
	contactType			Trade Item Contact. Contact Type. Text	The general category of the contact party for a trade item for example Purchasing.	1..1	{ref6}	Min 1 Max 35
		None	PartyIdentification	Trade Item Contact Information. Association. Party Identification	Party Identification for a Trade Item Contact	0..1	{ref6}	
		None	TargetMarketCommunicationChannel		The communication channel for example phone number for a target market for a Trade Item.	0..*	{ref6}	
TradeItemDescriptionInformation				Trade Item Description. Details	!! This class is part of the Trade Item Information Class		{ref1}	
	brandName			Trade Item Description. Brand. Text	The recognisable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	1..1	{ref1}	Min 1 Max 70
	isTradeItemAService			Trade Item Description. Service Indicator.Nonbinary Logic_Code	An indicator that the trade item is a service and not a physical item for example a receipt that can be used for upgrading a pre-paid phone balance, an entrance ticket to an amusement park, sporting event, theatre, service maintenance, installation service, repairs.	0..1	{ref6}	
	isTradeItemReconditioned			Trade Item Description. Reconditioned Indicator.Nonbinary Logic_Code	An indicator whether or not this item is a remanufactured (or rebuilt) or reconditioned part.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	productRange			Trade Item Description. Product Range. Text	A name, used by a BrandOwner, that span multiple consumer categories or uses. E.g. (Waist Watchers).	0..1	{ref1}	Min 1 Max 35
	subBrand			Trade Item Description. Sub_Brand. Text	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand.	0..1	{ref1}	Min 1 Max 70
	tradeItemFormDescription			Trade Item Description. Form_Description. Text	The physical form or shape of the product. Used, for example, in pharmaceutical industry to indicate the formulation of the trade item. Defines the form the trade item takes and is distinct from the form of the packaging.	0..*	{ref1}	Min 1 Max 35
	tradeItemGroupIdentificationCode			Trade Item Description. Group.Identifier	A code assigned by the supplier or manufacturer to logically group trade item independently from the Global trade item Classification.	0..1	{ref1}	Min 1 Max 20
	<<deprecate>>linkToExternalDescription			Trade Item Description. Link To External Description. Text	The link (e.g. URL) to the external description.	0..1	{ref1}	
		descriptionShort	MultiShortDescription	Trade Item Description. Short_Description. Multi-language Description	A free form short length description of the trade item that can be used to identify the trade item at point of sale. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-30.	0..1	{ref1}	Min 1 Max 35
		functionalName	MultiShortDescription	Trade Item Description. Functional_Name. Multi-language Description	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-35.	1..1	{ref1}	Min 1 Max 35

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		invoiceName	MultiDescription	Trade Item Description. Invoice_ Name. Multi-language Description	Free form information provider assigned trade item description designed to match trade item/service description as noted on invoices. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	0..1	{ref1}	Min 1 Max 35
		languageSpecificBrandName	MultiDescription	Trade Item Description. Language Specific Brand Name. Multi-language Description	The recognisable name used by a brand owner to uniquely identify a line of trade item or services expressed in a different language than the primary brand name (brandName).	0..1	{ref6}	Min1 Max 70
		languageSpecificSubBrandName	MultiDescription	Trade Item Description. Language Specific Sub-brand Name. Multi-language Description	A second level of brand expressed in a different language than the primary sub-brand name (subBrand).	0..1	{ref6}	Min1 Max 70
		tradeItemGroupIdentificationDescription	MultiDescription	Trade Item Description. Group. Multi-language Description	The text description of the value represented by the trade itemGroupIDCode.	0..1	{ref1}	Min 1 Max 35
		variant	MultiDescription	Trade Item Description. Variant. Multi-language Description	Free text field used to identify the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavour, fragrance, taste. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	0..*	{ref1}	Min 1 Max 35

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	TradeItemDescription	Trade Item Description. Association.Trade Item Description	<p>An understandable and useable description of a trade item using brand and other descriptors.</p> <p>This attribute is filled with as little abbreviation as possible while keeping to a reasonable length.</p> <p>Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code. Field length is 178 characters.</p> <p>This should be a meaningful description of the trade item with full spelling to facilitate message processing. Retailers can use this description as the base to fully understand the brand, flavour, scent etc. of the specific GTIN in order to accurately create a product description as needed for their internal systems.</p> <p>Examples:</p> <p>GS1 Brand Base Invisible Solid Deodorant AP Stick Spring Breeze</p> <p>GS1 Brand Laundry Detergent Liquid Compact Regular Instant Stain 1</p> <p>GS1 Brand Hair Colour Liquid Light to Medium Blonde</p>	0..*	{ref1}	Min 1 Max 178
		None	TradeItemExternalInformation	Trade Item Description. Association.Trade Item Description	Information on a external files related to the trade item.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	AdditionalTradeItemDescription	Trade Item Description. Association. Additional_Trade Item Description	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Colour, and Fragrance. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-350, as defined in the Trade Item BRD.	0..*	{ref1}	Min1 Max 350
TradeItemDocument				Trade Item Alignment. Details	!! This is the root class of the Trade Item Message.		{ref1}	
		None	Document	Trade Item Alignment. Inheritance_Association. Electronic_Document	None	1..1	{ref1}	
		tradeItemDocumentIdentification	EntityIdentification	Trade Item Alignment. Association. Entity Identification	!! This is a role from the TradeItemDocument root class. The destination class is EntityIdentification.	1..1	{ref1}	
		None	TradeItem	Trade Item Alignment. Association. Trade Item	None	1..1	{ref1}	
TradeItemIdentification				Trade Item Identification. Details	None		{ref1}	
	globalTradeItemNumber			Trade Item Identification. Primary_Identification. GTIN_Identifier	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	1..1	{ref1}	
		None	AdditionalTradeItemIdentification	Trade Item Identification. Additional. Non GTIN_ Trade Item Identification	A trade item identifier, usually associated with a specific business need, that is in addition to the GTIN, for example, a buyer's, or seller's item number. The additional identification should be associated with a specific business need.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
TradeItemExternalInformation				Trade Item External Information. Details	Links to external files that contain additional information about the trade item.		{ref4}	
	typeOfInformation			Trade Item External Information. Type Of Information. Trade Item External Information_Code	Code identifying the purpose of the information contained in the external file. Example: Image of product label, marketing information, planogram.	1..1	{ref4}	
		inheritance	ExternalFileLink	Trade Item External Information. Inheritance. External File Link	External file link details for trade item external information.	1..1	{ref4}	
TradeItemInformation				Trade Item Information Group. Details	This class is part of the Trade Item Class.		{ref1}	
	brandDistributionType			Trade Item Information Group. Brand Distribution Type. Text	Any restrictions imposed on the Trade Item on how it can be sold to the consumer.	0..1	{ref6}	Min 1 Max 35
	builtInProductType			Trade Item Information Group. Built In Product Type. Text	The type of product that the trade item is combined with for example a VCR in the case that a television is combined with a VCR.	0..*	{ref6}	Min 1 Max 70
	tradeItemTradeChannel			Trade Item Information Group. Trade Item Trade Channel. Trade Channel_Code	A grouping of entities by common business model concentration used to define the distribution or marketing segmentation of products, customers and geographic areas into common groups that are supplied, serviced and measured in similar ways.	0..*	{ref5}	
		None	AllowanceCharge	Trade Item Information Group. Association. Allowance Charge	!! This is a reusable class referenced in the Item BRD as part of the Trade Item Information class.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		classificationCategoryCode	GDSNTradeItemClassification	Trade Item Information Group. Classification Category Code Association. GDSN_Product Classification	Identifies a category in the GPC and other product classifications.	0..1	{ref1}	
		informationProviderOfTradeItem	InformationProvider	Trade Item Information Group. Association. Information Provider_Party	The GLN and additional identification(s) that identify the party providing the information about the trade item.	1..1	{ref1}	
		None	PaymentTerms	Trade Item Information Group. Association. Payment Terms	!! This is a reusable class referenced in the Item BRD as part of the Trade Item Information class.	0..*	{ref1}	
		None	TargetMarketInformation	Trade Item Information Group. Association. Named_ Target Market	None	0..*	{ref1}	
		None	TradeItemContactInformation	Trade Item Information Group. Association. Trade Item Contact Information	Contact information for a Trade Item.	0..*	{ref6}	
		None	TradeItemDescriptionInformation	Trade Item Information Group. Association. Trade Item Description	None	1..1	{ref1}	
		None	TradingPartnerNeutralTradeItemInformation	Trade Item Information Group. Association. Trading Partner Neutral_ Trade Item	None	1..1	{ref1}	

## Trading Partner Neutral Trade Item Information

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
BrandOwnerOfTradeItem				Brand Owner_Party. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class		{ref1}	
	nameOfBrandOwner			Brand Owner_Party. Name. Text	Name of the party who owns the brand of the trade item. Mandatory when brandOwner Party identification is provided.	1..1	{ref1}	
		brandOwner	PartyIdentification	Brand Owner_Party. Association. Party Identification	Unique location number identifying the brand owner. May or may not be the same entity as the information provider, which actually enters and maintains data in data pools.	1..1	{ref1}	
DangerousSubstanceInformation				Dangerous Substance. Detail	Details on substances that can harm people, other living organisms, property, or the environment.			
	dangerousSubstanceHeatOfCombustion			Dangerous Substance. Dangerous Substance Heat Of Combustion. Measure	The amount of heat generated by the item should it catch on fire expressed as amount of energy per pound for example BTU's (British Thermal Units) per pound.	0..1	{ref6}	
	dangerousSubstanceName			Dangerous Substance. Dangerous Substance Name. Text	The name of the type of dangerous substance contained in the trade item for example Butane.	0..1	{ref6}	Min 1 Max 70

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	dangerousSubstanceGasDensity			Dangerous Substance. Dangerous Substance Gas Density. Measure	The density of gas contained within the trade item. This can be used by the data receiver to determine the total stored amounts of gas within a storage facility in accordance with dangerous substance regulations. Use appropriate measurement for example in Europe (grams per Cubic Centimetre).	0..1	{ref6}	
	dangerousSubstanceWaterSolubilityCode			Dangerous Substance. Dangerous Substances Water Solubility. Text	A code indicating the solubility or miscibility in respect with water. Solubility is the ability of a given substance to dissolve in a solvent. Miscibility is the property of liquids to mix in all proportions, forming a homogeneous solution.	0..1	{ref6}	Min 1 Max 35
	isDangerousSubstance			Dangerous Substance. Dangerous Substance Indicator. Nonbinary Logic_Code	An indicator whether or not a trade item is classified and labelled as containing a dangerous substance.	0..1	{ref6}	
		None	DangerousSubstance	Dangerous Substance. Association. Dangerous Substance Group	Dangerous Substance Information for a Dangerous Substance	0..*	{ref6}	
		dangerousSubstancesWasteCode	ExternalCodeValueInformation	Dangerous Substance. Dangerous Substances Waste Code. External	The dangerous substances waste code used to identify the substance's dangerous waste for example the European Waste Catalogue.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Code Value Information				
		riskPhraseCode	ExternalCodeValueInformation	Dangerous Substance. Risk Phrase Code.External Code Value Information	The abbreviation codes for labelling obligations and special risks (health risks of skin, respiratory organs, swallow, eyes, reproduction) for handling of the substance.	0..*	{ref6}	
		waterHazardCode	ExternalCodeValueInformation	Dangerous Substance. Water Hazard Code.External Code Value Information	A code determining the degree to which the product would pose an environmental hazard to water.	0..1	{ref6}	
DangerousSubstance				Dangerous Substance.Detail	Dangerous substance details for a Trade Item per phase of matter.		{ref6}	
	dangerousSubstancePhaseOfMatter			Dangerous Substance. Phase Of Matter. Text	A set of qualitatively different states, depending on temperature and pressure related physical properties. They are divided into solid, liquid, gaseous and mixed forms of the substance.	0..1	{ref6}	Min 1 Max 70
		None	FlammableSubstanceInformation	Dangerous Substance.Association.Flammable Substance	Flammable substance information for a dangerous substance.	0..1	{ref6}	
DangerousGoodsTechnicalName				Dangerous Goods Technical Name. Details	Provides the dangerous goods technical information.		{ref1}	
	text			Dangerous Goods	The dangerous goods technical name represented in textual	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Technical Name. Text. {1..200}_Text	format.			
DangerousGoodsHazardLabel				Dangerous Goods Hazard Label. Details	Information on visible labels on packaging indicating specific risks and required precautions associated with a dangerous good.		{ref6}	
	dangerousGoodsHazardLabelNumber			Dangerous Goods Hazard Label. Dangerous Goods Hazardous Label Number. Text	A visible number indicating the specific risk and thus the required precautions associated with a dangerous good for example, the indication of the hazardous label number according to chapter 3.2, table A of the ADR.	1..1	{ref6}	Min 1 Max 35
	dangerousGoodsHazardLabelSequenceNumber			Dangerous Goods Hazard Label. Dangerous Goods Hazard Label Sequence Number. Integer_Numeric	A sequence number indicating the primacy of one dangerous goods label number over another. For example, a value of 1 would indicate that the associated hazard label number is the primary, 2 = secondary, etc.	1..1	{ref6}	
ElectricalUsage				Electrical Usage. Details	Information on the amount of electricity used for a trade item.			
	maximumEnergyUsage			Electrical Usage. Maximum Energy Usage. Measurement	The maximum amount of energy used by a device powered by electricity.	1..1	{ref5}	
	maximumEnergyUsage			Electrical Usage.	The time period (e.g. hours,	1..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	geTimePeriod			Maximum Energy Usage Time Period. Time_Measurement	days, years) associated with the maximum energy usage amount.			
	runMode			Electrical Usage. Run Mode. Run Mode_Code	The functional mode of an electrical device for example On, Sleep, Standby). Run modes are defined by various guidelines for example the energy star guideline.	1..1	{ref5}	
ElectricalUsageTradeItemClassification				Electrical Usage Trade Item Classification. Details	A trade item classification used to drive requirements for information for trade items which use electricity.		{ref5}	
	electricalUsageTradeItemClassificationAgency			Electrical Usage Trade Item Classification. Electrical Usage Trade Item Classification Agency. Text	A classification agency or organisation whose product classification scheme is being provided to drive required information for electrical usage.	0..1	{ref5}	Min 1 Max 35
	electricalUsageTradeItemClassificationCode			Electrical Usage Trade Item Classification. Electrical Usage Trade Item Classification Code. Text	A classification code value from a product classification scheme provided to drive required information for electrical usage.	0..1	{ref5}	Min 1 Max 35
	electricalUsageTradeItemClassificationName			Electrical Usage Trade Item	A classification name from a product classification scheme provided to drive required	0..1	{ref5}	Min 1 Max 70

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Classification. Electrical Usage Trade Item Classification Name.Text	information for electrical usage.			
		None	ElectricalUsageTradeItemSubclassification	Electrical Usage Trade Item Classification. Association. Electrical Usage Trade Item Subclassification	An electrical usage trade item sub-classification provided for an electrical usage trade item classification.	0..1	{ref5}	
ElectricalUsageTradeItemSubclassification				Electrical Usage Trade Item Subclassification.Details	Provides a further refinement of Electrical Usage Trade Item Classification used to drive requirements for information for trade items which use electricity.		{ref5}	
	electricalUsageSubclassificationCode			Electrical Usage Trade Item Subclassification. Electrical Usage Subclassification Code.Text	A sub-classification code value from a product classification scheme provided to drive required information for electrical usage.	0..1	{ref5}	Min 1 Max 35
	electricalUsageSubclassificationName			Electrical Usage Trade Item Subclassification. Electrical Usage Subclassification Name.Text	A sub-classification name provided to drive required information for electrical usage.	0..1	{ref5}	Min 1 Max 70

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
FlammableSubstanceInformation				Flammable Substance.Details	Flammable Substance Information for a dangerous substance.		{ref6}	
	flammableSubstanceMaximumPercent			Flammable Substance.Flammable Substance.Maximum.Percent_Numeric	The maximum percentage of the flammable substance contained in the trade item. This can be used by the data receiver to support determining total stored amounts within a storage facility in accordance with dangerous substance regulations.	0..1	{ref6}	
	flammableSubstanceMinimumPercent			Flammable Substance.Flammable Substance.Minimum.Percent_Numeric	The minimum percentage of the flammable substance contained in the trade item. This can be used by the data receiver to support determining total stored amounts within a storage facility in accordance with dangerous substance regulations.	0..1	{ref6}	
HazardousInformationDetails				Hazardous Item Description Group.Details	Provides the details of hazardous information.		{ref1}	
	classOfDangerousGoods			Hazardous Item Description Group.Hazardous Goods.Class.Identifier	Dangerous goods classification of the trade item. There are 9 danger classes, some classes are further subdivided into subclasses. "Class" number explains in general terms the nature and properties of the goods and serves to classify them together in terms of their most significant risk.	0..*	{ref1}	
	dangerousGoodsAMarginNumber			Hazardous Item	Information, whether for the base trade item or further packaging	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Description Group. Hazardous Goods_ A Margin Number. Identifier	trade item a dangerous goods a-margin number does exist in the European dangerous goods agreements (and in the respective national dangerous goods legislation), thus facilitations for the transport of defined limited quantity by road or rail are possible or not. If they are possible, they must be indicated, whether they are used by the data supplier.			
	dangerousGoodsClassificationCode			Hazardous Item Description Group. Dangerous Goods Classification. Text	A classification code of the trade item (dangerous goods) for transport by road and rail for example ADR/RID. It indicates the dangerous characteristics respectively the subsections of the trade item within a given classification.	0..1	{ref6}	Min 1 Max 70
	dangerousGoodsHazardousCode			Hazardous Item Description Group. Hazardous Goods_ Hazard. Identifier	Dangerous goods hazard ID number, which must be applied to the vehicle, when transporting this trade item (dangerous good) by road or rail, to inform the police, the fire brigade and others in case of an accident about the kind of danger caused by the cargo.	0..*	{ref1}	
	dangerousGoodsPackingGroup			Hazardous Item Description Group. Hazardous Goods_ Packing Group. Identifier	Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	dangerousGoodsShippingName			Hazardous Item Description Group. Hazardous Goods_ Name. Identifier	Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names.	0..*	{ref1}	
	dangerousGoodsSpecialProvisions			Hazardous Item Description Group. Dangerous Goods Special Provisions. Text	A numeric code of special regulations to be met regarding a Dangerous Goods Classification Regulation. For example ADR 2005 provides additional information for identifying the substances or items (s. 3.2.1 ADR 2005). Special provisions can include transport restrictions, exemptions from regulation, explanations on the classifying of certain forms of the dangerous goods in question as well as additional marking and labelling requirements.	0..*	{ref6}	Min 1 Max 70
	netMassOfExplosives			Hazardous Item Description Group. Net Mass Of Explosives. Measure	The measurement of the net explosive mass of the trade item (dangerous goods) for transport by road and rail according to a dangerous goods classification regulation.	0..1	{ref6}	
	unitedNationsDangerousGoodsNumber			Hazardous Item Description Group. United Nations_ Class . Identifier	The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	DangerousGoods TechnicalName	Hazardous Item Description Group. Association. Dangerous Goods Technical Name	Provides the dangerous goods technical name.	0..*	{ref1}	
		None	DangerousGoods HazardLabel	Hazardous Item Description Group. Association. Dangerous Goods Hazard Label	Dangerous goods hazard label information for hazardous information.	0..*	{ref6}	
ManufacturerOfTradeItem				Manufacturer _ Party. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class		{ref1}	
	nameOfManufacturer			Manufacturer _ Party. Name. Text	Descriptive name of the manufacturer of the trade item.	0..1	{ref1}	
		manufacturer	PartyIdentification	Manufacturer _ Party. Association. Party Identification	None	1..1	{ref1}	
		manufacturingPlantIdentification	PartyIdentification	Manufacturer _ Party. Manufacturing Plant. Party Identification	The identification of manufacturing plants associated with a trade item manufacturer.	0..*	{ref6}	
ManufacturerTakeBackProgram				Manufacturer Take Back Program. Details	Details on any take back program offered to consumers for the product to be reused, remanufactured or recycled by the manufacturer.		{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	doesManufacturerHaveTakeBackProgram			Manufacturer Take Back Program. Manufacturer Take Back Program. NonBinaryLogic_Code	Indicates if the manufacturer of the trade item offers any take back programs to consumers for the product to be reused, remanufactured or recycled by the manufacturer.	0..1	{ref5}	
		manufacturerTakeBackProgramFee	MultiAmount	Manufacturer Take Back Program. Manufacturer Take Back Program Fee. MultiAmount	The fee the consumer must pay the manufacturer to take back the product.	0..1	{ref5}	
MarketingInformation				Trade Item_Marketing_Details	Not Available		{ref2}	
	campaignEndDate			Trade Item_Marketing_End_Campaign Date Time. Date Time	The date suggested by the supplier for the campaign to end. It indicates the end of a marketing campaign.	0..1	{ref2}	
	campaignName			Trade Item_Marketing_Campaign_Name. Language_Text	Name of the sales or marketing campaign, for which the textile trade item is intended. Input of user-defined text in order to assign the item to a specific marketing campaign.	0..1	{ref2}	Min 1 Max 70
	campaignStartDate			Trade Item_Marketing_Start_Campaign Date Time. Date Time	The date suggested by the supplier for the campaign to start. It indicates the beginning of a marketing campaign.	0..1	{ref2}	
	specialItemCode			Trade Item_Marketing_Special Item	This element identifies specific items for promotional or special tracking purposes.	0..*	{ref2}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Code. Special Item Code Code				
	tradeItemFeatureBenefit			Trade Item_Marketing. Feature_Benefit. Language_Text	Element for consumer facing marketing content to describe the key features or benefits of the style suitable for display purposes.	0..*	{ref2}	Min 1 Max 70
	TradeItemFeatureCode			Trade Item_Marketing. Trade Item Feature Code. Text	A code depicting a distinctive functionality offered as a special attraction to the trade item for example BUILT_IN_ALARM_CLOCK.	0..*	{ref6}	Min 1 Max 70
	tradeItemIncludedAccessories			Trade Item_Marketing.Included Accessories. an1000_ Language_Text	Any included object or device not part of the core product itself but which adds to its functionality or use.	0..*	{ref6}	Min 1 Max 1000
	tradeItemMarketingMessage			Trade Item_Marketing. Marketing_Message. an1000_ Language_Text	Marketing message associated to the Trade item.	0..1	{ref2}	Min 1 Max 1000
		illegalToAdvertiseTargetMarket	TargetMarket	Trade Item_Marketing. Illegal To Advertise Target Market. Target Market	The target market where it is prohibited by law to advertise a trade item. An example of this is France where laxatives are illegal to advertise.	0..*	{ref6}	
			TradeItemGradeInformation	Trade Item_Marketing. Association. Trade Item	An indication of the degree of refinement, features, or capabilities for a trade item for example the quality grade of a	0..*	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Grade Information	ceramic tile.			
MaterialComposition				Product_Material Composition. Details	None		{ref2}	
	materialAgencyCode			Product_Material Composition. Material_Agency. Material_Agency Code_ Code	This element indicates the agency that is maintaining the Trade Item Material codes. This may include a specific code list.	0..1	{ref2}	
	materialContent			Product_Material Composition. Material Content_ Description. Text	This element is used to indicate the material composition. This element is used in con-junction with the percentage.	0..1	{ref2}	Min 1 Max 70
	materialPercentage			Product_Material Composition. Material_Percentage. Percent_ Numeric	Net weight percentage of a product material of the first main material. The percent-ages must add up to 100.	0..1	{ref2}	
		materialCode	MultiDescription	Product_Material Composition. materialCode _ Association. Multi-language Description	This element indicates the product material code that gives the composition of the trade item's first main material up to six material short codes that can be given in descending order of their respective percentages.	0..1	{ref2}	
MaterialSafetyData				Material Safety Data Sheet. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref2}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	materialSafetyDataSheetNumber			Material Safety Data Sheet. Identification. Identifier	!! Manufacturer's identification number for the material safety data sheet for a trade item. This attribute is mandatory if the Material Safety Data Sheet attribute is "Y".	1..1	{ref2}	
NonPackagedSizeDimension				Apparel_Home Fashions_Product Size Group. Details	None		{ref2}	
	descriptiveSizeDimension			Apparel_Home Fashions_Product Size Group. Choice_Dimension_Description. Text	The textual representation of the size dimension specified by the size type.	1..1	{ref2}	Min 1 Max 70
	sizeDimension			Apparel_Home Fashions_Product Size Group. Choice_Size_Dimension. Measure	The numerical size measurement of the size dimension specified by the size type.	1..1	{ref2}	
	sizeSystem			Apparel_Home Fashions_Product Size Group. Size_System. Size System Code_Code	This is the system that is being used to define the size. It is used in conjunction with size group to completely define the size dimension.	0..1	{ref2}	
	sizeType			Apparel_Home Fashions_Product Size Group. Size_Type. Size	The type of size dimension being specified by the size measurement.	0..1	{ref2}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Type Code_ Code				
NonPackageTradeItemDimension				Apparel_ Home Fashions_ Product Size. Details	None		{ref2}	
	sizeGroup			Apparel_ Home Fashions_ Product Size. Size_ Group Type. Size Group Code_ Code	A description of the variable size that is necessary to uniquely specify the size of the item in conjunction with the non-packaged size dimension.	0..1	{ref2}	
		None	NonPackagedSize Dimension	Apparel_ Home Fashions_ Product Size. Association. Apparel_ Home Fashions_ Product Size Group	None	1..*	{ref2}	
OrderingAndSellingUnitOf Measure				Ordering_ Selling_ Trade Item Unit Information. Details	None		{ref3}	
	orderingUnitOfMeasure			Ordering_ Selling_ Trade Item Unit Information. Ordering_ Transaction Unit Of Measure.	The alternate Unit of Measure of how Trade Items are ordered by the Retailer under one Unit of Measure, but sold under another Unit of Measure.	0..1	{ref3}	Min 1 Max 70

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Text				
	sellingUnitOfMeasure			Ordering_ Selling_ Trade Item Unit Information. Selling_ Transaction Unit Of Measure. Text	Describes the measurement used for selling unit of the Trade Item to the end consumer. A Trade Item may have only one Unit of Measure.	0..1	{ref3}	Min 1 Max 70
OrganicTradeItemCharacteristics				Organic_ Trade Item. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	organicClaimAgency			Organic_ Trade Item. Claim_ Agency Name. Text	A Governing body that creates and maintains standards related to organic products.	1..*	{ref1}	
	organicTradeItemCode			Organic_ Trade Item. Class. Identifier	!! Used to indicate the organic status of a trade item or of one or more of its components.	1..1	{ref1}	
PackagingMarking				Packaging Marking. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	isPackagingMarkedReturnable			Packaging Marking. Returnable_ Marking. Indicator	Trade item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned. Attribute applies to returnable packaging with or without deposit.	1..1	{ref1}	
	isPackagingMarkedWithIngredients			Packaging Marking. Ingredients_ Marking. Indicator	Trade item packaging contains information pertaining to its ingredients. trade item ingredients are required to be shown on the trade item (normally at base trade item	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					level). This is a yes/no (Boolean) where yes equals marked with ingredients.			
	isPriceOnPack			Packaging Marking. Is Price On Pack. Indicator	Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider.	0..1	{ref4}	
	offerOnPack			Packaging Marking. offerOnPack. Text	Contains details of any on pack product offer (consumer or traded).	0..1	{ref1}	
	packageMarksDietAllergen			Trade Item_ Packaging Marking. Diet Allergen_ Marked As. Package Marks Diet Allergen Code List_ Code	Indication of which dietary or allergen marks that are on the package.	0..*	{ref1}	
	packageMarksEnvironment			Trade Item_ Packaging Marking. Environment_ Marked As. package Marks Environment Code List_ Code	Indication of which environmental marks (e.g. recycling schemes) that are on trade item package.	0..*	{ref1}	
	packageMarksEthical			Trade Item_ Packaging Marking. Ethical_ Marked As.	Indication of which ethical trading marks that are on the package.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Package Marks Ethical Code List_ Code				
	packageMarksFreeFrom			Trade Item_ Packaging Marking. Free From_ Marked As. Package Marks Free From Code List_ Code	Indication of which free-from marks are on the package.	0..*	{ref1}	
	packageMarksHygienic			Trade Item_ Packaging Marking. Hygienic_ Marked As. Text	An indication of which hygiene markings are present in the product package. Hygiene markings are defined as those related to packaging conditions or practices intended to the preservation or promotion of health.	0..*	{ref5}	Min 1 Max 35
	packagingMarkedDateFormat			Trade Item_ Packaging Marking. Packaging Marked Date Format. Text	The format that the date is printed on the package for example YYYY: year, YY: year in century, MM: month number, MMM: month short name, DD: day of month, D: day of week (Monday=1), ' ': space and hyphen.	0..1	{ref6}	Min 1 Max 70
	packagingMarkedExpirationDateType			Trade Item_ Packaging Marking. Date Expiration Type_ Marked As. Packaging Marked Expiration Date Code_	Indicates the type of expiration date marked on the packaging.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Code				
	packagingMarkedRecyclableScheme			Trade Item_Packaging Marking. Marked Recyclable Scheme_Description. Text	The package of this GTIN is marked to indicate under which scheme it is recyclable. Applies to recyclable packaging with or without deposit. Examples: Aluminium can be marked as recyclable.	0..1		Min 1 Max 70
	packagingMarkingLanguage			Trade Item_Packaging Marking. Packaging Marking Language. ISO639_Code	The language in which text on the packaging is stated.	0..*	{ref6}	
PackagingMaterial				Packaging Material. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	averageDistanceTravelledToPointOfPackagingCode			Packaging Material. Average Distance Travelled To Point Of Packaging. Text	The average distance each packaging material travelled from the packaging material supplier to the point where the product and packaging are combined to form the trade item.	0..1	{ref6}	Min 1 Max 35
	depositValueEffectiveDate			Packaging Material. Effective_Deposit Value Date. Date Time	First date that the deposit value is valid for the deposit code. CCYYMMDD.	0..1	{ref1}	
	depositValueEndDate			Packaging Material. End_Deposit Value Date. Date Time	Last date that the deposit value in the currency is valid for the deposit code.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	packagingMaterialCode			Packaging Material. Type. Packaging Material_ Code	The code identifying the type of package used as a container of the trade item.	0..1	{ref1}	
	packagingMaterialLaunchDateTime			Packaging Material. Launch. Date Time	The first date that a change in packaging material has occurred. This change does not result in a new GTIN at any level of the item hierarchy, such as, an increase or decrease in packaging material and is delivered to the retailer.	0..1	{ref6}	
	packagingMaterialPerformanceCode			Packaging Material. Performance Code. Text	A status of packaging performance based on testing to minimize damage to Trade Items for example 3 (improved packaging performance).	0..1	{ref6}	Min 1 Max 35
	packagingRefundObligationName			Packaging. Material. Packaging Refund Obligation Name. Text	The refund obligation that the packaging of this item is subject to for example the DPG = Deutsche Pfandsystem GmbH which is a refund obligation for one way beverage packaging for beer, sparkling soft drinks and mineral water.	0..1		Min 1 Max 200
	packagingRefuseObligationName			Packaging. Material. Packaging Refuse Obligation Name. Text	The name of the specific refuse obligation that may apply to packaging or that the packaging may be exempt from for example ARA.	0..1		Min 1 Max 200
	packagingTermsAndCondition			Packaging Material. Terms And Conditions. Text	Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable.	0..1	{ref1}	Min 1 Max 3
	returnableAssetCapa			Packaging.	A measurement of the potential	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	cityContent			Material. Returnable Asset Capacity Content. Measure	capacity of a returnable asset for example how many bottles can fit into a crate. This is not the content for the full packaging but rather how much the packaging can contain.			
	returnableAssetsContainedQuantity			Packaging. Material. Returnable Assets Contained Quantity. Quantity	The number of returnable assets contained that are allocated to the full returnable item identified by the GTIN of the returnable asset. An example would be 6 bottles of beer in a six pack (Trade Item).	0..1	{ref6}	
	returnablePackageDepositAmount			Packaging Material. Returnable Package_Deposit_Amount. Amount	The monetary amount for the individual returnable package.	0..1	{ref1}	
	returnablePackageDepositCode			Packaging Material. Returnable Package_Deposit Code. Text	In some markets the deposit information is specified by a GTIN giving the type of returnable package on which a deposit is charged. Each deposit code is associated with an amount specified elsewhere. The enumeration list is maintained externally.	0..1	{ref1}	Min 1 Max 14
	packagingMaterialCodeListMaintenanceAgency			Packaging Material. Code List Maintenance Agency. Text	The agency or agencies controlling the packaging code lists of each country.	0..1	{ref1}	Min 1 Max 35
		packagingMaterialDescription	MultiDescription	Packaging Material. Description. Multi-language Description	The system generated text description equivalent of the packaging material code. The schema uses common library component as shown in the GDD Max Size field. For the business	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.			
		packagingMaterialCompositionQuantity	MultiMeasurementValue	Packaging Material. Composition Quantity. Multi-unit Measure	The quantity of the packaging of the trade item. Can be weight, volume or surface, can vary by country.	0..1	{ref1}	
		returnablePackageDepositRegion	TargetMarket	Packaging Material. Returnable Package Deposit Region. Target Market	The geographic region associated with the returnable package deposit amount.	0..*	{ref6}	
PackagingType				Packaging. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	isPackagingExemptFromRefuseObligation			Packaging. Type. Exempt From Refuse Obligation. No n Binary Logic_Code	An indication for the packaging of this item that there exists an exemption from refuse (disposal) obligations.	0..1		
	packagingFunction			Packaging. Type. Packaging Function. Text	A code that is used to identify specific functionality for packaging resulting from specific processes or features present in the packaging type. These additional functionalities are not dependant on the packaging type and maybe applied to multiple different types.	0..*	{ref6}	Min 1 Max 35
	packagingTypeCode			Packaging. Type. Packaging Type_Code	The code identifying the type of package used as a container of the trade item.	1..1	{ref1}	Min 1 Max 3

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	packagingTypeDescription			Packaging. Description. Text	System generated text description of the type of packaging used for the trade item.	0..1	{ref1}	Min 1 Max 70
	packagingWeight			Packaging. Type. Packaging_Weight. Measure	Used to identify the measurement of the packaging weight of the trade item.	0..1	{ref4}	
	usableProductVolume			Packaging. Type. Packaging Usable Product Volume. Measure	The cubic space occupied by the product excluding the packaging. This is measured as the smallest theoretical space the product will fit into. For example: Liquid - a 12 fluid ounce soda has a product volume of 12 fluid ounces or 21.7 cubic inches within the can. Solids by count- a 50ct bottle of tablets (where 1000 tablets requires 1000 cubic centimetre has a product volume of 50 cubic centimetres or 3.1cubic inches, Solids by weight-a 5kg bag of sugar (with a bulk density of .849 g/cubic centimetres has a product volume of 5.889 cubic centimetres or 359.4 cubic inches.	0..1	{ref6}	
PegMeasurements				Peg Location. Details	This class enables the description of multiple peg holes and their locations for a trade item.		{ref1}	
	pegHoleNumber			Peg Location. Location_ Number. Numeric	Used to indicate the peg hole numbers when more than one hole is present in the product or packaging. Peg holes should be numbered from the upper left corner of the front of the package to the bottom right corner.	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	pegHoleType			Peg Location. Peg Hole Type. Text	A code depicting the type and shape of the peg hole used for the packaging.	0..1	{ref6}	Min 1 Max 35
		pegHorizontal	MultiMeasurement Value	Peg Location. Peg_ Horizontal. Multi-unit Measure	Used to indicate the horizontal distance from the left edge of the trade item to the centre of the hole into which the peg is inserted when the trade item is displayed on a pegboard. Example: "2 INH." Required if the trade item is displayed on a peg board.	1..1	{ref1}	
		pegVertical	MultiMeasurement Value	Peg Location. Peg_ Vertical. Multi-unit Measure	Used to indicate the vertical distance of a peg hole measured from the bottom edge of the trade item to the top of the peg hole. Peg holes are inserted when the trade item is displayed on a pegboard. Example: "2 INH." Information is required if the trade item is displayed on a peg board.	1..1	{ref1}	
PriceOnTradeItem				Price_ Packaging Marking. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class		{ref1}	
		None	retailPriceOnTradeItem	Price_ Packaging Marking. Association. Trade Item Retail Price	!! The retail price as marked on the trade item package. This field is dependent on a value of "yes" for field isPriceOnPack.	1..1	{ref1}	
PrivateInformation				Private Data Recipient_ Party. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class		{ref1}	
		partyReceivingPrivateData	PartyIdentification	Private Data Recipient_ Party. Association.	None	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Party Identification				
Season				Trade Item_Season.Details	None		{ref2}	
	isTradeItemSeasonal			Trade Item_Season.Seasonal Indicator.Non binary Logic_Code	An indicator whether or not the trade item is only offered during certain parts of the year or targeted to different seasons.	0..1	{ref6}	
	seasonalAvailabilityEndDate			Trade Item_Season.Seasonal_End_Availability Date.CCYYMMDDhhmm_Date Time	Indicates the end date of the trade item's seasonal availability.	0..1	{ref2}	
	seasonalAvailabilityStartDate			Trade Item_Season.Seasonal_Start_Availability Date.CCYYMMDDhhmm_Date Time	Indicates the start date of the trade item's seasonal availability.	0..1	{ref2}	
	seasonCalendarYear			Trade Item_Season.Season_Calendar Year.Text	This element indicates the calendar year in which the trade item is seasonally available.	0..*	{ref2}	
	seasonName			Trade Item_Season.Season_Name_Description.Text	Element defines the season applicable to the item.	0..*	{ref2}	Min 1 Max 70
	seasonParameter			Trade Item_	Indication of the season, in which	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Season. Season_ Parameter. Season Parameter Code_ Code	the trade item is available, i.e. assignment to one of the following collection periods: spring/summer, autumn/ winter or all year around.			
SecurityTagInformation				Security Tag. Details	Not Available		{ref1}	
	securityTagLocation			Security Tag. Tag_ Location. Security Tag Location Code Type_ Code	This is a code to indicate where the EAS tag is located on the Trade Item. Values include On outside of Trade Item, Concealed inside Trade Item, Integrated Inside Trade Item.	0..1	{ref2}	
	securityTagType			Security Tag. Security_ Tag Type. Security Tag Type Code_ Code	This is a code to indicate the type of EAS tag located on the Trade Item. Values include Acousto-Magnetic, Electro-Magnetic, Ink or dye, Microwave, Radio Frequency.	0..1	{ref2}	
ShipFromLocation				Ship From Location. Details	A location from which the trade item may be shipped, or picked up by the retailer.		{ref4}	
	ShipFromLocationIdentification			Ship From Location. Ship From Location Identification. GLN_Identifier	The GLN identifier of a location from which the trade item may be shipped, or picked up by the retailer.	1..1	{ref4}	
	ShipFromLocationName			Ship From Location Ship From Location Name. Text	The name of a location from which the trade item may be shipped, or picked up by the retailer.	0..1	{ref4}	Min 1 Max 200
TaxAgency				Tax Agency. Details	A logical grouping of information detailing the tax, fee or duty and managing agency.		{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	taxApplicabilityCode			Tax Agency. Tax Applicability Code. Text	Depicts the applicability of the tax rate or amount for a trade item for example zero, low or exempt.	0..1	{ref5}	Min 1 Max 35
	taxAgencyCode			Tax Agency. Tax Agency Code. Text	Identifies the agency responsible for the tax, Fee, or Duty code list. For example, X1 = BE, ICODIF/EAN Belgium - Luxembourg.	1..1	{ref1}	Min 1 Max 14
	taxAgencyName			Tax Agency. Tax Agency Name. Text	The name of the agency associated with a type of duty or tax or fee applicable to the trade item expressed.	0..1	{ref6}	Min 1 Max 200
	taxExemptPartyRole			Tax Agency. Tax Exempt Party Role. Party Role_Code	The party role (e.g. CONSUMER) that is exempt from a specific tax, duty or fee.	0..*	{ref6}	
	taxLevyBasis			Tax Agency. Tax Levy Basis. Measure	This is defined as a taxation basis for a corresponding levying type and class for example for a steel tax on an item with a screw cap weighing "3" grams, the tax basis would be 3 grams.	0..*		
	taxReductionCriteria Description			Tax Agency. Tax Reduction Criteria. Language_Text	The conditions under which a supplier is entitled to a particular tax reduction.	0..1	{ref6}	Min 1 Max 200
	taxTypeCode			Tax Agency. Tax Type Code. Text	Identification of the type of duty or tax or fee applicable to the trade item. This will vary by target market.	1..1	{ref1}	
	taxTypeDescription			Tax Agency. Tax Type Description.	Automatically generated text description of tax type code. For example, "Taxes sure les	0..1	{ref1}	Min 1 Max 35

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Text	supports audio".			
	taxTypeEffectiveEndDateTime			Tax Agency. Tax Type Effective End Date Time. Date Time	The effective date on which the tax, fee or duty must end being collected.	0..1	{ref6}	
	taxTypeEffectiveStartDateTime			Tax Agency. Tax Type Effective Start Date Time. Date Time	The effective date on which the tax, fee or duty must start being collected.	0..1	{ref6}	
TargetConsumer				Trade Item_ Target Consumer. Details	None		{ref1}	
	targetConsumerAge			Trade Item_ Target Consumer. Consumer Age_ Description. Text	Identifies the target consumer age range for which a trade item has been designed.	0..1	{ref1}	Min 1 Max 70
	targetConsumerGender			Trade Item_ Target Consumer. Target Consumer_ Gender Code. Target Consumer Gender Code_ Code	Identifies the target consumer gender for which a product has been designed.	0..1	{ref1}	
TradeItemColorDescription				Trade Item Colour. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	colorCodeListAgency			Trade Item Colour. Colour Code_ Agency. Text	The parties controlling the colour code lists. Dependent on colour code value. If colour code is indicated, colorCodeListAgency	1..1	{ref1}	Min 1 Max 3

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					is required.			
	colorCodeValue			Trade Item Colour. Code. Colour_ Code	The code list required to identify the colour of the trade item. No ISO standards exist. Each industry needs to determine which code agency is will use.	1..1	{ref1}	Min 1 Max 20
		colorDescription	MultiDescription	Trade Item Colour. Description. Multi-language Description	Free from text. A description text field. This data element is repeatable for each language used and must be associated with a valid ISO language code from the attached table. Sector specific extension. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-70, as defined in the Trade Item BRD.	0..1	{ref1}	
TradeItemCoupon				Trade Item Coupon. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	couponFamilyCode			Trade Item Coupon. Family. Bilateral_ Code	A code assigned by the vendor to a single trade item or to families of consumer trade items that can be used by in store scanners in conjunction with a U.P.C. coupon value code for coupon value discount when the proper trade item has been purchased.	1..1	{ref1}	Min 1 Max 3
TradeItemDateInformation				Trade Item Date Group. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	canceledDate			Trade Item Date Group. Cancelled_ Date.	Communicates cancellation of the launch of a trade item that was never and will never be manufactured, but may have	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				CCYYMMDD _ Date Time	been presented to buyers. Allows the reuse of the GTIN 12 months after cancellation.			
	communityVisibilityDate teTime			Trade Item Date Group. Community Visibility. CCYYMMDD hhmm_ Date Time	The date from which the neutral trade item information (i.e. not the private information, not relationship-dependent data and not price data) is available to all members of the target data pool, without restriction. Until this date only the data recipients to whom the data source has explicitly published the data can have access to the data. By setting this date a data source gives permission for wider publication of the generic item data.	0..1	{ref6}	
	consumerAvailability DateTime			Trade Item Date Group. Consumer Availability_ Date. CCYYMMDD hhmm_ Date Time	The first date/time that the buyer is allowed to sell the trade item to consumers. May be related to geography. ISO 8601 date format CCYY-MM-DDTHH:MM:SS.	0..1	{ref1}	
	discontinuedDate			Trade Item Date Group. Discontinued _ Date. CCYYMMDD _ Date Time	!! Communicate the date on which the trade item is no longer to be manufactured. Allows the reuse of the GTIN after 48 months with the explicit exception of Apparel, being 30 months and the implicit exception for specialty products (e.g., steel beams).	0..1	{ref1}	
	effectiveDate			Trade Item Date Group. Effective_ Date. CCYYMMDD _ Date Time	!! The date on which the information contents of the master data version are valid. Valid = correct or true. This effective date can be used for initial trade item offering, or to	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					mark a change in the information related to an existing trade item. This date would mark when these changes take effect.			
	endAvailabilityDateT ime			Trade Item Date Group. End Availability_ Date. CCYYMMDD hhmm_ Date Time	The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services.	0..1	{ref1}	
	endDateMaximumBu yingQuantity			Trade Item Date Group. Maximum Buying Quantity End_ Date. Date Time	The end date for when the maximum buying quantity is no longer available to the trading partner.	0..1	{ref1}	
	endDateMinimumBuy ingQuantity			Trade Item Date Group. Minimum Buying Quantity End_ Date. Date Time	The end date for when the minimum buying quantity is no longer available to the trading partner	0..1	{ref1}	
	endDateTimeOfExclu sivity			Trade Item Date Group. Exclusivity End_ Date. Date Time	The Date & Time at which a product is no longer exclusive to that trading partner.	0..1	{ref1}	
	firstOrderDate			Trade Item Date Group. First Order_ Date. Date Time	It indicates the earliest date that an order can be placed for the trade item.	0..1	{ref1}	
	firstReturnableDateT ime			Trade Item Date Group.First	The first date on or after which non-sold trade items can be returned. This information	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Returnable Date Time. CCYYMMDD hhmm_ Date Time	provides the retailer with any conditions required by the information provider as to the date on or after which non-sold trade items may be returned in order to receive credit from the appropriate party.			
	firstShipDate			Trade Item Date Group. First Ship_ Date. Date Time	It indicates the earliest date that the trade item can be shipped. This is independent of any specific ship-from location.	0..1	{ref1}	
	lastChangeDateTime			Trade Item Date Group. Last Change_ Date. CCYYMMDD hhmm_ Date Time	!! A system generated value identifying the date and time a record was last updated. This field allows the data pool to control the trade item data version, and allows the information user to determine if trade item data should be downloaded. Date format CCYY-MM-DDTHH:MM:SS.	1..1	{ref1}	
	lastOrderDate			Trade Item Date Group. Last Order_ Date. Date Time	It indicates the latest date that an order can be placed for the trade item.	0..1	{ref1}	
	lastShipDate			Trade Item Date Group. Last Ship_ Date. Date Time	It indicates the latest date that the trade item can be shipped. This is independent of any specific ship-from location.	0..1	{ref1}	
	publicationDate			Trade Item Date Group. Publication_ Date. CCYYMMDD _ Date Time	A date on which all static data associated with the trade item becomes available for viewing and synchronisation.	1..1	{ref1}	
	startAvailabilityDateTi			Trade Item	The date (CCYY-MM-	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	me			Date Group. Start Availability_ Date. CCYYMMDD hhmm_ Date Time	DDTHH:MM:SS) from which the trade item becomes available from the supplier, including seasonal or temporary trade item and services.			
	startDateMaximumBuyingQuantity			Trade Item Date Group. Maximum Buying Quantity Start_ Date. Date Time	The start date for when the maximum buying quantity is available to the trading partner.	0..1	{ref1}	
	startDateMinimumBuyingQuantity			Trade Item Date Group. Minimum Buying Quantity Start_ Date. Date Time	The start date for when the minimum buying quantity is available to the trading partner.	0..1	{ref1}	
TradeItemDisplayDimensions				Trade Item Display Dimensions. Details	Provides display dimensions (height, width, depth) and orientation details for a trade item under various display scenarios.		{ref5}	
	displayDimensionTypeCode			Trade Item Display Dimensions. Display Dimension Type. Text	Depicts certain display scenarios (e.g. Retail Display, Out of package) used for measurement.	1..1	{ref5}	
		displayDimensions	Dimension	Trade Item Display Dimensions. Display Dimensions. Dimension	The dimensions of a trade item under certain display scenarios (Display Dimension Types) when they differ from the standard measurements provided under the Package Measurement Rules.	1..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
TradeItemElectricalUsageInformation				Trade Item Electrical Usage. Details	Details on the usage of electricity for a trade item during various modes of usage.		{ref5}	
	automaticPowerDownDefaultTimePeriod			Trade Item Electrical Usage. Automatic Power Down Default Time Period. Measurement	The default time value that the product will automatically power down for trade item.	0..1	{ref5}	
	electricalUsageAgencyCode			Trade Item Electrical Usage. Electrical Usage Agency Code. Text	The agency that regulates electrical usage for products within a target market. For example Environmental Protection Agency (EPA) in the United States.	0..*	{ref5}	Min 1 Max 35
	isTradeItemAutomaticPowerDownEnabled			Trade Item Electrical Usage. Trade Item Automatic Power Down Enabled. NonbinaryLogic_Code	An indicator whether a product is enabled with auto power down feature when shipped to the customer. Auto power down is a feature that operates similarly to power management features and requires the unit to enter a standby passive mode after a certain pre-set number of hours of user inactivity.	0..1	{ref5}	
		None	ElectricalUsage	Trade Item Electrical Usage. Association. Electrical Usage	Electrical usage details for a trade item.	0..*	{ref5}	
		None	ElectricalUsageTradeItemClassification	Trade Item Electrical Usage. Association.	A trade item classification used to drive requirements for information for trade items which use electricity.	0..1		

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Electrical Usage Trade Item Classification				
		None	TradeItemScreenInformation	Trade Item Electrical Usage. Association. Trade Item Screen	Television or monitor screen details for a trade item.	0..1	{ref5}	
TradeItemEnvironmentalProperties				Trade Item Environmental Properties. Details	Properties of the trade item that can affect the ecological or human environment.		{ref5}	
	doesTradeItemContainShortChainChlorinatedParaffins			Trade Item Environmental Properties. Trade Item Contain Short Chain Chlorinated Paraffins. Nonbinary Logic_Code	Indicate if the trade item and/or its components contain paints, coatings, plastics or other materials containing short chain chlorinated paraffins (SCCPs).	0..1	{ref5}	
	doesTradeItemContainPesticide			Trade Item Environmental Properties. Trade Item Contain Pesticide. Nonbinary Logic_Code	Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism.	0..1	{ref5}	
	doesTradeItemContainPropellant			Trade Item Environmental Properties. Trade Item Contain Propellant. Nonbinary	Indicates if a trade item contains a compressed gas or propellant.	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Logic_Code				
	doesTradeItemContainPolyvinylChloride			Trade Item Environmental Properties. Trade Item Contain Polyvinyl Chloride. Nonbinary Logic_Code	Indicate if product contains Polyvinyl Chloride (PVC), a widely used thermoplastic polymer.	0..1	{ref5}	
	isTradeItemChemicalNotIntendedForHumanConsumption			Trade Item Environmental Properties. Trade Item Chemical Not Intended For Human Consumption. Nonbinary Logic_Code	Indicates that the trade item is or contains a Liquid, Gel, Paste, Powder, or Flammable solid not intended for human consumption (ingested).	0..1	{ref5}	
	renewablePlantBasedPlasticComponentsPercentage			Trade Item Environmental Properties. Renewable Plant Based Plastic Components. Percentage_Numeric	The percentage of the plastic components only made from rapidly renewable plant-based material by net weight of product (excludes packaging).	0..1		
	roHSComplianceFailureMaterial			Trade Item Environmental Properties. ROHS Compliance Failure Material. Text	The material used in the trade item that does not comply with the ROHS Directives. ROHS is the "restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium,	0..*		Min 1 Max 200

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.			
TradeItemFinish				Product Finish. Details	The outer surface/appearance of the product.		{ref1}	
	tradeItemFinishDescription			Product Finish. Finish_Description. Text	Additional Attribute which defines the outer surface/appearance of the product.	0..1	{ref1}	Min 1 Max 70
TradeItemGradeInformation				Trade Item Grade. Details	An indication of the degree of refinement, features, or capabilities for a trade item for example the quality grade of a ceramic tile.			
	gradeCode			Trade Item Grade. Grade Code. Text	A code indicating the degree of refinement, features and capabilities for a trade item for example the quality grade of a ceramic tile.	1..1	{ref8}	Min 1 Max 35
	gradeCodeAgency			Trade Item Grade. Grade Code Agency. Text	An agency that manages a grade code list for example ISO.	0..1	{ref8}	Min 1 Max 70
	gradeCodeListIdentification			Trade Item Grade. Grade Code List Identification. Text	The identification of a code list which includes grades for an item or service for example ISO10545.	0..1	{ref8}	Min 1 Max 70
TradeItemHandlingInformation				Trade Item Handling. Details	Details how the trade item should be handled during shipment, storage and use.		{ref1}	
	clampPressure			Trade Item Handling. Clamp Pressure. Measurement	The pressure that should be applied by a clamp to the packaging around the product.	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	consumerUsageStorageInstructions			Trade Item Handling. consumerUsageStorageInstructions . Description	Expresses in text the consumer storage and usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labelled on the pack. Instructions may refer to a suggested storage temperature, a specific storage requirement or a reference to environment or duration. Examples include: "Refrigerate After Opening", "Consume within 4 days" "Keep Out Of Direct Sunlight", "Store at an Ambient Temperature", "Store in a Clean, Cool, Dry Place", "Store Away From Sunlight, Strong Odours and Chemicals", "Keep in a Clean, Cool, Dry and Odourless Place Away From Direct Sunlight and Freezing Temperatures", "Keep in a Clean, Cool, Dry and Odourless Place Away From Direct Sunlight", "Before opening store at + 5°C+ 30°C", "After Opening Keep Refrigerated (+5°C) and Consume Within 48 hours", "Drink Chilled", "Store in a Cool Dry Place", "Refrigerate After Opening. Can Be Kept in the Fridge For 3 Months".	0..*	{ref4}	Min 1 Max 1000
	handlingInstructionsCodeAgency			Trade Item Handling. Handling Instructions Code Agency. Text	The agency that maintains the handling instructions code.	0..1	{ref6}	Min 1 Min 70
	minimumTradeItemLifespanFromTimeOfArrival			Trade Item Handling.	The period of days, guaranteed by the manufacturer, before the	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	ival			Lifespan. Duration_ Measure	expiration date of the trade item, based on arrival to a mutually agreed to point in the buyers distribution system. Can be repeatable upon use of GLN.			
	minimumTradeItemLifespanFromTimeOfProduction			Trade Item Handling. Minimum From Production Time_Trade Item_Lifespan. Measure	The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production.	0..1	{ref1}	
	openedTradeItemLifeSpan			Trade Item Handling.Opened Trade Item Life Span. Integer_Numeric	The number of days the trade item that had been opened can remain on the shelf and must then be removed.	0..1	{ref1}	
	stackingFactor			Trade Item Handling.Stacking_Factor. Integer_Numeric	A factor that determines the maximum stacking for the product. Indicates the number of levels the product may be stacked.	0..1	{ref1}	
		handlingInstructionsCode	HandlingInstructionsCode	Trade Item Handling.Instruction.Association.Handling Instruction Code	Defines the information and processes needed to safely handle the trade item. Handling instructions is composed of both text and a language code. The language for text is specified using the two digit ISO 639-1988 list, for example, English is EN and French is FR. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please	0..*	{ref1}	Min 1 Max 5

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					use the specific definition of this data type and field, 1-5, as defined in the Trade Item BRD.			
		handlingInstructionsDescription	MultiLongDescription	Trade Item Handling. Handling Instructions Description. Multi-language Description	Information and processes needed to safely handle the trade item. Intended to be sent when handling Instructions Code and agency have not been provided.	0..1	{ref6}	Min 1 Max 1000
		stackingWeightMaximum	MultiMeasurementValue	Trade Item Handling. Stacking Maximum Weight. Multi-unit Measure	The maximum admissible weight that can be stacked on the trade item. This uses a measurement consisting of a unit of measure and a value. This will be used for transport or storage to allow user to know by weight how to stack different trade item one on top of the other.	0..1	{ref1}	
TradeItemHazardousInformation				Hazardous Goods. Details	!! This reusable class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	aDRDangerousGoodsLimitedQuantitiesCode			Hazardous Goods. ADR Dangerous Goods Limited Quantities. Text	A code defined by RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) and ADR (Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route) specifying whether a dangerous good can be packaged in small quantities providing they are packaged and labelled in accordance with certain requirements.	0..1		Min 1 Max 35
	dangerousGoodsRegulationCode			Hazardous Goods.	An indication of the classification system(s) of dangerous goods	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Regulation. Identifier	and/or the Agency(ies) responsible for it.			
	hazardousMaterialAdditionalInformation			Hazardous Goods. Hazardous Materials Additional Information. Language_Text	Additional free text information for the trade item considered for dangerous goods transportation or dispatch information. which may be indicated on transport papers (e.g. ADR Chapter 5.4) or packing details.	0..1	{ref6}	Min 1 Max 1000
		None	HazardousInformationDetail	Hazardous Goods. Association. Hazardous Item Description Group	This information on HazardousInformationDetail for TradeItemHazardousInformation.	0..*	{ref1}	
		flashPointTemperature	MultiMeasurementValue	Hazardous Goods. Flash Point_Temperature. Multi-unit Measure	The lowest temperature at which a substance gives off a sufficient vapour to support combustion. This uses a measurement consisting of a unit of measure and value.	0..1	{ref1}	
TradeItemHierarchy				Trade Item Containment. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	isTradeItemPackedIrregularly			Trade Item Containment. Packed Irregularly. Nonbinary Logic_Code	Indicates that the item is packed in a non-rectilinear pattern such that it is not meaningful to send the number of child trade items in the width/depth/height.	0..1	{ref5}	
	quantityOfCompleteLayersContainedInATradeItem			Trade Item Containment. Complete Layers_Quantity.	The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Quantity				
	quantityOfInnerPack			Trade Item Containment. Number Of Inner Packs_Quantity.	Indicates the number of non-coded physical groupings (innerpacks) of next lower level trade items within the current GTIN level.	0..1	{ref1}	
	quantityOfLayersPerPallet			Trade Item Containment. Layers Per Pallet_Quantity.	The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or retailer preferences.	0..1	{ref1}	
	quantityOfNextLevelTradeItemWithinInnerPack			Trade Item Containment. Items Per Inner Pack_Quantity.	Indicates the number of next lower level trade items contained within the physical non-coded grouping (inner pack).	0..1	{ref1}	
	quantityOfTradeItemsContainedInACompleteLayer			Trade Item Containment. Items Per Complete Layer_Quantity.	The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit.	0..1	{ref1}	
	quantityOfTradeItemsPerPallet			Trade Item Containment. Items Per Pallet_Quantity.	The number of trade items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet according to supplier or retailer preferences.	0..1	{ref1}	
	quantityOfTradeItemsPerPalletLayer			Trade Item Containment. Items Per Pallet Layer_Quantity.	The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					retailer preferences.			
TradeItemImportIdentification				Trade Item_Import Classification. Details	None		{ref3}	
	importClassificationType			Trade Item_Import Classification. Import Classification Type. Import Classification Type Code Code	Imports and exports of trade items typically require classification codes to determine appropriate duties and tariffs. Values include Netherlands Import Code, Harmonized Commodity Description and Coding System, Customs Tariff and INTRASTAT Code, Harmonized Tariff Schedule of the United States, INTRASTAT Combined Nomenclature, Tarif Intégré de la Communauté	0..1	{ref3}	
	importClassificationValue			Trade Item_Import Classification. Import Classification Code. Text	Imports and exports of trade items typically require classification codes to determine appropriate duties and tariffs. Values include Netherlands Import Code, Harmonized Commodity Description and Coding System, Customs Tariff and INTRASTAT Code, Harmonized Tariff Schedule of the United States, INTRASTAT Combined Nomenclature, Tarif Intégré de la Communauté	0..1	{ref3}	Min 1 Max 70
TradeItemMarking				Trade Item Marking. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	hasBatchNumber			Trade Item Marking. Batch Number. Indicator	!! Indication whether the base trade item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					not batch or lot number allocated. A batch or lot number is a manufacturer assigned code used to identify a trade item's trade item on batch or lot. Differs from Serial Number which is a manufacturer assigned code during the trade item on cycle to identify a unique trade item.			
	isNonSoldTradeItemReturnable			Trade Item Marking. Non Sold Returnable. Indicator	!! Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.	0..1	{ref1}	
	isTradeItemMarkedAsRecyclable			Trade Item Marking. Recyclable. Indicator	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	0..1	{ref1}	
TradeItemMaterial				Additional_Product_Material Composition. Details	None		{ref1}	
	materialWeight			Additional_Product_Material Composition. Material_Weight. Measure	The measured weight of the material expressed in ounces per square yard or grams per square meter.	0..1	{ref1}	
	threadCount			Additional_Product_Material Composition.	This element is used to specify the quality of material (fabric) of a trade item.	0..1	{ref1}	Min 1 Max 70

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Thread Count_ Description. Text				
TradeItemMeasurements				Physical_ Trade Item Dimensions. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	casingTareWeight			Physical_ Trade Item Dimensions. Casing Tare Weight. Measure	The weight measurement of the "food casing". A casing for food products is a flexible tubing into which foods are stuffed to provide a skin-tight covering. Used in packaging prepared meats, poultry, cheese, and other food products. Casings may be made of animal intestines or synthetic materials such as regenerated cellulose, various plastics, fibrous compounds, and rubber film. "Tare Weight – food casing" applies to the "each" level.	0..1	{ref4}	
	genericIngredient			Physical_ Trade Item Dimensions. Generic_ Ingredient. Text	Used, for pharmaceutical trade item to describe 1 or many generic ingredients within the trade item.	0..1	{ref1}	
	hasDisplayReadyPackaging			Physical_ Trade Item Dimensions. Display Ready Packaging. Nonbinary Logic_Code	Indicates that the Trade Item has Display Ready Packaging (also referred to as Shelf Ready Packaging or Retail Ready Packaging). Display Ready Packaging can be exhibited on the floor, a shelf or other location. It may or may not require some modification e.g. to raise a flap. If modifications are necessary, the measurements	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					would be advised for the trade item as prepared for display.			
	ingredientStrength			Physical_Trade Item Dimensions. Ingredient Strength. Text	Used for pharmaceutical trade item to define the strength of each ingredient in a trade item or unit volume of the trade item.	0..1	{ref1}	
	isNetContentDeclarationIndicated			Physical_Trade Item Dimensions. Net Content Declaration. Indicator	This field is used to facilitate local business rules where a declaration of a trade item's net content is not on the product label e.g.UK under 50g.legislation.	0..1	{ref1}	
	layerHeight			Physical_Trade Item Dimensions. Layer Height. Measure	This field is used to identify the measurement of height of the layer when trade items are packed with layers.	0..1		
	priceComparisonContent Type			Physical_Trade Item Dimensions. Price Comparison Content Type Code. Price Comparison Content Type Code	Code indicating how the value in Price Comparison Measurement is used to calculate the comparative price, which is printed on shelf labels.	0..1	{ref1}	
	statisticalReportingMeasurement			Physical_Trade Item Dimensions. Statistical Reporting Measurement. Measure	The amount of the trade item net of any packaging (e.g. Box, Spool) provided for statistical reporting purposes. In the EU, the Supplementary Unit of the Intrastat Supplementary Declaration, provided when the Net Mass in Kilograms is not acceptable based on the	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					Commodity Classification for Foreign Trade Statistics. For example, ice cream is reported in net mass so no supplementary unit is required. Carpets are reported in square metres, so the area of carpet of the trade item should be shown in statistical Reporting Measurement in square metres.			
		depth	MultiMeasurement Value	Physical_ Trade Item Dimensions. Depth. Multi-unit Measure	The measurement from front to back of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	1..1	{ref1}	
		diameter	MultiMeasurement Value	Physical_ Trade Item Dimensions. Diameter. Multi-unit Measure	The measurement of the diameter of the trade item at its largest point. For example, 165 "mmt", value - mmt, diameter. Has to be associated with valid UoM.	0..1	{ref1}	
		drainedWeight	MultiMeasurement Value	Physical_ Trade Item Dimensions. Drained_ Weight. Multi-unit Measure	The weight of the trade item when drained of its liquid. For example 225 "grm", Jar of pickles in vinegar. Applies to defined bricks of GCI Global trade item Classification - Mainly food trade item. Has to be associated with a valid UoM.	0..1	{ref1}	Min 1 Max 18
		genericIngredient Strength	MultiMeasurement Value	Physical_ Trade Item Dimensions. Generic_ Ingredient Strength. Multi-unit Measure	Used, for pharmaceutical trade item to define the strength of each generic ingredient in a trade item or unit volume of the trade item. Repeated per generic substance. Needs to be associated with a valid UoM.	0..1	{ref1}	
		grossWeight	MultiMeasurement Value	Physical_	Used to identify the gross weight	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
			Value	Trade Item Dimensions. Gross_Weight. Multi-unit Measure	of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade itemGrossWeight includes the weight of the pallet itself. For example, "200 gm", value - total pounds, total grams, etc. Has to be associated with a valid UoM.			
		height	MultiMeasurement Value	Physical_Trade Item Dimensions. Height. Multi-unit Measure	The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade itemHeight will include the height of the pallet itself. Business Rules: Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	1..1	{ref1}	
		isBasePriceDeclarationRelevant		Physical_Trade Item Dimensions. Is Base Price Declaration Relevant. Nonbinary Logic_Code	An indicator whether this item is mandated to have price comparison information included according to country specific pricing directives.	0..1	{ref6}	
		nestingIncrement	MultiMeasurement Value	Trade Item Handling. Nesting Increment. Multi-unit Measure	Indicates the incremental height of Trade Items nested together. In the case of two garbage cans nested together, this would be the height between the lip of the lower can and the lip on the upper can.	0..*	{ref4}	
		netContent	MultiMeasurement Value	Physical_Trade Item Dimensions.	The amount of the trade item contained by a package, usually as claimed on the label. For	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Net_ Content. Multi-unit Measure	example, "Mineral Water 750ml - net content = "750 ML; 20 count pack of diapers, net content = "20 PCE". hot chocolate 10 – 1oz packets-net content = 10 "OZ" Note: packages that contain product with different types of net contents such as a Halloween costume kit (liquid makeup, powder make up, application sponges) or a travel shaving kit (razor, blades and shaving cream) net content = 1 count "1N" or 1 kit "KT" when individual net contents are listed."			
		netWeight	MultiMeasurement Value	Physical_ Trade Item Dimensions. Net_ Weight. Multi-unit Measure	Used to identify the net weight of the trade item. Net weight applies to all levels but consumer unit level. Net Weight excludes all packaging material, including the packaging material of all lower-level GTINs.  Examples: "11.5 kgm" value - pounds, grams, etc.	0..1	{ref1}	
		priceComparison Measurement	MultiMeasurement Value	Physical_ Trade Item Dimensions. Price_ Comparison Measurement. Multi-unit Measure	The quantity of the product at usage. Applicable for concentrated products and products where the comparison price is calculated based on a measurement other than netContent. This field is dependent on the population of priceComparisonContentType and is required when priceComparisonContentType is used.	0..1	{ref1}	
		tradeItemCompositionDepth	MultiMeasurement Value	Physical_ Trade Item	The number of child-items that are packaged from front to back	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Dimensions. Trade Item Composition Depth. Multi-unit Measure	in a trade unit. This information is used in the space process, especially when allocating whole Trade Units (intermediate) into the shelf.			
		tradeItemCompositionWidth	MultiMeasurementValue	Physical Trade Item Dimensions. Trade Item Composition Width. Multi-unit Measure	The number of child-items that are packaged beside each other in a trade unit (on the side facing the consumer). This information is used in the space process, especially when allocating whole Trade Units (intermediate) into the shelf. The Space Manager always allocates Base Units in the shelf. Usually there are no pictures of Trade Units available and for Hypermarkets/Big Supermarkets there is a need to allocate whole trade units into the shelves.	0..1	{ref1}	
		width	MultiMeasurementValue	Physical Trade Item Dimensions. Width. Multi-unit Measure	The measurement from left to right of the trade item. Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM.	1..1	{ref1}	
		None	PegMeasurements	Physical Trade Item Dimensions. Association. Peg Location	This information on PegMeasurements for TradeItemMeasurements.	0..*	{ref1}	
		None	TradeItemDisplayDimensions	Physical Trade Item Dimensions. Association. Trade Item Display Dimensions	Display dimensions for a trade item.	0..*	{ref5}	
		None	TradeItemNesting	Physical_	Information on nesting for trade	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Trade Item Dimensions. Association. Trade Item Nesting	item.			
		None	TradeItemOrientation	Physical_ Trade Item Dimensions. Association. Trade Item Orientation	Information on orientation preferences for the trade item.	0..*		
TradeItemNesting				Trade Item Nesting. Details	Details on how trade items nest with each other for the purpose of measurements.		{ref5}	
		nestingDirection		Trade Item Nesting. Nesting Direction. Nesting Direction_Code	Depicts the arrangement of two items that nest together specifically whether they nest against each other or on top of each other.	0..1	{ref5}	
		nestingType		Trade Item Nesting. Nesting Type. Nesting Type_Code	Depicts whether a nested item fits inside or over the other item in a nesting relationship.	0..1	{ref5}	
TradeItemOrderInformation				Trade Item Ordering. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	agreedMinimumBuyingQuantity			Trade Item Ordering. Agreed Minimum Buying_Quantity. Quantity	Minimum buying quantity agreed between trading partners.	0..1	{ref1}	
	agreedMaximumBuyingQuantity			Trade Item Ordering. Agreed	The maximum quantity of the product available to the retailer.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Maximum Buying_Quantity. Quantity				
	canTradeItemBeBackOrdered			Trade Item Ordering. Can Trade Item Be Back Ordered. Nonbinary Logic_Code	An indicator whether or not a customer's order will be processed or will remain valid when it cannot be filled due to insufficient stock.	0..1	{ref6}	
	FirstDeliveryDateTime			Trade Item Ordering. First_Delivery Date. Date Time	The earliest date at which the supplier can deliver the product to the trading partner.	0..1	{ref1}	
	isOneTimeBuy			Trade Item Ordering. Is One Time Buy. Nonbinary Logic_Code	An indicator whether or not the item will only be available for order once then discontinued.	0..1	{ref6}	
	isTradeItemReorderable			Trade Item Ordering. Reorderable. Indicator	This element is an indicator that selected styles or trade items may or may not be re-ordered. It does not imply any information on current availability.	0..1	{ref1}	
	isTradeItemSizeBasedPricing			Trade Item Ordering. Size Based Pricing. Indicator	This is an indicator that an item may be at a different price point than other similar SKUs (GTIN's price within a Style may differ).	0..1	{ref1}	
	orderQuantityMaximum			Trade Item Ordering. Maximum_Quantity. Quantity	The maximum quantity of the trade item that can be ordered. A number or a count. This value can represent the total number of units ordered over a set period of time with multiple orders.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	orderQuantityMinimum			Trade Item Ordering. Minimum_Quantity. Quantity	Represent an agreed to minimum quantity of the trade item that can be ordered. A number or a count. This applies to each individual order. Can be a fixed amount for all customers in a target market.	0..1	{ref1}	
	orderQuantityMultiple			Trade Item Ordering. Multiple_Quantity. Quantity	The order quantity multiples in which the trade item may be ordered. If the Order Quantity Minimum is 100, and the Order Quantity Multiple is 20, then the trade item can only be ordered in quantities which are divisible by the Order Quantity Multiple of 20.	0..1	{ref1}	
		goodsPickUpLeadTime	MultiMeasurement Value	Trade Item Ordering. Goods Pickup_Lead Time. Multi-unit Measure	Time (in weeks, days, hours ...) required between order entry and the earliest goods release (use for pick-up, not use for delivery). Remark about ordering lead-time : Geographic distance from manufacturing / distribution point to delivery point impacts this value (relationship dependant data).	0..1	{ref1}	
		orderSizingFactor	MultiMeasurement Value	Trade Item Ordering. Sizing_Factor. Multi-unit Measure	A trade item specification other than gross, net weight, or cubic feet for a line trade item or a transaction, used for order sizing and pricing purposes. For example, factors may be used to cube a truck, reflecting different weights, and dimensions of trade item.	0..1	{ref1}	
		orderingLeadTime	MultiMeasurement Value	Trade Item Ordering. Ordering_Lead Time. Multi-unit Measure	The normal delivery time measured from receipt of order by the seller until trade item is shipped by the seller.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
TradeItemOrientation				Trade Item Orientation. Details	Depicts one or many suggested orientations for the trade item for the purpose of display.		{ref5}	
	orientationPreferencesSequence			Trade Item Orientation. Orientation Preferences Sequence. Non Negative Integer	Depicts the preferred sequence of orientation used to communicate the manufacturers relative preferences of orientation.	0..1	{ref5}	
	orientationType			Trade Item Orientation. Orientation Type. Text	Depicts via code a display orientation for a trade item.	0..1	{ref5}	
TradeItemPalletInformation				Pallet. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	palletTermsAndConditions			Pallet. Terms And Conditions. Text	Indicates if the pallet in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not reusable).	0..1	{ref1}	Min 1 Max 2
	palletTypeCode			Pallet. Type. Bilateral_ Code	Indicates whether the described dispatch unit is delivered on a pallet and on which type of pallet, or if it is non-palletized. If the dispatch unit is delivered on a pallet the pallet type must be given here. The range of the pallet types/codes is listed in code sets.	0..1	{ref1}	
TradeItemPriceDateInformation				Trade Item Price. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	effectiveEndDate			Trade Item Price. Effective_ End Date. Date Time	!! The effective end date of the price is optional based upon the agreement by the trading partners. If an invalid end date is communicated, then it is implied	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					that the price and its effective date are effective until further notice. Examples of invalid dates include 99/99/9999, 00/00/0000, blank, etc. These invalid end dates should not be communicated. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, last order date, last ship date, and last arrival date.			
	effectiveStartDate			Trade Item Price. Effective_Start Date. Date Time	!! This is the effective start date of the price agreed to by the trading partners. This start date is mandatory and, if no end date is communicated, then implies that the price is effective until further notice. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, first order date, first ship date, and first arrival date.	1..1	{ref1}	
	TradeItemPriceBasis Quantity			Trade Item Price_Trade Item. Price Basis Quantity. Total_Quantity	The price basis quantity is the associated quantity of trade item for which a price is given.	0..1	{ref5}	
		None	TradeItemPrice	Trade Item Price. Association.	!! The default value to be used for the field when that field is not present in the file.	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Trade Item Price.Detail				
TradeItemRegisteredAgent				Trade Item Registered Agent. Details	The company having legal responsibility for the product in the target market. For pharmaceuticals, the name of the company to which market authorization has been issued. The subject company is responsible for licensing and regulations within the target market.			
	registeredAgentName			Trade Item Registered Agent. Registered Agent Name.1..200) Text	The name of the company having legal responsibility for the product in the target market. For pharmaceuticals, the name of the company to which market authorization has been issued. The subject company is responsible for licensing and regulations within the target market.	0..1	{ref6}	Min 1 Max 200
		registeredAgentIdentification	PartyIdentification	Trade Item Registered Agent. Registered Agent Identification. Party Identification	The party identification (GLN) of the company having legal responsibility for the product in the target market. For pharmaceuticals, the name of the company to which market authorization has been issued. The subject company is responsible for licensing and regulations within the target market.	0..1	{ref6}	
TradeItemSalesAndUseConditions				Trade Item Sales And Use Conditions. Details	Restrictions or requirements imposed on the retailer sales or consumer use of the Trade Item.			

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
	consumerSalesConditions			Trade Item Sales And Use Conditions. Consumer Sales Conditions. Text	A code depicting restrictions imposed on the Trade Item regarding how it can be sold to the consumer for example Prescription Required.	0..*	{ref6}	Min 1 Max 35
	isDiscountingIllegal			Trade Item Sales And Use Conditions. Is Discounting Illegal. Nonbinary Logic_Code	An indicator whether or not the product is not legal to discount within a given target market (i.e. the product is subject to government regulation regarding either price floors or pricing practices).	0..1	{ref6}	
	tradeItemCopyrightFee			Trade Item Sales And Use Conditions.Trade Item Copyright Fee. Amount	A fee paid to the artist for use of the Trade Item or an associated part of the Trade Item.	0..1	{ref6}	
	tradeItemCopyrightRate			Trade Item Sales And Use Conditions.	A rate paid to the artist for use of the trade item or an associated part of the trade item.	0..1	{ref6}	
TradeItemScreenInformation				Trade Item Screen. Details	Details on television or monitor screens for a trade item.			
	displayResolution			Trade Item Screen. Display Resolution. Text	The display resolution of a television or computer display. This typically refers to the number of distinct pixels in each dimension that can be displayed for example 720x480, 1680x1050, etc.	0..1	{ref1}	Min 1 Max 35
		totalScreenArea		Trade Item Screen. Total	The area of a television or monitor screen typically	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Screen Area. Multi-unit Measure	measured as viewable screen height by viewable screen width.			
TradeItemSizeDescription				Trade Item Size. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	descriptiveSize			Trade Item Size. Description. Language_Text	!! An alphanumeric size factor the brand owner wishes to communicate to the consumer. IE Jumbo, Capri, Full Length, Maxi For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	0..1	{ref1}	Min 1 Max 35
	sizeCodeListAgency			Trade Item Size. Size Code List_Agency. Text	The parties controlling the size code list. Dependent on size code value. If size code is indicated, sizeCodeListAgency is required.	0..1	{ref1}	
	sizeCodeValue			Trade Item Size. Code. Size_Code	The value from a industry specific code list required to identify the size of the trade item. Can be a combination of values which fully describe the trade item size (32 waist, 36 inseam).	0..1	{ref1}	
TradeItemSustainabilityInformation				Trade Item Sustainability. Details	Details related to the environmental impact of a trade item.			
	areHazardousComponentsRemovable			Trade Item Sustainability. Hazardous Components Removable. NonBinary Logic_Code	An indicator if any hazardous components contained within the trade item can easily be separated from the other materials to facilitate product recycling.	0..1	{ref5}	
	componentsLabeledForDisassemblyRecyclingPercent			Trade Item Sustainability. Components	The percentage of trade item components that clearly label how to facilitate product	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Labeled For Disassembly Recycling. Percent_Numeric	disassembly and recycling. For example if the product is a VCR and remote control and the remote control is labelled for recycling, but the VCR is not the percentage equals 50.			
	doesTradeItemHaveRefuseObligations			Trade Item Sustainability. Trade Item Refuse Obligations. NonBinary Logic_Code	Indicates if there are special disposal obligations that apply to the trade item for example INTRASTAT.	0..1	{ref5}	
	isTradeItemDesignedForEasyDisassembly			Trade Item Sustainability. Designed For Easy Disassembly. NonBinary Logic_Code	Indicates that the trade item is designed for easy disassembly by recycling facilities using standard industry tools.	0..1	{ref5}	
	isTradeItemConsumerUpgradeableOrMaintainable			Trade Item Sustainability. Consumer Upgradeable Or Maintainable. NonBinary Logic_Code	Indicates if a product can be easily upgraded or have parts replaced by the consumer. For example, the ability to add additional memory/storage capacity or access and replace chargeable batteries.	0..1	{ref5}	
	isTradeItemRigidPlasticPackagingContainer			Trade Item Sustainability. Rigid Plastic Packaging Container. NonBinary Logic_Code	Indicates that a product is or is contained in a Rigid Plastic Packaging Container (RPPC) as defined by laws in the target market. A Rigid Plastic Packaging Container is a container that is made entirely of plastic, with a capacity between 8 fluid ounces and 5 gallons or the equivalent solid volume, maintains its shape while holding the product, and is capable of	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					multiple re-closures.			
	isTradeItemROHSCompliant			Trade Item Sustainability. ROHS Compliant. NonBinary Logic_Code	Indicates if the product is compliant with the European Union RoHS Directive (the restriction of the use of certain hazardous substances in electrical and electronic equipment), a government regulated agency that sets guidelines for product not to contain certain hazardous substances. The RoHS (restriction of the use of certain hazardous substances) bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.	0..1	{ref5}	
	isTradeItemUniversalWaste			Trade Item Sustainability. Universal Waste. NonBinary Logic_Code	Indicates if a product can be considered universal waste. Universal waste is defined as "are wastes that do meet the regulatory definition of hazardous waste, but are managed under special, tailored regulations.	0..1	{ref5}	
		None	Environmental Properties	Trade Item Sustainability. Association. Environmental Properties	Environmental properties for a trade item.	0..1	{ref5}	
		None	Manufacturer Take Back Program	Trade Item Sustainability. Association. Manufacturer Take Back	Information on a Manufacturer Take Back Program for a trade item.	0..1	{ref5}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Program				
		None	TradeItemElectricalUsageInformation	Trade Item Sustainability. Association. Trade Item Electrical Usage	Electrical usage information for a trade item for the purposes of sustainability.	0..1	{ref5}	
		None	TradeItemWasteManagement	Trade Item Sustainability. Association. Trade Item Waste Management	Waste information for a trade item.	0..*	{ref6}	
TradeItemTaxAmount				Trade Item_ Tax Amount. Details	!! This class is part of the Trade Item Tax Information class.		{ref1}	
	taxAmount			Trade Item_ Tax Amount. Amount. Amount	The current tax or duty or fee amount applicable to the trade item.	0..1	{ref1}	
		None	TaxAgency	Trade Item_ Tax Amount. Association. Tax Type	Associated tax information including tax type and associated taxation authority.	1..1	{ref1}	
TradeItemTaxInformation				Trade Item_ Tax Information Group. Details	!! This reusable class from Trade Item Tax Information is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
		None	TradeItemTaxAmount	Trade Item_ Tax Information Group. Association. Trade Item_ Tax Amount	The current tax or duty or fee amount applicable to the trade item.	1..*	{ref1}	
		None	TradeItemTaxRate	Trade Item_ Tax Information	The current tax or duty rate percentage applicable to the trade item.	1..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Group. Association. Trade Item_ Tax Rate				
TradeItemTaxRate				Trade Item_ Tax Rate. Details	!! This class is part of the TradeItem Tax Information class.		{ref1}	
	taxRate			Trade Item_ Tax Rate. Percentage. Percent_ Numeric	The current tax or duty rate percentage applicable to the trade item.	0..1	{ref1}	
		None	TaxAgency	Trade Item_ Tax Rate. Association. Tax Type	Associated tax information including tax type and associated taxation authority.	1..1	{ref1}	
TradeItemTemperatureInformation				Trade Item Temperature Group. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	cumulativeHumidityInterruptionAcceptableTimeSpan			Trade Item Temperature Group. Cumulative Humidity Interruption Acceptable Time Span. Measure	An expression of the maximum allowed cumulative time span of one or more humidity interruptions of a trade item as defined by the manufacturer.	0..1	{ref6}	
	cumulativeHumidityInterruptionAcceptableTimeSpanInstructions			Trade Item Temperature Group. Cumulative Humidity Interruption Acceptable Time Span Instructions. Language_ Te	Instructions provided by the product manufacturer regarding the process, procedures, or handling instructions for trade items that has exceeded the cumulative time span of humidity interruptions.	0..1	{ref6}	Min 1 Max 1000

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				xt				
	cumulativeTemperatureInterruptionAcceptableTimeSpan			Trade Item Temperature Group. Cumulative Temperature Interruption Acceptable Time Span. Measure	An expression of the maximum allowed cumulative time span of one or more temperature interruptions of a trade item as defined by the manufacturer.	0..1	{ref6}	
	cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions			Trade Item Temperature Group. Cumulative Temperature Interruption Acceptable Time Span Instructions. Language_Text	Instructions provided by the product manufacturer regarding the process, procedures, or handling instructions for trade items that has exceeded the cumulative time span of temperature interruptions.	0..1	{ref6}	Min 1 Max 1000
	storageDropBelowMinimumHumidityAcceptableTimeSpan			Trade Item Temperature Group. Storage Drop Below Minimum Humidity Acceptable Time Span. Measure	The amount of time that a product can drop below the minimum humidity threshold during storage as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	
	storageDropBelowMinimumTemperatureAcceptableTimeSpan			Trade Item Temperature Group. Storage Drop Below Minimum Temperature Acceptable Time Span.	The amount of time that a product can drop below the minimum temperature threshold during storage as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Measure				
	storageMaximumHumidityAcceptableTimeSpan			Trade Item Temperature Group. Storage Maximum Humidity Acceptable Time Span. Measure	The amount of time that a product can safely rise above the maximum humidity threshold during storage as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	
	storageMaximumTemperatureAcceptableTimeSpan			Trade Item Temperature Group. Storage Maximum Temperature Acceptable Time Span. Measure	The amount of time that a product can safely rise above the maximum temperature threshold during storage as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	
	transportationDropBelowMinimumHumidityAcceptableTimeSpan			Trade Item Temperature Group. Transportation Drop Below Minimum Humidity Acceptable Time Span. Measure	The amount of time that a product can fall below the minimum humidity threshold during transport as defined by the manufacturer without affecting product safety or quality.		{ref6}	
	transportationMaximumHumidityAcceptableTimeSpan			Trade Item Temperature Group. Transportation Maximum Humidity Acceptable Time Span. Measure	The amount of time that a product can safely rise above the maximum humidity threshold during transport as defined by the manufacturer without affecting product safety or quality.		{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		deliveryToDistributionCenterTemperatureMaximum	MultiMeasurementValue	Trade Item Temperature Group. Delivery To DC_ Maximum. Multi-unit Measure	Permitted maximum temperature of the trade item on transport to the distribution centre.	0..1	{ref1}	
		deliveryToDistributionCenterTemperatureMinimum	MultiMeasurementValue	Trade Item Temperature Group. Delivery TO DC_ Minimum. Multi-unit Measure	Permitted minimum temperature of the trade item on transport to the distribution centre.	0..1	{ref1}	
		deliveryToMarketTemperatureMaximum	MultiMeasurementValue	Trade Item Temperature Group. Delivery to Market_ Maximum. Multi-unit Measure	Permitted maximum temperature of the trade item during delivery to market.	0..1	{ref1}	
		deliveryToMarketTemperatureMinimum	MultiMeasurementValue	Trade Item Temperature Group. Delivery To Market_ Minimum. Multi-unit Measure	Permitted minimum temperature of the trade item during delivery to market.	0..1	{ref1}	
		maximumToleranceLimitTemperature	MultiMeasurementValue	Trade Item Temperature Group. Maximum Tolerance Limit Temperature. Multi-unit	The maximum temperature at which the item is still usable. The tolerated temperature indicates that the temperature of the trade item should never rise above the maximum temperature.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Measure				
		minimumToleranceLimitTemperature	MultiMeasurementValue	Trade Item Temperature Group. Minimum Tolerance Limit Temperature. Multi-unit Measure	The minimum temperature at which the item is still usable. The tolerated temperature indicates that the temperature of the trade item should never fall below the minimum temperature	0..1	{ref6}	
		storageHandlingHumidityMaximum	MultiMeasurementValue	Trade Item Temperature Group. Storage Handling Humidity_ Maximum. Multi-unit Measure	The maximum humidity in percentages that the goods should be stored in.	0..1	{ref1}	
		storageHandlingHumidityMinimum	MultiMeasurementValue	Trade Item Temperature Group. Storage Handling Humidity_ Minimum. Multi-unit Measure	The minimum humidity in percentages that the goods should be stored in.	0..1	{ref1}	
		storageHandlingTemperatureMaximum	MultiMeasurementValue	Trade Item Temperature Group. Storage Handling_ Maximum. Multi-unit Measure	The maximum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.	0..1	{ref1}	
		storageHandlingTemperatureMinimum	MultiMeasurementValue	Trade Item Temperature Group.	The minimum temperature at which the trade item can be stored. This uses a	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Storage Handling_Minimum. Multi-unit Measure	measurement consisting of a unit of measure and a value.			
		transportationMaximumTemperature	MultiMeasurementValue	Trade Item Temperature Group. Transportation Temperature_Maximum. Multi-unit Measure	The maximum temperature that a trade item can be held at during transport as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	
		transportationMinimumTemperature	MultiMeasurementValue	Trade Item Temperature Group. Transportation Temperature_Minimum. Multi-unit Measure	The minimum temperature that a trade item can be held below during transport as defined by the manufacturer without affecting product safety or quality.	0..1	{ref6}	
TradeItemUnitIndicator				Trade Item Processing. Details	!! This class is part of the Trading Partner Neutral Trade Item Information Class.		{ref1}	
	isTradeItemABaseUnit			Trade Item Processing. Base_Unit. Indicator	An indicator identifying the trade item as the base unit level of the trade item hierarchy. This is y/n (Boolean) where y indicates the trade item is a base unit.	1..1	{ref1}	
	isTradeItemAConsumerUnit			Trade Item Processing. Consumer_Unit. Indicator	Identifies whether the current hierarchy level of a trade item is intended for ultimate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					planning and for front end POS databases. This value reflects the intention of the Information Provider which may not necessarily be reflected by the retailer.			
	isTradeItemADespatchUnit			Trade Item Processing. Despatch Unit_ Unit. Indicator	An indicator identifying that the information provider considers the trade item as a dispatch (shipping) unit. This may be relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is a dispatch unit.	1..1	{ref1}	
	isTradeItemAnInvoiceUnit			Trade Item Processing. Invoice_ Unit. Indicator	An indicator identifying that the information provider will include this trade item on their billing or invoice. This may be relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is an invoicing unit.	1..1	{ref1}	
	isTradeItemAnOrderableUnit			Trade Item Processing. Orderable_ Unit. Indicator	An indicator identifying that the information provider considers this trade item to be at a hierarchy level where they will accept orders from customers. This may be different from what the information provider identifies as a despatch unit. This may be a relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is an ordering unit.	1..1	{ref1}	
	isTradeItemAVariableUnit			Trade Item Processing. Variable_	Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Unit. Indicator	weight, length, volume. trade item is used or traded in continuous rather than discrete quantities.			
	priceByMeasureType			Trade Item Processing. Price By Measure. Price By Measure Type Code_ Code	Indicator to show how a product is sold.	0..1	{ref1}	
	variableTradeItemType			Trade Item Processing. Variable Trade Item Type. Code	Indicator to show if a product is loose or pre-packed.	0..1	{ref1}	
TradeItemWarrantyInformation				Trade Item Warranty. Details	An assurance that the trade item is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.		{ref5}	
	warrantyEffectiveDateType			Trade Item Warranty. Warranty Effective Date Type. Text	The type of date associated with the warranty trade item usually expressed as an event date for the item for example date of purchase, date of manufacture or date of delivery.	0..1	{ref5}	Min 1 Max 70
	warrantyType			Trade Item Warranty. Warranty Type. Text	The type of warranty available for the trade item for example labour, distance, extended service.	0..1	{ref5}	Min 1 Max 70
		warrantyDescription	MultiDescription2500	Trade Item Warranty. Warranty Description. Multidescription 2500	The description of warranty available for the trade item.	0..1	{ref5}	Min 1 Max 2500

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	WarrantyConditions	Trade Item Warranty. Association. Warranty Conditions	Warranty Conditions for this Trade Item Warranty.	0..*	{ref5}	
TradeItemWasteManagement				Trade Item Waste Management. Detail	Information on waste management for a trade item.			
	wasteAmount			Trade Item Waste Management. Waste Amount. Measure	The amount of the components contained in the trade item that are covered by a waste directive for example WEEE.	0..*	{ref6}	
	wasteDirectiveApplianceType			Trade Item Waste Management. Waste Directive Appliance Type. Text	The category of electrical and electronic equipment containing components covered by a waste directive for example WEEE.	0..1	{ref6}	Min 1 Max 35
	wasteDirectiveName			Trade Item Waste Management. Waste Directive Name. Text	The name of a waste directive for example WEEE.	0..1	{ref6}	Min 1 Max 200
	wasteDirectiveRegistrationNumber			Trade Item Waste Management. Waste Directive Registration Number. Text	A registration number for a trade item required by a waste directive (e.g. WEEE).	0..1	{ref6}	Min 1 Max 35
TradingPartnerNeutralTradeItemInformation				Trading Partner Neutral Trade Item.	!! This is a class from the TradeItemInformation class.		{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Details				
	barCodeType			Trading Partner Neutral_ Trade Item. Bar Code. Bar Code Type_ Code	Indication if the trade item is physically bar-coded with the primary trade item identification number.	0..*	{ref1}	
	classComplianceRegulationCode			Trading Partner Neutral_ Trade Item. Class Compliance_ Regulation Code. Code	A code that indicates that a trade item is in compliance with specific applicable government regulations. Different municipalities require this on items shipped-to or sold-in the municipality.	0..*	{ref1}	
	isBarCodeOnPackageVariableMeasureBarCode			Trading Partner Neutral_ Trade Item. Is Bar Code On Package Variable Measure Bar Code. Indicator	An indicator identifying if the bar code that is printed on the trade item package is a variable measure bar code.	0..1	{ref4}	
	isTradeItemACombinationItem			Trading Partner Neutral_ Trade Item. Combination Item. Nonbinary Logic_ Code	An indicator whether a product assigned with one GTIN contains components which could have different tax rates for example chocolate eggs with toys would be chocolate 7% and toy 19%.	0..1	{ref6}	
	rFIDTaggedCode			Trading Partner Neutral_ Trade Item. RFID	A code that indicates if the trade item is or could be EPC RFID tagged.	0..1	{ref4}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Tagged Code.RFID Tagged_Code				
	serialNumberLocation Code			Trading Partner Neutral_ Trade Item. Serial Location Number.Text	The location on the item or packaging of a serial number. A serial number is a code, numeric or alphanumeric, assigned to an individual instance of an entity for its lifetime for example a Microscope model AC-2 with serial number 1234568 and microscope model AC-2 with serial number 1234569.	0..*	{ref6}	Min 1 Max 35
	tradeItemCountryOfAssembly			Trading Partner Neutral_ Trade Item. Assembly_ Country. ISO3166_1_ Code	Country where product is assembled. Uses ISO country codes.	0..*	{ref1}	
	tradeItemCountryOfLastProcessing			Trading Partner Neutral_ Trade Item. Last Processing_ Country. ISO3166_1_ Code	The ISO 3166-1 code that identifies the country in which the trade item was last processed and tested before importation.	0..1	{ref5}	
	tradeItemCountryOfOrigin			Trading Partner Neutral_ Trade Item. Origin_ Country. ISO3166_1_ Code	The country code (codes) in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the value. This value may or may not be presented on the trade item label. Per regional requirements this can include	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
					supranational and intergovernmental unions with a common single market for example the European Union (097).			
		None	BrandOwnerOfTradeItem	Trading Partner Neutral Trade Item. Association. Brand Owner Party	This information on BrandOwnerOfTradeItem for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	DangerousSubstanceInformation	Trading Partner Neutral Trade Item. Association. Dangerous Substance	Dangerous substance information for trading partner neutral trade item information.	0..1	{ref6}	
		None	ManufacturerOfTradeItem	Trading Partner Neutral Trade Item. Association. Manufacturer Party	This information on ManufacturerOfTradeItem for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	MarketingInformation	Trading Partner Neutral Trade Item. Association. Trade Item Marketing	This information on MarketingInformation for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	MaterialComposition	Trading Partner Neutral Trade Item. Association. Product	This information on MaterialComposition for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Material Composition				
		None	MaterialSafetyData	Trading Partner Neutral_ Trade Item. Association. Material Safety Data Sheet	This information on MaterialSafetyData for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	NonPackageTradeItemDimension	Trading Partner Neutral_ Trade Item. Association. Apparel_ Home Fashions_ Product Size	This information on NonPackageTradeItemDimension for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	OrderingAndSellingUnitOfMeasure	Trading Partner Neutral_ Trade Item. Association. Ordering_ Selling_ Trade Item Unit Information	This information on OrderingAndSellingUnitOfMeasure for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	OrganicTradeItemCharacteristics	Trading Partner Neutral_ Trade Item. Association. Organic_ Trade Item	This information on OrganicTradeItemCharacteristics for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	PackagingMarking	Trading Partner Neutral_	This information on PackagingMarking for TradingPartnerNeutralTradeItem	1..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Trade Item. Association. Packaging Marking	information.			
		None	PackagingMaterial	Trading Partner Neutral_ Trade Item. Association. Packaging Material	This information on PackagingMaterial for TradingPartnerNeutralTradeItem information	0..*	{ref1}	
		None	PackagingType	Trading Partner Neutral_ Trade Item. Association. Packaging	This information on PackagingType for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	PriceOnTradeItem	Trading Partner Neutral_ Trade Item. Association. Price_ Packaging Marking	This information on PriceOnTradeItem for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	PrivateInformation	Trading Partner Neutral_ Trade Item. Association. Private Data Recipient_ Party	This information on PrivateInformation for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		purchaseOrderReceiver	PartyInRole	Trading Partner Neutral_ Trade Item. PurchaseOrderReceiver.	A purchase order receiver for a Trade Item.	0..*	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Party In Role				
		None	Season	Trading Partner Neutral Trade Item Association. Trade Item Season	This information on Season for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	SecurityTagInformation	Trading Partner Neutral Trade Item Association. Security Tag	This information on SecurityTagInformation for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	ShipFromLocation	Trading Partner Neutral Trade Item Association. Ship From Location	A location from which the trade item may be shipped, or picked up by the retailer.	0..*	{ref4}	
		None	TargetConsumer	Trading Partner Neutral Trade Item Association. Trade Item Target Consumer	This information on TargetConsumer for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	TradeItemColorDescription	Trading Partner Neutral Trade Item Association. Trade Item Colour	This information on TradeItemColorDescription for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	TradeItemCoupon	Trading Partner Neutral	This information on TradeItemCoupon for TradingPartnerNeutralTradeItem	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Trade Item. Association. Trade Item Coupon	information.			
		None	TradeItemDateInformation	Trading Partner Neutral_ Trade Item. Association. Trade Item Date Group	This information on TradeItemDateInformation for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	TradeItemFinish	Trading Partner Neutral_ Trade Item. Association. Product Finish	This information on TradeItemFinish for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	TradeItemHandlingInformation	Trading Partner Neutral_ Trade Item. Association. Trade Item Handling	This information on TradeItemHandlingInformation for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	
		None	TradeItemHazardousInformation	Trading Partner Neutral_ Trade Item. Association. Hazardous Goods	This information on TradeItemHazardousInformation for TradingPartnerNeutralTradeItem information.	0..*	{ref1}	
		None	TradeItemHierarchy	Trading Partner Neutral_ Trade Item. Association. Trade Item Containment	This information on TradeItemHierarchy for TradingPartnerNeutralTradeItem information.	0..1	{ref1}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	TradeltemImportIdentification	Trading Partner Neutral Trade Item. Association. Trade Item Import Classification	This information on TradeltemImportIdentification for TradingPartnerNeutralTradeltem information.	0..*	{ref1}	
		None	TradeltemMarking	Trading Partner Neutral Trade Item. Association. Trade Item Marking	This information on TradeltemMarking for TradingPartnerNeutralTradeltem information.	1..0	{ref1}	
		None	TradeltemMaterial	Trading Partner Neutral Trade Item. Association. Additional Product Material Composition	This information on TradeltemMaterial for TradingPartnerNeutralTradeltem information.	0..1	{ref1}	
		None	TradeltemMeasurements	Trading Partner Neutral Trade Item. Association. Physical Trade Item Dimensions	This information on TradeltemMeasurements for TradingPartnerNeutralTradeltem information.	1..1	{ref1}	
		None	TradeltemOrderInformation	Trading Partner Neutral Trade Item. Association. Trade Item Ordering	This information on TradeltemOrderInformation for TradingPartnerNeutralTradeltem information.	0..1	{ref1}	

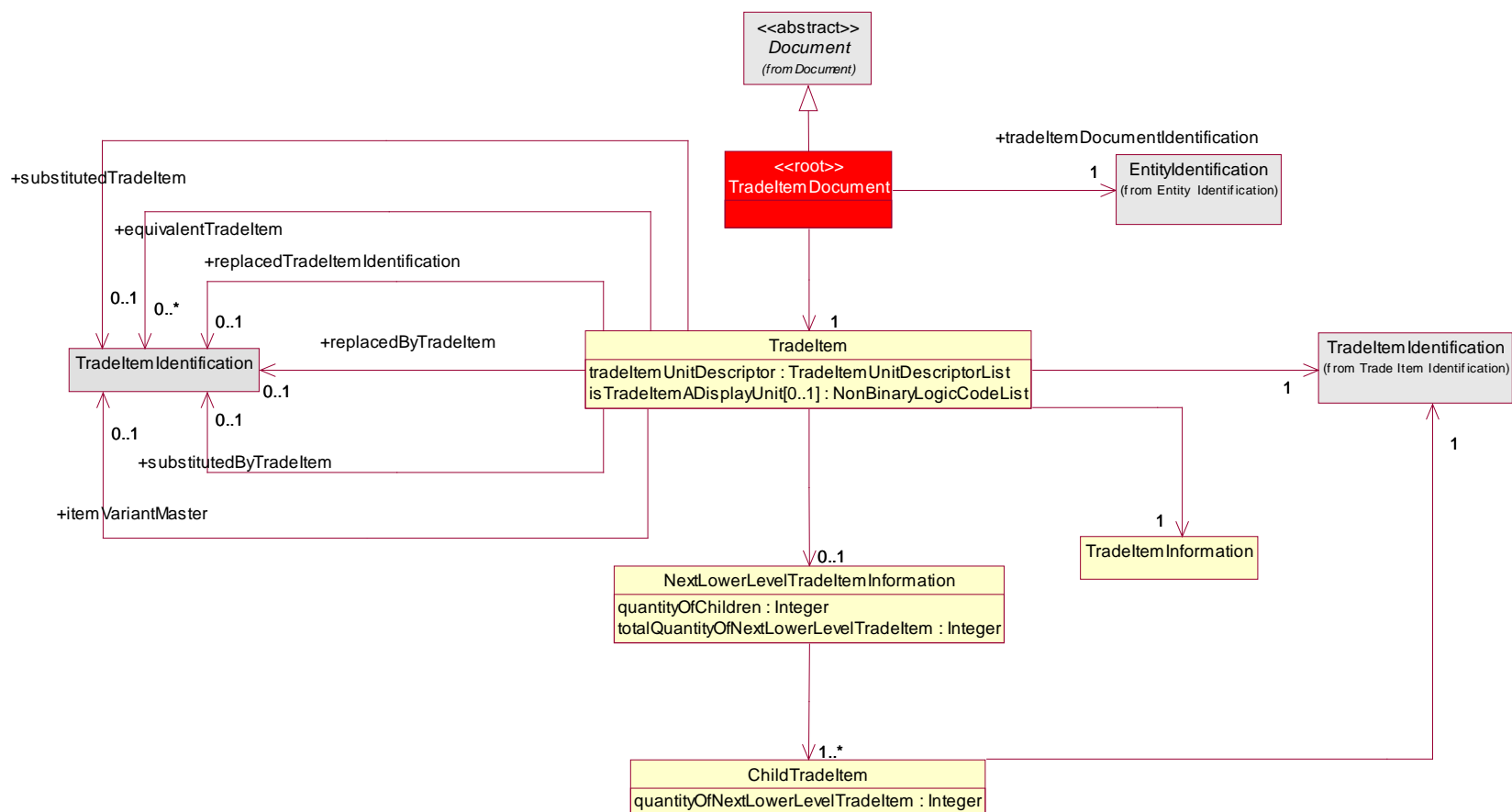
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
		None	TradeItemPalletInformation	Trading Partner Neutral_ Trade Item. Association. Pallet	This information on TradeItemPalletInformation for TradingPartnerNeutralTradeItemInformation.	0..1	{ref1}	
		cataloguePrice	TradeItemPriceDateInformation	Trading Partner Neutral_ Trade Item. Catalogue Price. Trade Item Price	This information on TradeItemPriceDateInformation for TradingPartnerNeutralTradeItemInformation.	0..1	{ref1}	
		suggestedRetailPrice	TradeItemPriceDateInformation	Trading Partner Neutral_ Trade Item. Suggested Retail Price. Trade Item Price	The retail (to consumer) price as suggested by the manufacturer. This is normally used to establish a proposed value for the trade item for marketing purposes. May or may not appear on the package.	0..1	{ref1}	
		None	TradeItemRegisteredAgent	Trading Partner Neutral_ Trade Item. Association. Trade Item Registered Agent	A registered agent for a Trade Item.	0..*	{ref6}	
		None	TradeItemSizeDescription	Trading Partner Neutral_ Trade Item. Association. Trade Item Size	This information on TradeItemSizeDescription for TradingPartnerNeutralTradeItemInformation.	0..*	{ref1}	
		None	TradeItemSalesAndUseConditions	Trading Partner Neutral_	Sales and use conditions for a Trade Item.	0..1	{ref6}	

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
				Trade Item. Association. Trade Item Sales And Use Conditions				
		None	TradeItemSustainabilityInformation	Trading Partner Neutral_ Trade Item. Association. Trade Item Sustainability Information	Sustainability Information for a Trade Item.	0..1	{ref4}	
		None	TradeItemTaxInformation	Trading Partner Neutral_ Trade Item. Association. Trade Item_ Tax Information Group	This information on TradeItemTaxInformation for TradingPartnerNeutralTradeItemInformation.	0..*	{ref1}	
		None	TradeItemTemperatureInformation	Trading Partner Neutral_ Trade Item. Association. Trade Item Temperature Group	This information on TradeItemTemperatureInformation for TradingPartnerNeutralTradeItemInformation.	0..1	{ref1}	
		None	TradeItemUnitIndicator	Trading Partner Neutral_ Trade Item. Association. Trade Item Processing	This information on TradeItemUnitIndicator for TradingPartnerNeutralTradeItemInformation.	1..1	{ref1}	
		None	TradeItemWarranty	Trading	Warranty details for a Trade	0..*	{ref4}	

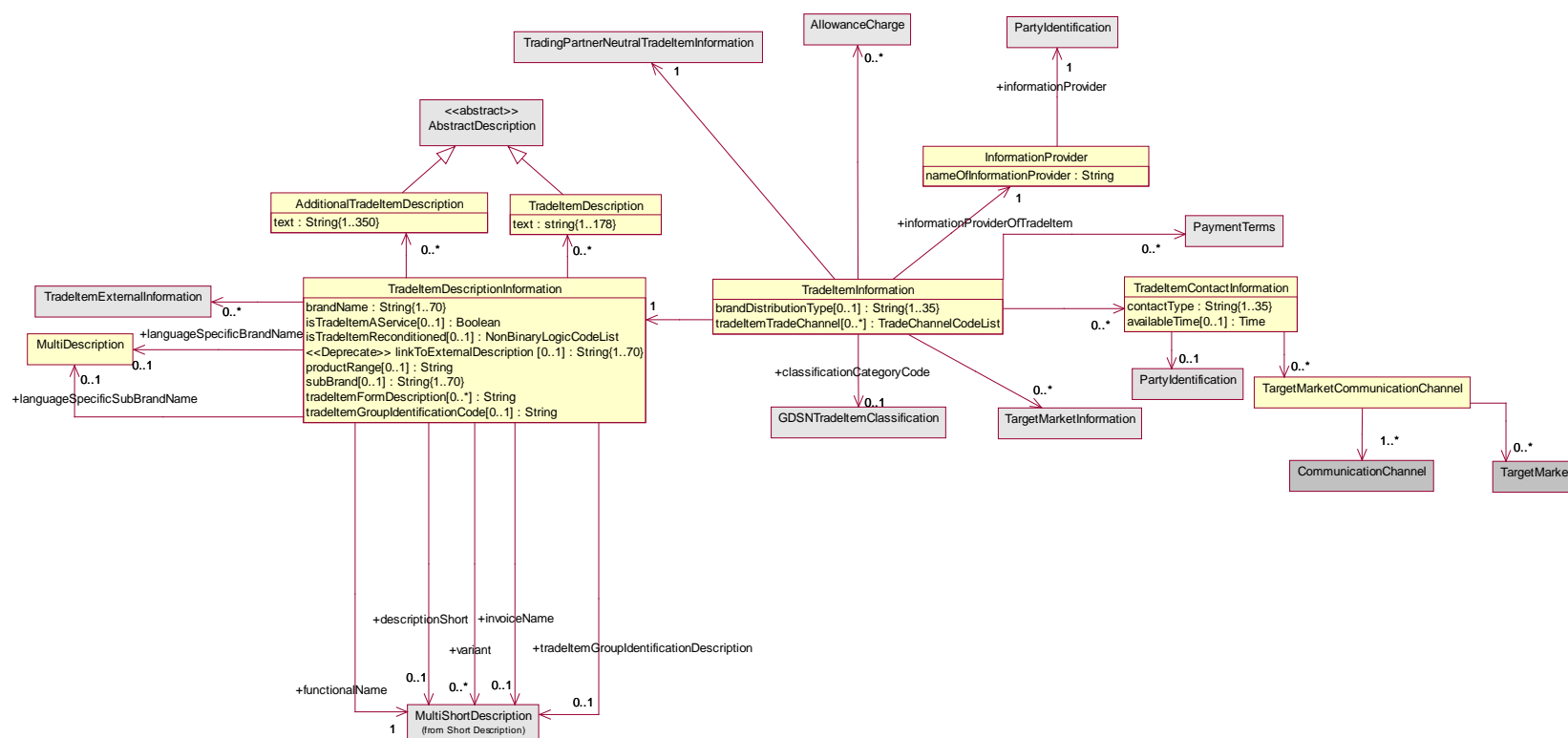
Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity	Related Req.	Facets
			yInformation	Partner Neutral Trade Item Association. Trade Item Warranty Information	Item.			
WarrantyConditions				Warranty Conditions. Details	Specific restrictions of the warranty for example the number of miles, number of months, number of uses, etc.			
	warrantyConstraint			Warranty Conditions. Warranty Constraint. Text	Determines the relationship between multiple warranty conditions for example "and", "or", "greatest", "least".	0..1	{ref5}	Min 1 Max 35
	warrantyDuration			Warranty Conditions. Warranty Duration. Measurement Value	The time period that the warranty is valid within.	1..1	{ref5}	

## 5.2. Class Diagrams

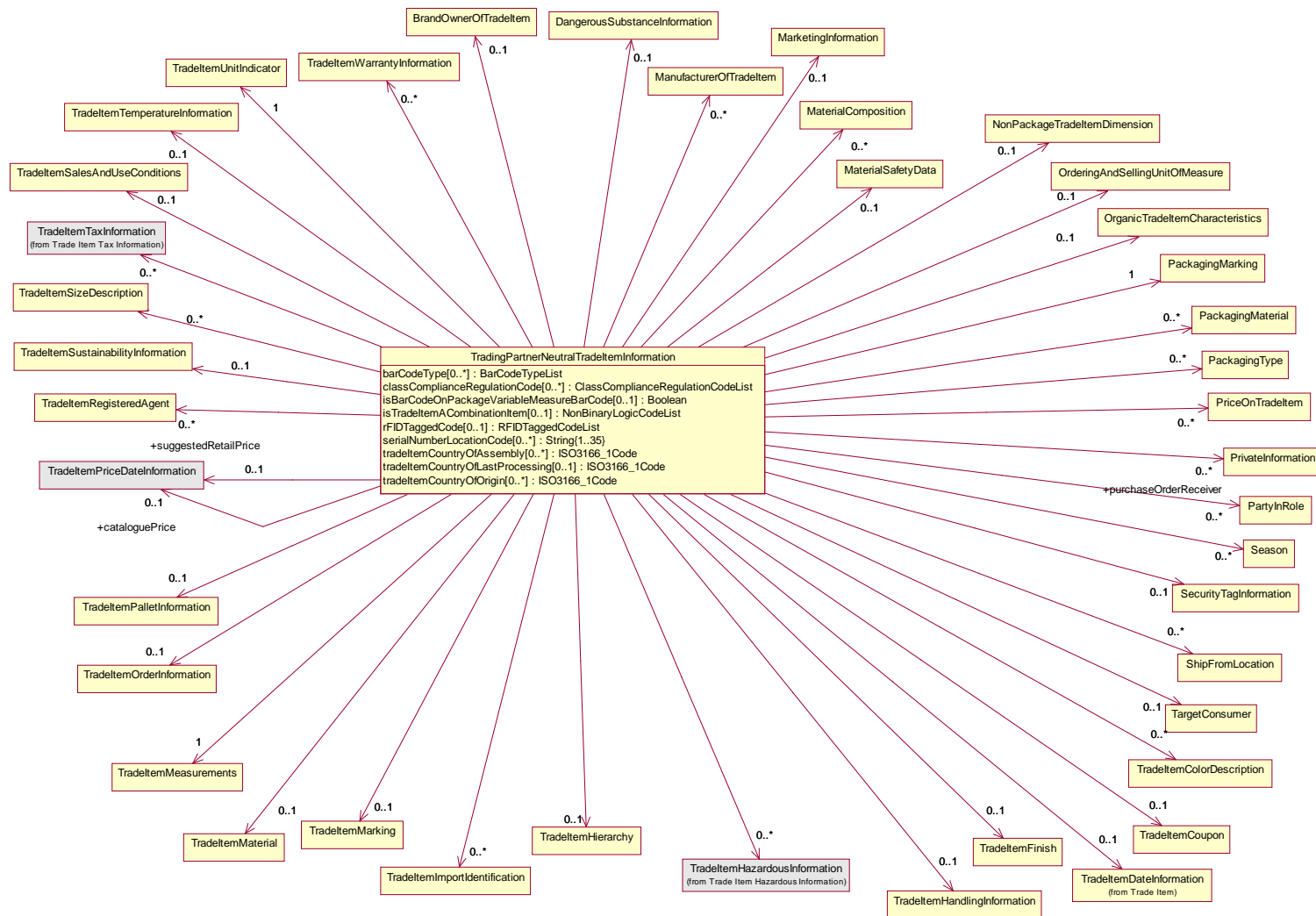
### 5.2.1. Trade Item



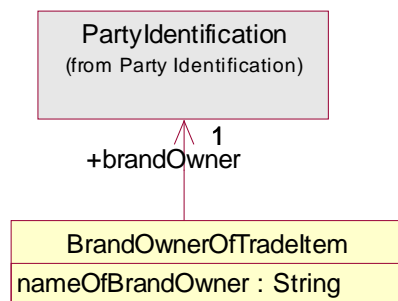
## 5.2.2. Trade Item Information



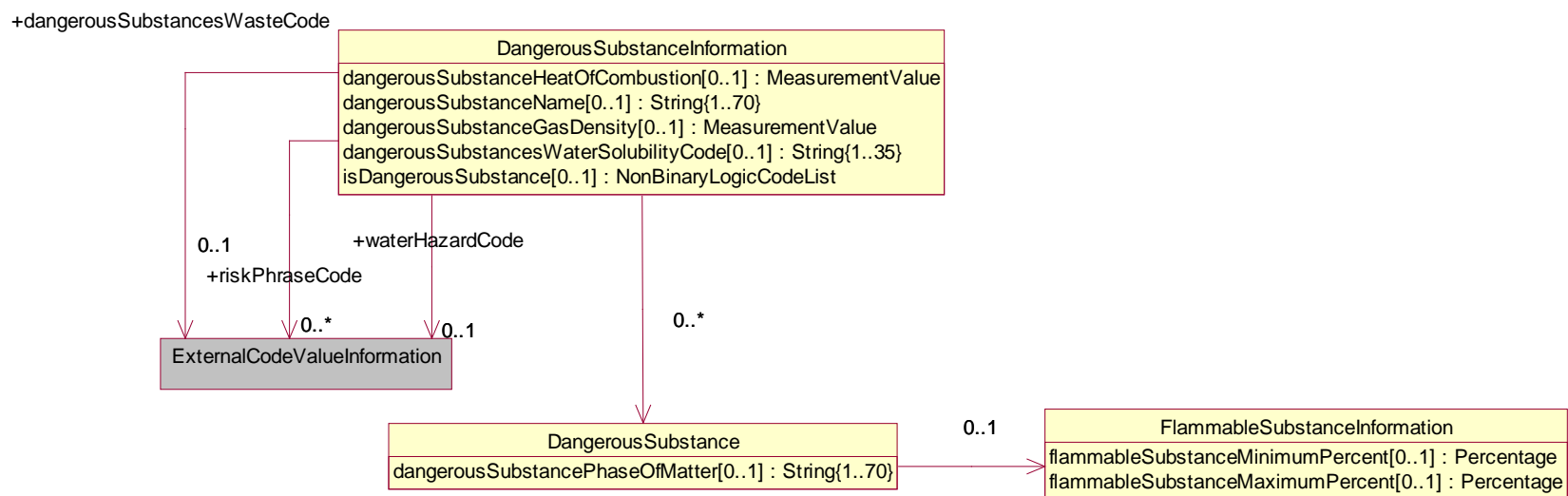
### 5.2.3. Trading Partner Neutral Trade Item Information Relationship



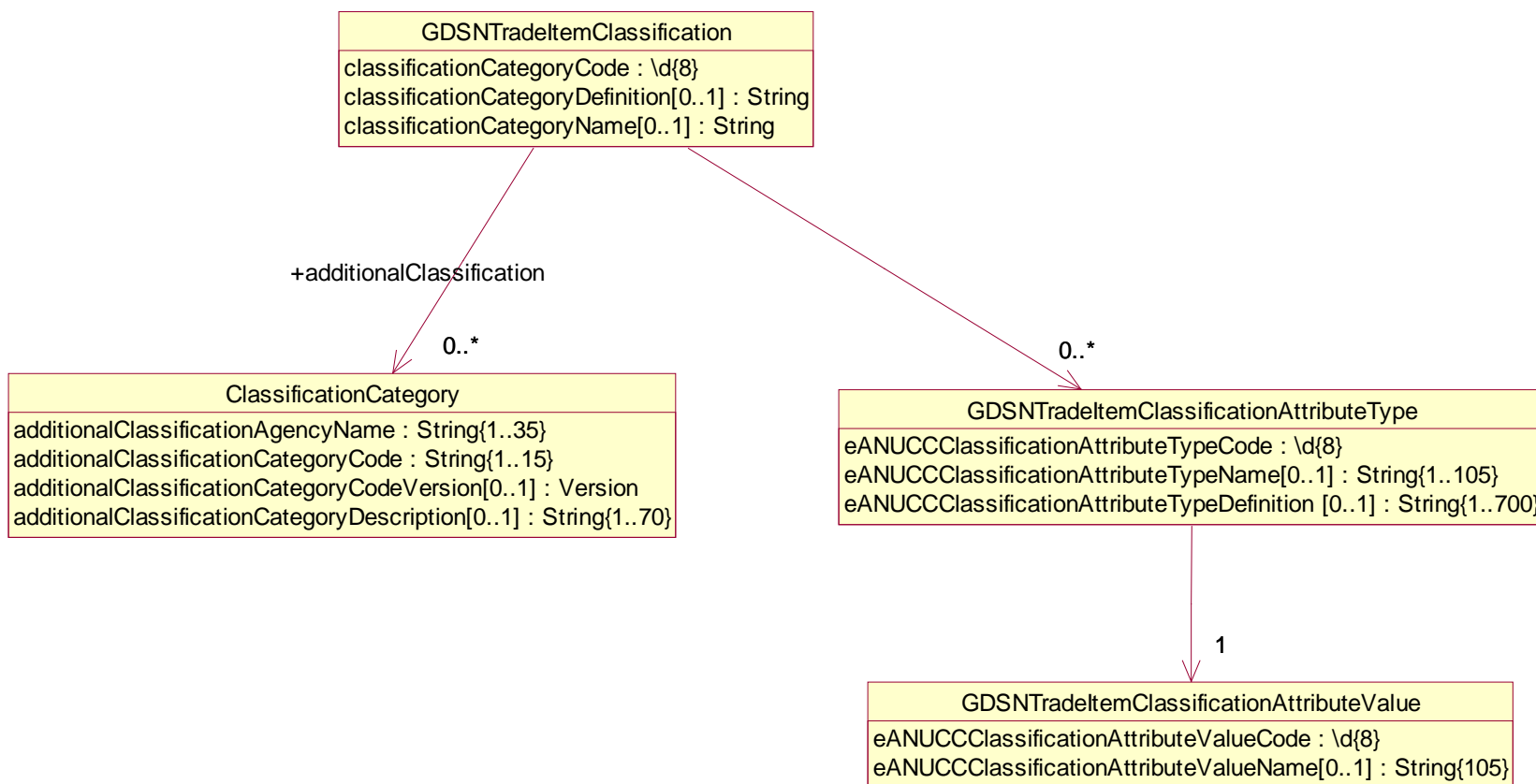
## 5.2.4. Brand Owner Of Trade Item



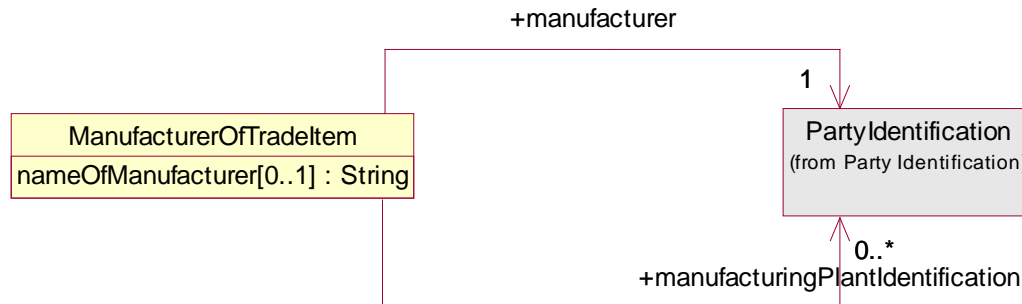
## 5.2.5. Dangerous Substance Information



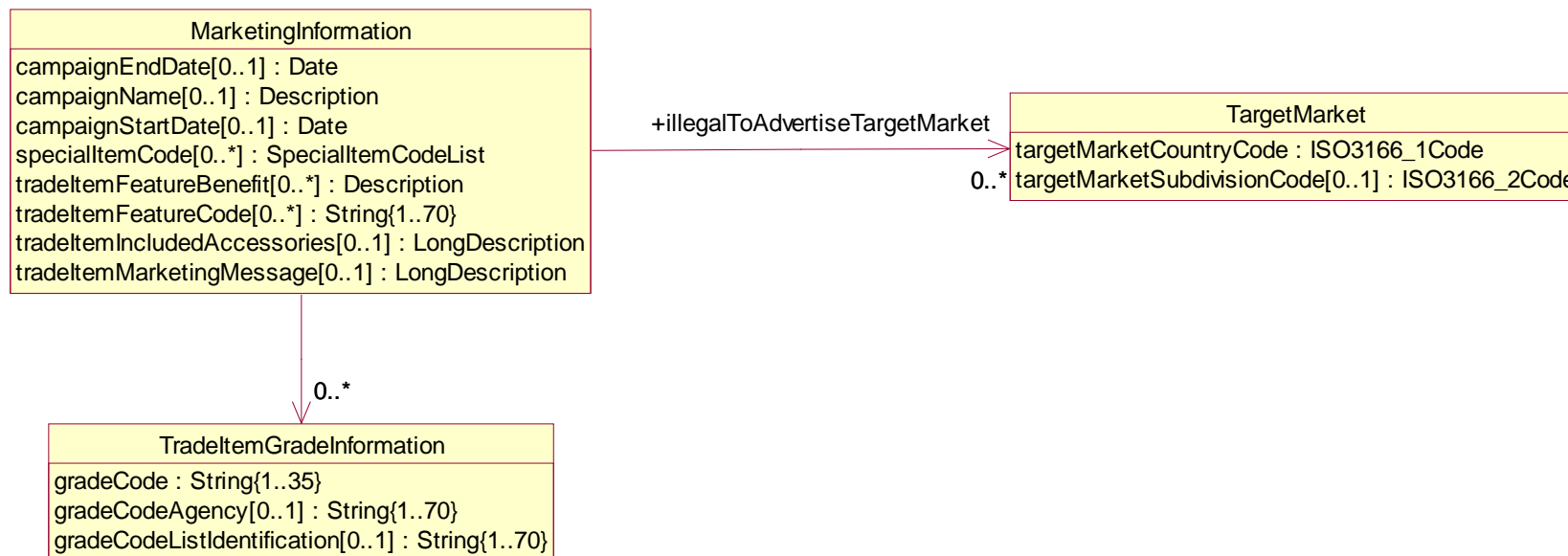
## 5.2.6. GDSN Trade Item Classification



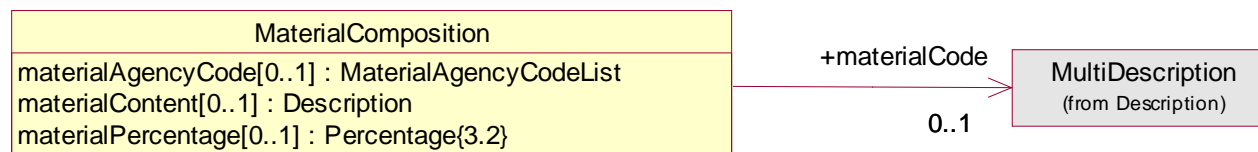
## 5.2.7. Manufacturer of Trade Item



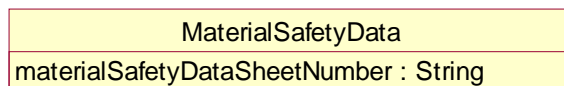
### 5.2.8. Marketing Information



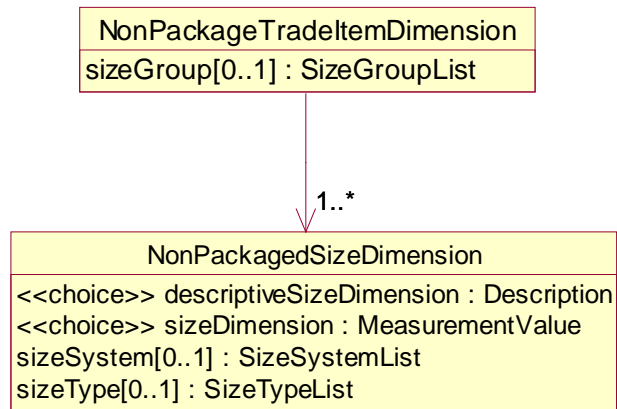
### 5.2.9. Material Composition



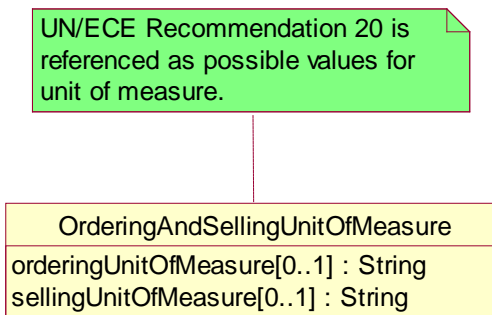
### 5.2.10. Material Safety Data



### 5.2.11. Non Package Trade Item Dimension



### 5.2.12. Ordering and Selling Unit Of Measure



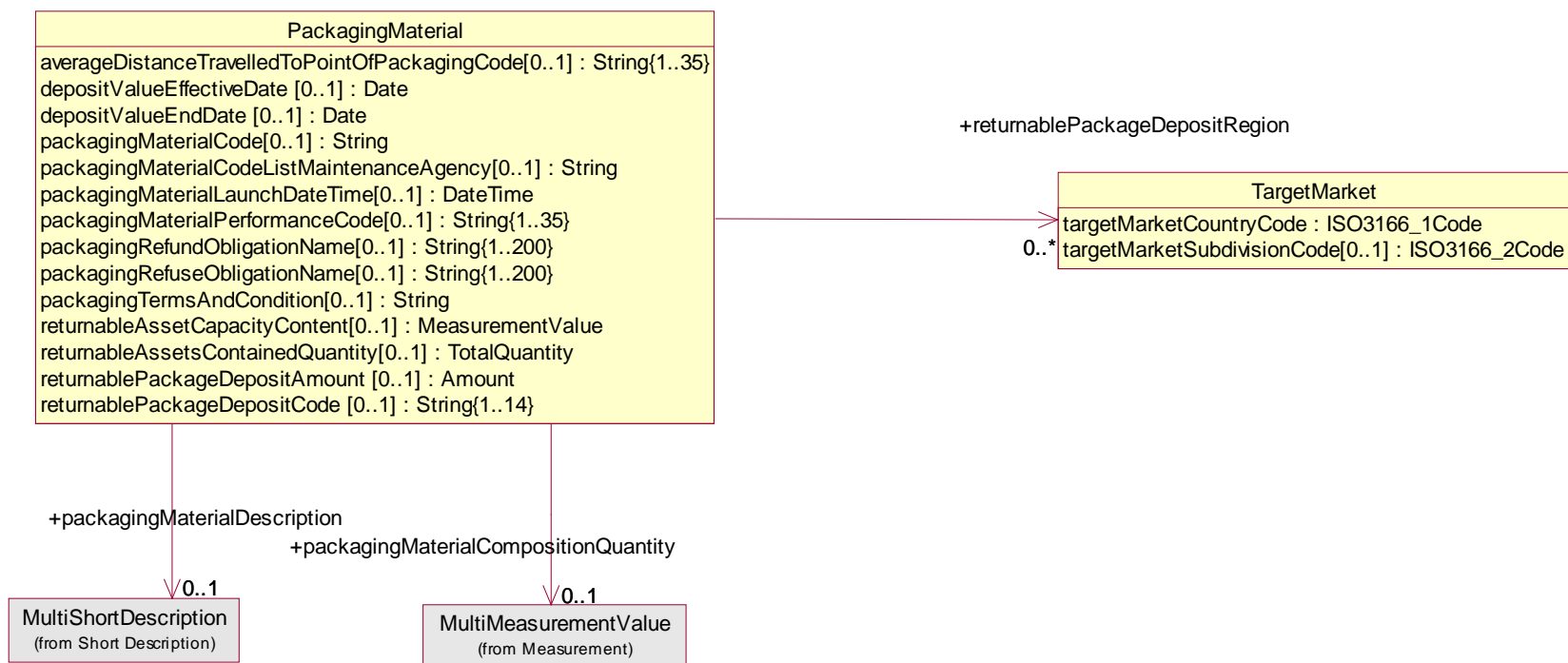
### 5.2.13. Organic Trade Item Characteristics

OrganicTradeItemCharacteristics
organicClaimAgency[1..*] : String
organicTradeItemCode : String

### 5.2.14. Packaging Marking

PackagingMarking
isPackagingMarkedReturnable : Boolean
isPackagingMarkedWithIngredients[0..1] : Boolean
isPriceOnPack[0..1] : Boolean
offerOnPack[0..1] : String
packageMarksDietAllergen[0..*] : PackageMarksDietAllergenCodeList
packageMarksEnvironment[0..*] : PackageMarksEnvironmentCodeList
packageMarksEthical[0..*] : PackageMarksEthicalCodeList
packageMarksFreeFrom[0..*] : PackageMarksFreeFromCodeList
packageMarksHygienic[0..*] : String{1..35}
packagingMarkedDateFormat[0..1] : String{1..70}
packagingMarkedExpirationDateType[0..*] : PackagingMarkedExpirationDateTypeCodeList
packagingMarkedRecyclableScheme[0..1] : String{1..70}
packagingMarkingLanguage[0..*] : ISO639_Code

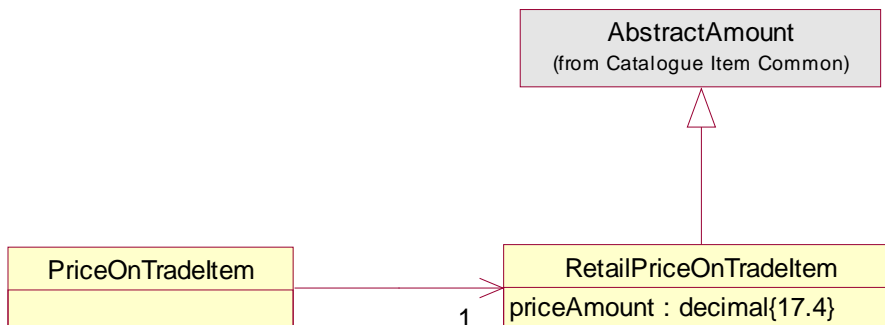
## 5.2.15. Packaging Material



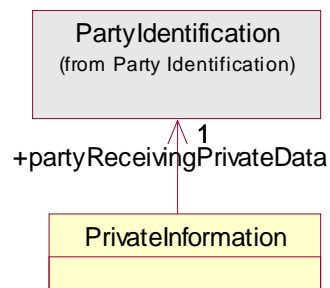
### 5.2.16. Packaging Type

PackagingType
packagingTypeCode : String{1..3} isPackagingExemptFromRefuseObligation[0..1] : NonBinaryLogicCodeList packagingFunction[0..*] : String{1..35} packagingTypeDescription[0..1] : String packagingWeight[0..1] : MeasurementValue usableProductVolume[0..1] : MeasurementValue

### 5.2.17. Price On Trade Item



### 5.2.18. Private Information



### 5.2.19. Season

Season
isTradeltemSeasonal[0..1] : NonBinaryLogicCodeList seasonalAvailabilityEndDate[0..1] : Date seasonalAvailabilityStartDate[0..1] : Date seasonCalendarYear[0..*] : Year seasonName[0..*] : Description seasonParameter[0..*] : SeasonParameterList

### 5.2.20. Security Tag Information

SecurityTagInformation
securityTagLocation[0..1] : SecurityTagLocationCodeTypeList securityTagType[0..1] : SecurityTagTypeList

### 5.2.21. Ship From Location

ShipFromLocation
shipFromLocationIdentification : GLN
shipFromLocationName[0..1] : String{1..200}

### 5.2.22. Target Consumer

TargetConsumer
targetConsumerAge[0..1] : Description
targetConsumerGender[0..1] : TargetConsumerGenderList

### 5.2.23. Trade Item Colour Description



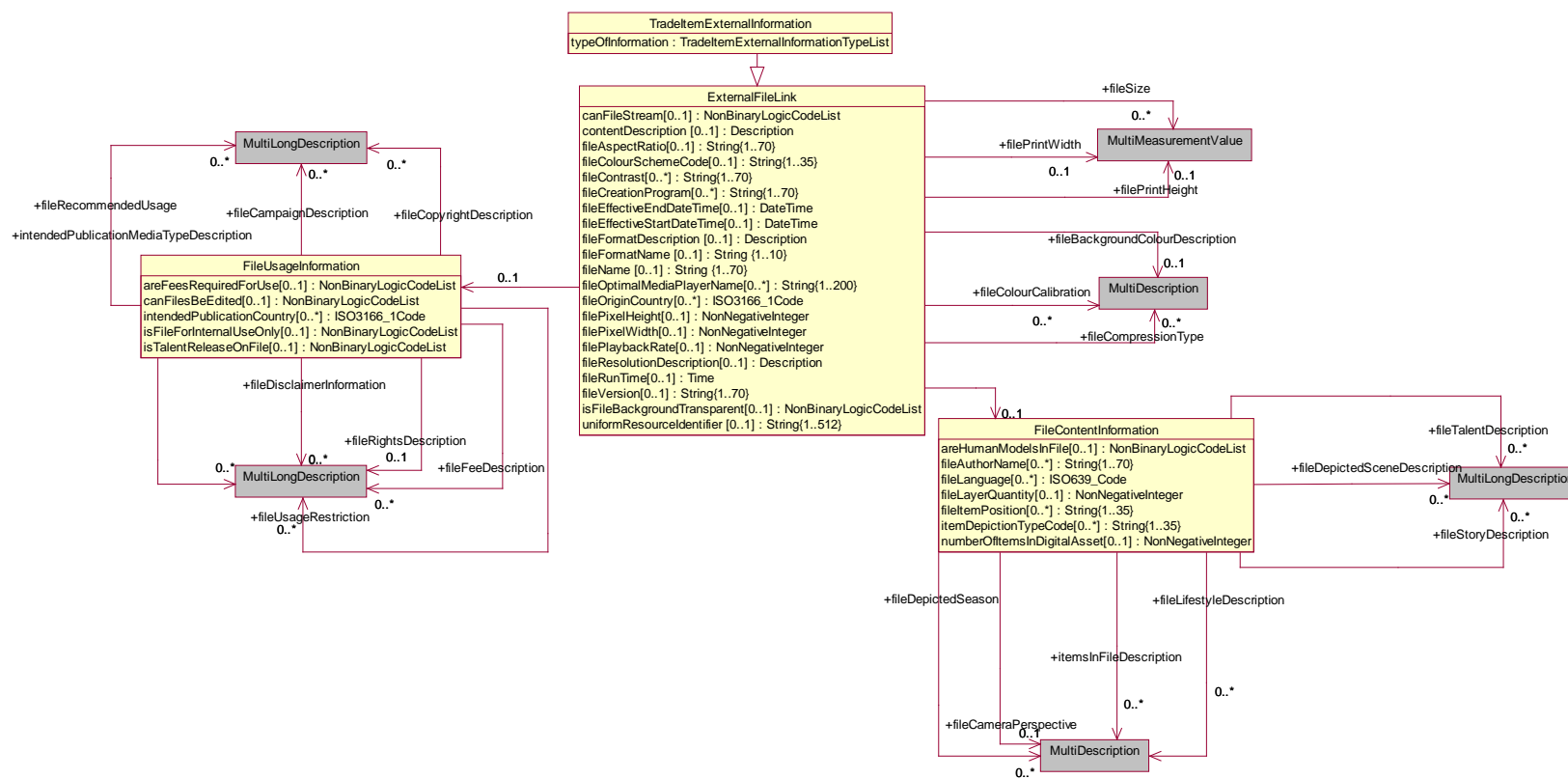
### 5.2.24. Trade Item Coupon

TradeItemCoupon
couponFamilyCode : String{1..3}

## 5.2.25. Trade Item Date Information

TradeItemDateInformation
<p> effectiveDate : Date  lastChangeDateTime : DateTime  publicationDate : Date  startAvailabilityDateTime : DateTime  canceledDate[0..1] : Date  communityVisibilityDateTime[0..1] : DateTime  consumerAvailabilityDateTime[0..1] : DateTime  discontinuedDate[0..1] : Date  endAvailabilityDateTime[0..1] : DateTime  endDateMaximumBuyingQuantity[0..1] : DateTime  endDateMinimumBuyingQuantity[0..1] : DateTime  endDateTimeOfExclusivity[0..1] : DateTime  firstOrderDate[0..1] : Date  firstShipDate[0..1] : Date  lastOrderDate[0..1] : Date  firstReturnableDateTime[0..1] : DateTime  lastShipDate[0..1] : Date  startDateMaximumBuyingQuantity[0..1] : DateTime  startDateMinimumBuyingQuantity[0..1] : DateTime </p>

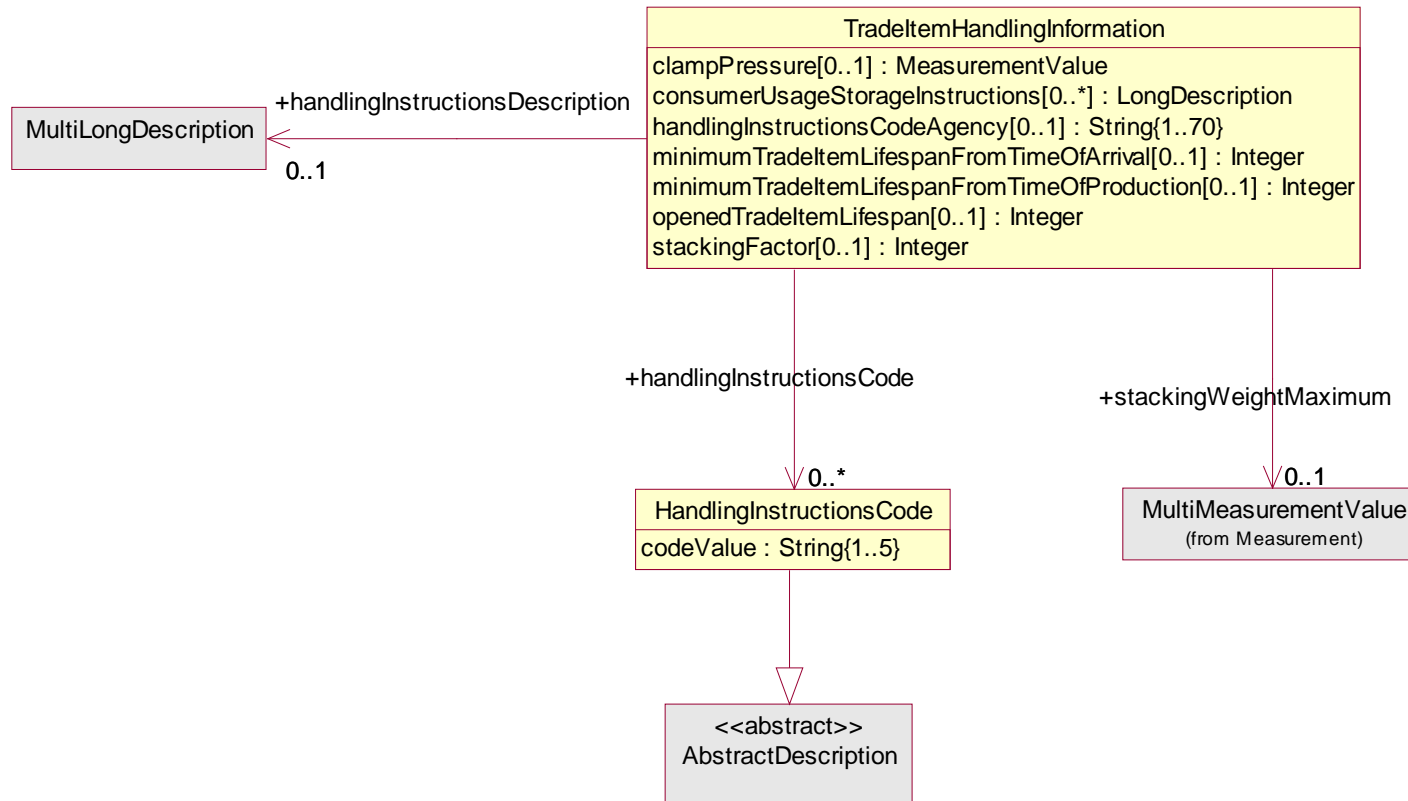
## 5.2.26. Trade Item External Information



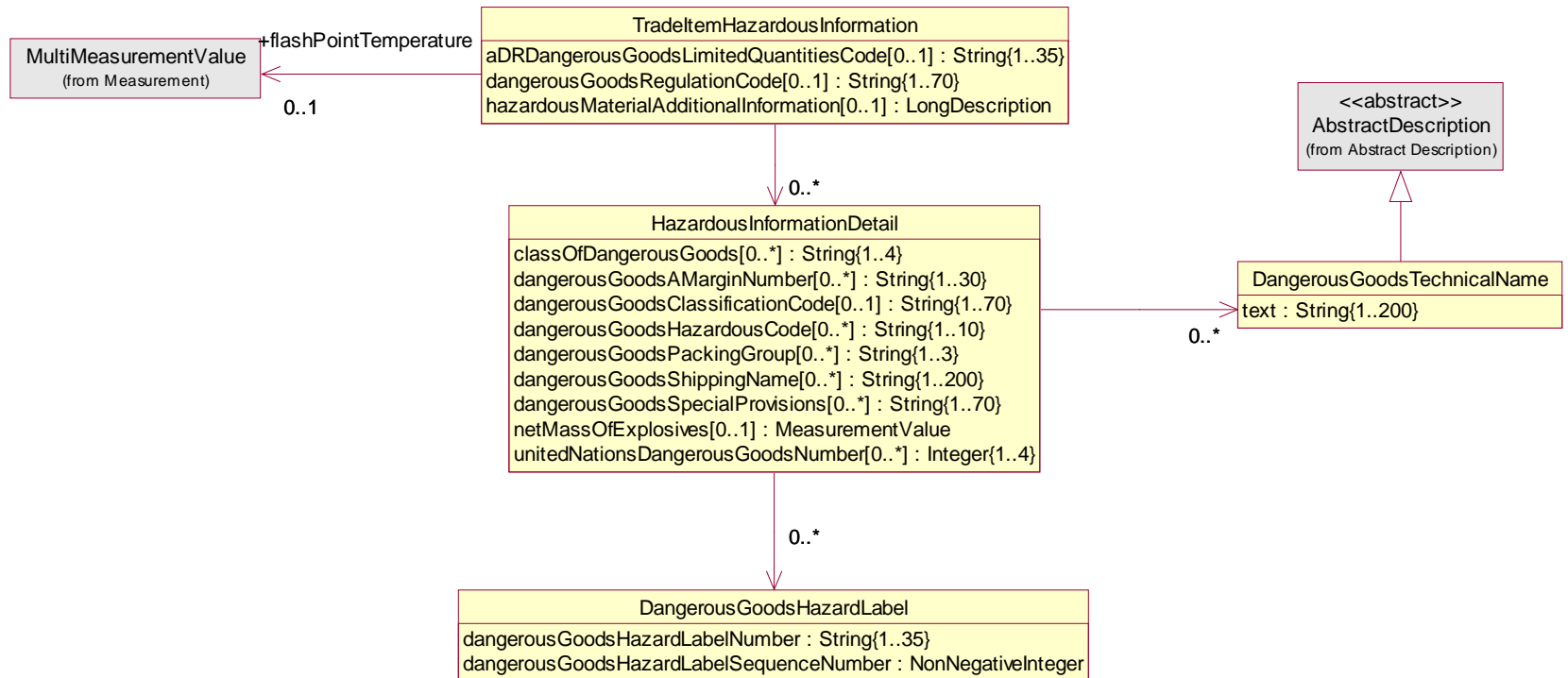
## 5.2.27. Trade Item Finish

TradeItemFinish
tradeItemFinishDescription[0..1] : Description

## 5.2.28. Trade Item Handling Information



## 5.2.29. Trade Item Hazardous Information



### 5.2.30. Trade Item Hierarchy

TradeItemHierarchy
isTradeItemPackedIrregularly[0..1] : NonBinaryLogicCodeList quantityOfCompleteLayersContainedInATradeItem[0..1] : Integer quantityOfInnerPack[0..1] : Integer{1..3} quantityOfLayersPerPallet[0..1] : Integer quantityOfNextLevelTradeItemWithinInnerPack[0..1] : Integer quantityOfTradeItemsContainedInACompleteLayer[0..1] : Integer quantityOfTradeItemsPerPallet[0..1] : Integer quantityOfTradeItemsPerPalletLayer[0..1] : Integer

### 5.2.31. Trade Item Import Identification

TradeItemImportIdentification
importClassificationType[0..1] : ImportClassificationTypeList importClassificationValue[0..1] : String{1..70}

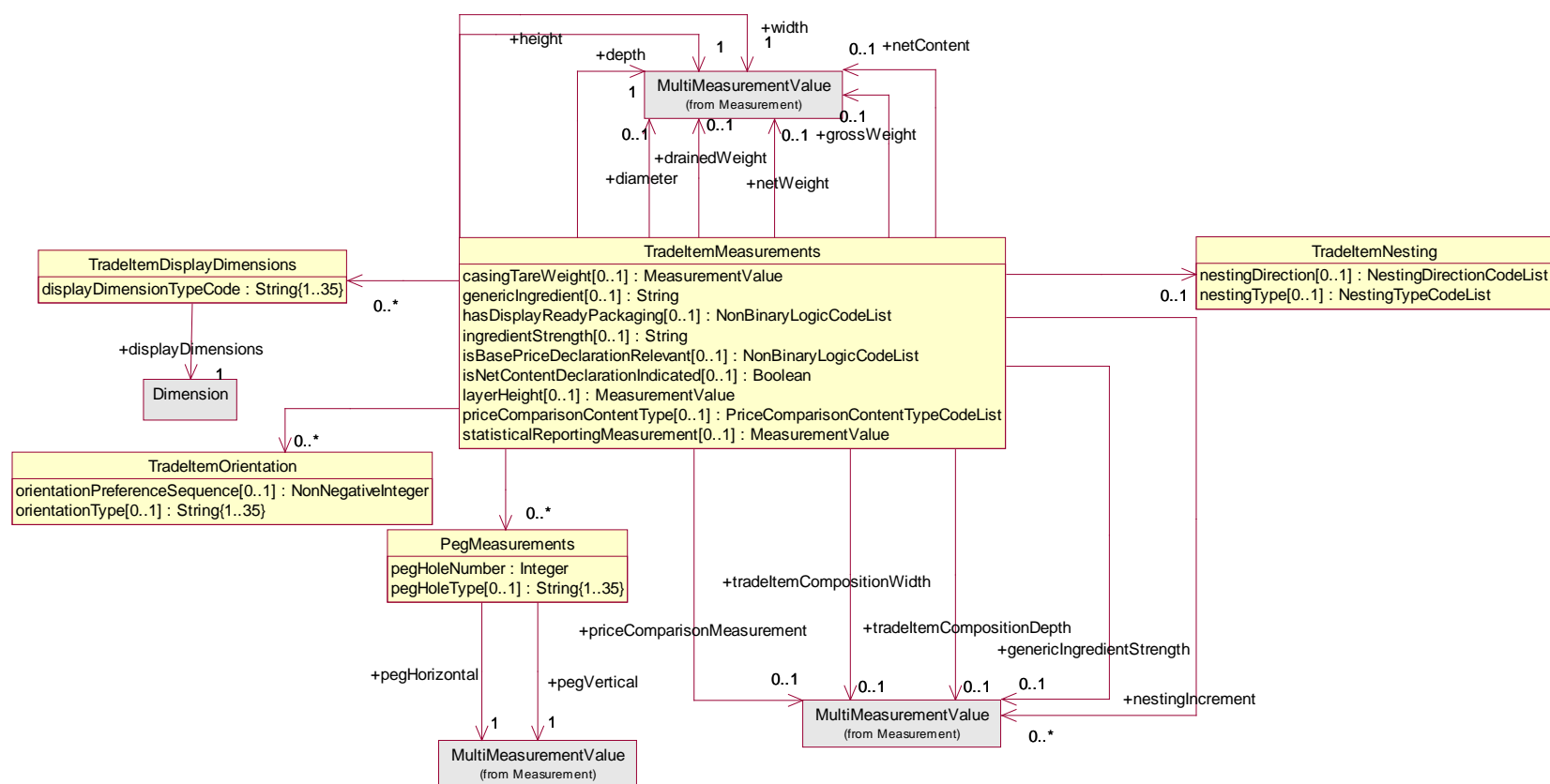
### 5.2.32. Trade Item Marking

TradeItemMarking
hasBatchNumber[0..1] : Boolean isNonSoldTradeItemReturnable[0..1] : Boolean isTradeItemMarkedAsRecyclable[0..1] : Boolean

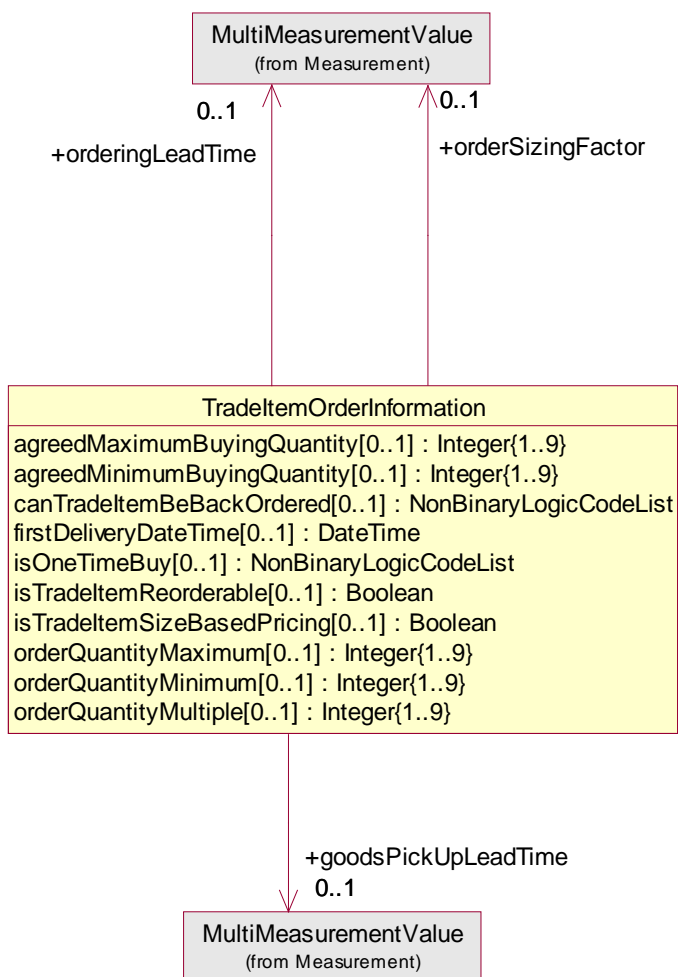
### 5.2.33. Trade Item Material

TradeItemMaterial
materialWeight[0..1] : MeasurementValue threadCount[0..1] : Description

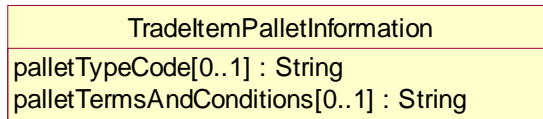
### 5.2.34. Trade Item Measurements



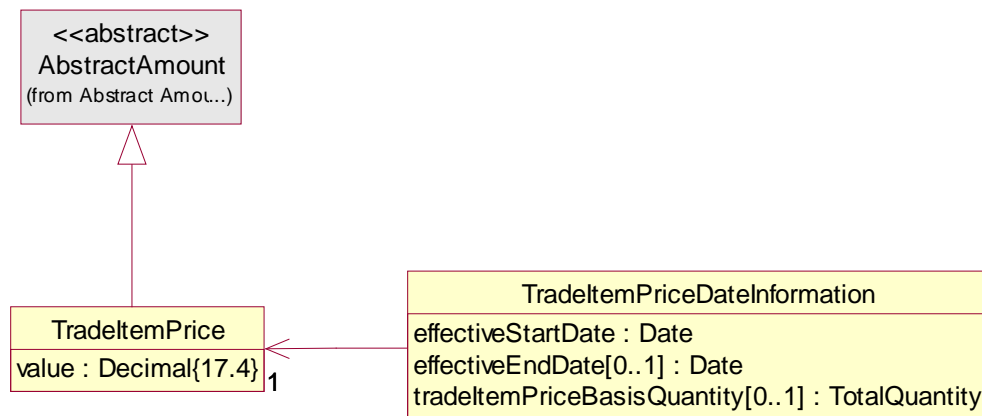
### 5.2.35. Trade Item Order Information



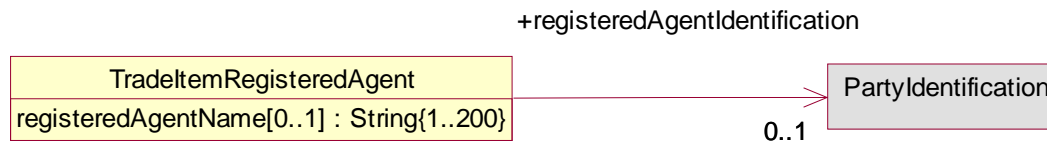
### 5.2.36. Trade Item Pallet Information



### 5.2.37. Trade Item Price Date



### 5.2.38. Trade Item Registered Agent



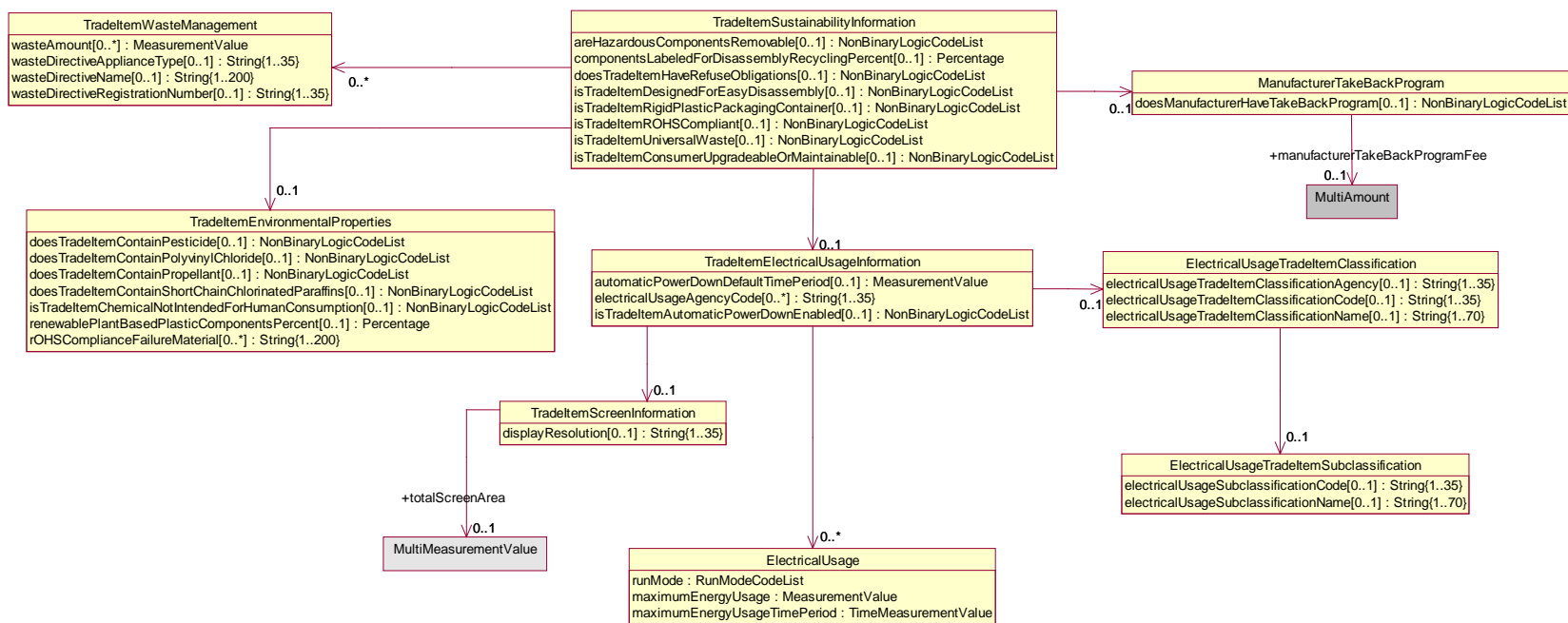
### 5.2.39. Trade Item Sales And Use Conditions

TradeItemSalesAndUseConditions
consumerSalesCondition[0..*] : String(1..35}
isDiscountingIllegal[0..1] : NonBinaryLogicCodeList
tradeItemCopyrightFee[0..1] : Amount
tradeItemCopyrightRate[0..1] : Percentage

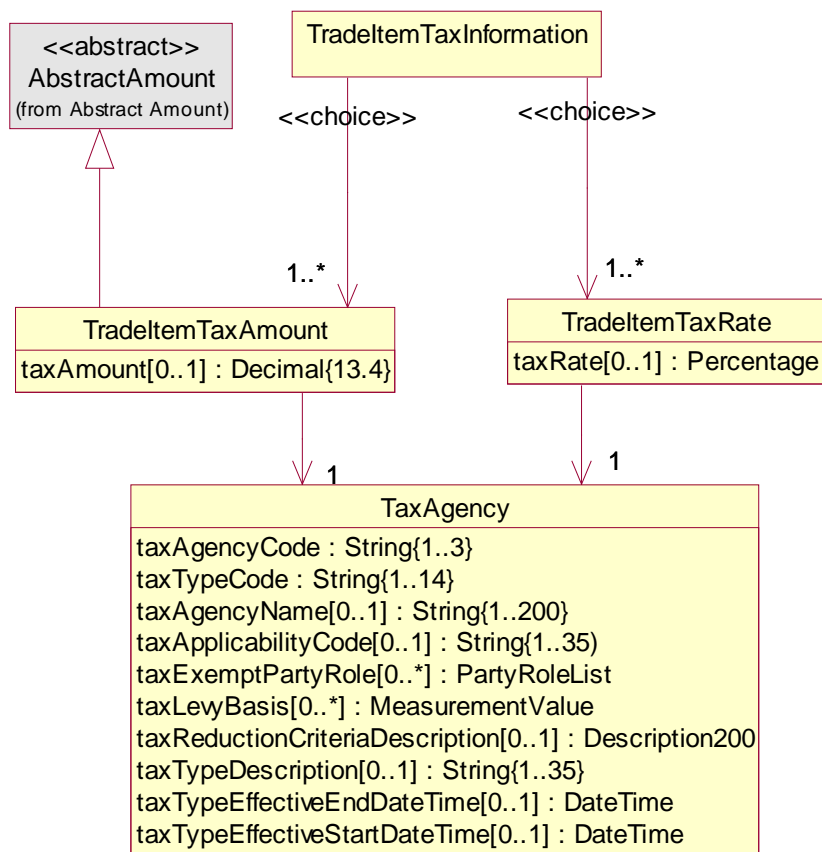
### 5.2.40. Trade Item Size Description

TradeItemSizeDescription
descriptiveSize[0..1] : ShortDescription
sizeCodeListAgency[0..1] : String
sizeCodeValue[0..1] : String

## 5.2.41. Trade Item Sustainability Information



## 5.2.42. Trade Item Tax Information



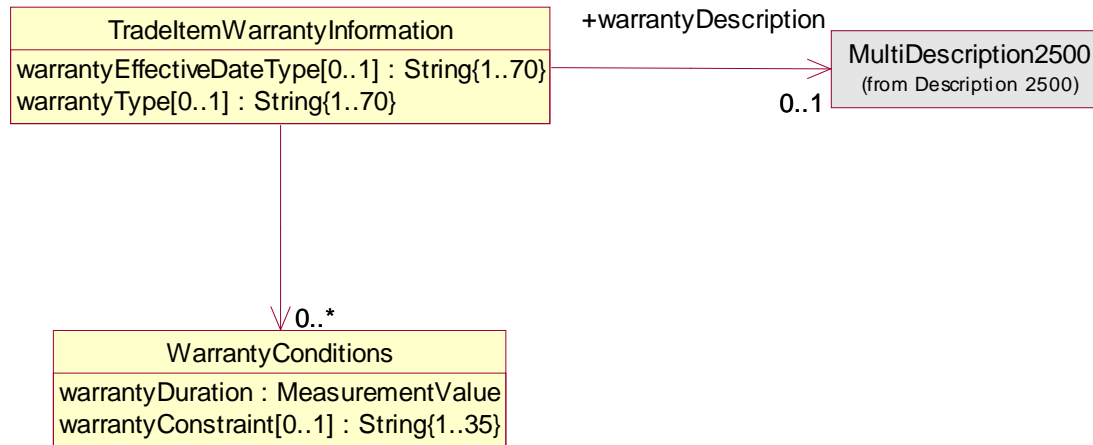
### 5.2.43. Trade Item Temperature Information



#### 5.2.44. Trade Item Unit Indicator

TradelItemUnitIndicator
isTradelItemABaseUnit : Boolean isTradelItemAConsumerUnit : Boolean isTradelItemADespatchUnit : Boolean isTradelItemAnInvoiceUnit : Boolean isTradelItemAnOrderableUnit : Boolean isTradelItemAVariableUnit : Boolean priceByMeasureType[0..1] : PriceByMeasureTypeCodeList variableTradelItem[0..1] : VariableTradelItemCodeList

## 5.2.45. Trade Item Warranty Information



### 5.3. Internal Code Lists

Code List Name	Code List Description
BarCodeTypeList	
Code Name	Code Description
COMPOSITE_COMPONENT_A	N/A
COMPOSITE_COMPONENT_B	N/A
COMPOSITE_COMPONENT_C	N/A
EAN_UCC_13_SYMBOL	N/A
<<Deprecate>> EAN_UCC_14_SYMBOL	N/A
EAN_UCC_8_SYMBOL	N/A
ITF_14_SYMBOL	N/A
NO_BARCODE	N/A
RSS_14	N/A
RSS_14_STACKED	N/A
RSS_14_STACKED_OMNIDIRECTIONAL	N/A
RSS_14_TRUNCATED	N/A
RSS_EXPANDED	N/A
RSS_EXPANDED_STACKED	N/A
RSS_LIMITED	N/A
UCC_EAN_128_SYMBOL	N/A
UPC_A_SYMBOL	N/A
UPC_E_SYMBOL	N/A

Code List Name	Code List Description
ClassComplianceRegulationCodeList	
Code Name	Code Description
BLUE_ANGEL	Blue Angel (Blauer Engel) is a German certification for products and services that have environmentally friendly aspects.
COMPLIANT_WITH_FAIR_LABOR_STANDARDS_ACT	N/A
COMPLIANT_WITH_FLAMMABILITY_ACT	N/A
COMPLIANT_WITH_FUR_PRODUCT_LABELING_ACT	N/A
COMPLIANT_WITH_STATE_ENVIRONMENT_REQUIREMENTS	N/A
COMPLIANT_WITH_TEXTILE_FIBER_PRODUCT_IDENTIFICATION	N/A
COMPLIANT_WITH_WOOL_PRODUCTS_LABELING_ACT	N/A
ECO_LOGO	Formerly known as Environmental Choice. North America's leading benchmark of environmentally

	responsible products and services.
ENERGY_STAR	An international standard for energy efficient consumer products.
EPEAT_BRONZE	Electronic Product Environmental Assessment Tool
EPEAT_GOLD	Electronic Product Environmental Assessment Tool
EPEAT_SILVER	Electronic Product Environmental Assessment Tool
EU_ECO_LABEL	A European environmental initiative supported by the European Commission. This is also known as the EU Eco-label "Flower".
GREEN_SEAL	An independent, non-profit organization that strives to achieve a healthier and cleaner environment by identifying and promoting products.
NORDIC_SWAN	Certification program is administered in Norway, Sweden, Finland and Iceland to make a better environment and has close co-operation with the EU ECO-label.
TCO_DEVELOPMENT	A Swedish company that certifies products and services to provide a better environment
UNDERWRITERS_LABORATORY	The source across the globe for product compliance.
VOLATILE_ORGANIC_COMPOUND_COMPLIANT	N/A

Code List Name	Code List Description
ImportClassificationTypeList	
Code Name	Code Description
CUSTOMS_TARIFF_NUMBER	N/A
HARMONIZED_COMMODITY_DESCRIPTION_AND_CODING_SYSTEM	N/A
HARMONIZED_TARIFF_SCHEDULE_OF_THE_US	N/A
INTRASTAT	N/A
INTRASTAT_COMBINED_NOMENCLATURE	N/A
NETHERLANDS	N/A
MERCOSUR	A regional trade agreement created in 1991, and it is integrated by Brazil, Argentina, Uruguay, Paraguay and Venezuela.
TARIF_INTEGRE_DE_LA_COMMUNAUTE	N/A
TN_VED	A commodity nomenclature of foreign-economic activity in Commonwealth of Independent States.

Code List Name	Code List Description
MaterialAgencyCodeList	
Code Name	Code Description
DIN60001_PART4	N/A

Code List Name	Code List Description
NestingDirectionCodeList	Depicts the arrangement of two items that nest together specifically whether they nest against each other or on top of each other.
Code Name	Code Description
HORIZONTAL	A nesting arrangement where the items hang against each other, like spatulas on a long hanging peg.
VERTICAL	A nesting arrangement where the items stack on top of each other, like bowls.

Code List Name	Code List Description
NestingTypeCodeList	Depicts whether a nested item fits inside or over the other item in a nesting relationship.
Code Name	Code Description
NEGATIVE	A nesting arrangement where higher items fit partially inside and are partially obscured by lower ones for example bowls.
POSITIVE	A nesting arrangement where the higher item fits over and partially obscures the lower one for example sports caps.

Code List Name	Code List Description
PackageMarksDietAllergenCodeList	
Code Name	Code Description
APPROVED_BY_ASTHMA_AND_ALLERGY_ASSOC	Definitions made by the asthma and allergist association.
APPROVED_FOR_TUBE_FEEDING	The item is physically marked that it is approved for tube feeding by the appropriate authority of the target market.
BIOLOGICAL	Indicates the product has been marked as a biological item which indicates a food product that was produced with the use of feed or fertilizer of plant or animal origin, without employment of chemically formulated fertilizers, growth stimulants, antibiotics or pesticides.
CALORIES_PER_PORTION	Indicates the product has a marking with the calories per portion contained in to the product.
CONTAINS_LATEX	The item is physically marked as containing Latex (rubber).
CONTAINS_PVC	The item is physically marked as containing PVC (Polyvinyl chloride). Phthalate content is unspecified.
CONTAINS_PVC_WITH_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) with phthalates.
CONTAINS_PVC_WITHOUT_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) without phthalates.
DIET_PRODUCT_450_800_KCAL_PER_DAY	The item is physically marked that it is approved for

	a 450-800 kilocalorie/day diet by the appropriate authority of the target market.
DIET_PRODUCT_800_1200_KCAL_PER_DAY	The item is physically marked that it is approved for a 800-1200 kilocalorie/day diet by the appropriate authority of the target market.
GEZONDE_KEUZE_KLAVERTJE	Health symbol used in the Netherlands Target Market which indicates that the item is a cholesterol-reducing product.
HALAL	Indicates the product has been marked as Halal which denotes selling or serving food ritually fit according to Islamic dietary laws.
IK_KIES_BEWUST	Conscious choice symbol used in the Netherlands Target Market which may be used for products low in saturated fat, trans fatty acids, sugar and salt.
KOSHER	Indicates the product has been marked as Kosher which denotes selling or serving food ritually fit according to Jewish dietary laws.
LACTASE_ENZYME	The item is physically marked that it is approved as lactase enzyme by the appropriate authority of the target market.
LOW_ON_PHENYLALANINE	The item is physically marked as containing a low level of phenylalanine as approved by the appropriate authority of the target market.
LOW_ON_SUGAR	The item is physically marked as containing a low level of sugar as approved by the appropriate authority of the target market.
MOTHERS_MILK_SUBSTITUTE	The item is physically marked that it is approved as substitute mother's milk the appropriate authority of the target market.
NUTRITION_SUPPLEMENT	The item is physically marked that it is approved as nutrition supplement by the appropriate authority of the target market.
NYCKELHAL_MARK	Lean product.
VEGETARIAN	Indicates the product has been marked as vegetarian which denotes a product that contains no meat, fish or other animal products.

Code List Name	Code List Description
PackageMarksEnvironmentCodeList	
Code Name	Code Description
EKO	This symbol stands for organic production certified by Skal that meets the requirements of the EU-regulation for organic production. Skal is the inspection body for the organic production in the Netherlands.
<<Deprecated>> EU_BLOMMA	N/A
EU_ECO_LABEL	The item is physically marked with the European Union Eco label a European environmental initiative supported by the European Commission.
EU_ORGANIC_FARMING	The EU organic farming logo offers consumers' confidence about the origins and qualities of their food and drink and its presence on any product ensures compliance with the EU organic farming Regulation.
FALKEN	N/A
FOREST_STEWARDSHIP_COUNCIL_LABEL	The item is physically marked with the Forest Stewardship Council label.
GMO_MARKED	The item is physically marked as of genetically modified

	origin.
GREEN_DOT	N/A
KRAV_MARK	N/A
MARINE_STEWARDSHIP_COUNCIL_LABEL	The item is physically marked with the Marine Stewardship Council label.
RAINFOREST_ALLIANCE	The item is physically marked with the Rainforest Alliance Certified symbol.
SCHARRELVLEES	A symbol used in the Netherlands Target Market intended for meat based products which guarantees that the animals has been growth without the use of antibiotics.
SOIL_ASSOCIATION_ORGANIC_SYMBOL	The Soil Association Organic Symbol is a symbol used in the UK to show that products meet a strict set of organic standards that protect health, sustainability and the environment.
SVANEN	N/A
SWEDISH_SEAL_OF_QUALITY	The item is physically marked with the Swedish Seal of Quality label which intends to guarantee the responsibility for the environment of the product.

Code List Name	Code List Description
PackageMarksEthicalCodeList	
Code Name	Code Description
FAIR_TRADE_MARK	Definition that child labour is not used in the supply chain, and other definitions considered as ethical by proper authorities.
MAX_HAVELAAR	Fair trade symbol used in the Netherlands Target Market awarded to manufacturers which contribute to improving the living and working conditions of small farmers and agricultural workers in disadvantaged regions.
UTZ_CERTIFIED	A certification which is intended to assure the social and environmental quality in coffee production. Coffee based products may be marked with this certification.

Code List Name	Code List Description
PackageMarksFreeFromCodeList	
Code Name	Code Description
FREE_FROM_EGG	Marks if the product is free from egg.
FREE_FROM_FISH	The item is physically marked as being free from fish, as approved by the appropriate authority of the target market.
FREE_FROM_GLUTEN	Marks if the product is free from gluten.
FREE_FROM_LACTOSE	Indicates if the amount of lactose is reduced.
FREE_FROM_LATEX	The item is physically marked being free from Latex (rubber) as approved by the appropriate authority of the target market.
FREE_FROM_LEGUME_PROTEIN	The item is physically marked as being free from legume protein, as approved by the appropriate authority of the target market.
FREE_FROM_MILK	The item is physically marked as being free from milk and any of its derivatives, as approved by the appropriate authority of the target market.
FREE_FROM_MILK_PROTEIN	Free from milk protein.

FREE_FROM_NATURAL_GLUTEN	The item is physically marked as being naturally free from gluten and not extracted as part of the manufacturing process, as approved by the appropriate authority of the target market.
FREE_FROM_PEAUNTS	Marks if the product is free from peanuts.
FREE_FROM_PROTEIN	The item is physically marked as being free from protein, as approved by the appropriate authority of the target market.
FREE_FROM_PVC	The item is physically marked as being free from PVC (Polyvinyl chloride), as approved by the appropriate authority of the target market.
FREE_FROM_SOYA	Free from soya.
FREE_FROM_SUGAR	Marks if the product is free from sugar.
REDUCED_LACTOSE	Indicates if the amount of lactose is reduced.
REDUCED_PROTEIN	The item is physically marked as containing a low level of protein as approved by the appropriate authority of the target market.
WITHOUT_ADDED_SUGAR	The item is physically marked that no sugar has been added when manufacturing the product but it still can contain sugars that are naturally part of the ingredients, as approved by the appropriate authority of the target market.
WITHOUT_ADDED_SWEETENER	The item is physically marked that no sweetener has been added when manufacturing the product as approved by the appropriate authority of the target market.

Code List Name	Code List Description
PackagingMarkedExpirationDateTypeCodeList	
Code Name	Code Description
BEST_BEFORE_DATE	N/A
EXPIRY_DATE	N/A

Code List Name	Code List Description
PriceComparisonContentTypeCodeList	
Code Name	Code Description
DRAINED_WEIGHT	Specified using GRM or OZ as unitOfMeasure (price per gram/ounce drained weight).
INCLUDING_ADDITIVES	Specified using MLT or FZ as unitOfMeasure (price per litre/pint drink including additives other than water). Food service.
MILLILITRES_EXCLUDING_DEPOSIT	Specified using MLT as unitOfMeasure (price per litre, not including the package deposit charge)
PER_CUBIC_METRE	The Price Comparison Content specified may be used to calculate the price per cubic metre.
PER_DOSE	Specified using PCE as unitOfMeasure (price per dose)
PER_KILOGRAM	Specified using GRM as unitOfMeasure (price per kilogram).
PER_LITRE	Specified using MLT as unitOfMeasure (price per litre).
PER_LOAD	Specified using PCE as unitOfMeasure (price per load – used for washing-up powder)
PER_METRE	Specified using MMT as unitOfMeasure

PER_PIECE	Specified using PCE as unitOfMeasure (price per piece)
PER_PINT	Specified using FZ as unitOfMeasure (price per pint)
PER_POUND	Specified using OZ as unitOfMeasure (price per pound)
PER_SQUARE_METRE	The Price Comparison Content specified may be used to calculate the price per square metre.
PER_WASH	Specified using PCE as unitOfMeasure (price per wash – used for washing deter-gent)
PER_YARD	Specified using IN as unitOfMeasure (price per yard)
READY_TO_DRINK	Specified using MLT or FZ as unitOfMeasure (price per litre/pint diluted drink).
READY_TO_EAT	Specified using GRM or OZ as unitOfMeasure (price per kilogram/pound prepared food).

Code List Name	Code List Description
PriceByMeasureTypeCodeList	
Code Name	Code Description
AREA	N/A
COUNT	N/A
LENGTH	N/A
VOLUME	N/A
WEIGHT	N/A

Code List Name	Code List Description
RFIDTaggedCodeList	
Code Name	Code Description
ALWAYS	The product always will be marked with RFID tags and trading partners can count on it every time.
NEVER	The product never will be marked with RFID tags and trading partners can never expect it.
SOMETIMES	The product may be marked with RFID occasionally. This code is used to represent that not all ship-to-locations are RFID enabled and therefore not all same products would be EPC tagged.

Code List Name	Code List Description
RunModeCodeList	A code list describing the functional mode of an electrical device.
Code Name	Code Description
DOWNLOAD_ACQUISITION	The product is connected to a power source, produces neither sound nor a picture, and is downloading information and/or otherwise communicating with a connected device through a network protocol.
IDLE	A low power mode for electronic devices such as computers and televisions. Note: this mode is similar to standby.
OFF	Product is not fulfilling any function nor is it in standby mode.
ON	Product is fulfilling its primary function.

SLEEP	A low power mode for electronic devices such as computers and televisions. Note: this mode is similar to standby.
STANDBY	Product is not fulfill its primary function but still uses some electrical power.

Code List Name	Code List Description
SeasonParameterList	
Code Name	Code Description
ALL_YEAR	N/A
AUTUMN	N/A
AUTUMN_WINTER	For trade items that are seasonal in nature and apply to both the Autumn and Winter selling seasons
SPRING	N/A
SPRING_SUMMER	For trade items that are seasonal in nature and apply to both the Spring and Summer selling seasons.
SUMMER	N/A
WINTER	N/A

Code List Name	Code List Description
SecurityTagLocationCodeTypeList	
Code Name	Code Description
CONCEALED_INSIDE_THE_TRADE_ITEM	N/A
INTEGRATED_INSIDE_OF_TRADE_ITEM	N/A
LOCATION_UNSPECIFIED	The trade item has an EAS tag but the specific location is unknown.
ON_OUTSIDE_OF_TRADE_ITEM	N/A

Code List Name	Code List Description
SecurityTagTypeList	
Code Name	Code Description
ACOUSTO_MAGNETIC_EAS_TAG	N/A
ELECTRO_MAGNETIC_EAS_TAG	N/A
INK_OR_DYE_EAS_TAG	N/A
MICROWAVE_EAS_TAG	N/A
RADIO_FREQUENCY_EAS_TAG	N/A

Code List Name	Code List Description
SizeGroupList	
Code Name	Code Description
BOYS	N/A
GIRLS	N/A
INFANTS	N/A
JUNIORS	N/A
MATERNITY	N/A
MENS	N/A
MENS_TALL	N/A
MISSES	N/A
PETITE	N/A
WOMENS	N/A
WOMENS_TALL	N/A

Code List Name	Code List Description
SizeSystemList	
Code Name	Code Description
AUSTRALIA	N/A
CONTINENTAL	N/A
EUROPE	N/A
JAPAN	N/A
MEXICO	N/A
UK	N/A
US	N/A

Code List Name	Code List Description
SizeTypeList	
Code Name	Code Description
BACK	N/A
CHEST_BUST	The measurement around the widest part of the chest/bust.
COLLAR	N/A
CUP	N/A
HIPS	The measurement around the fullest part of the hips.
INSEAM	N/A
LENGTH	N/A
ONE_DIMENSION	N/A
OUTSIDE_LEG	The measurement of the outside leg seam. This is the distance from the waist to the bottom of the trousers.
SLEEVE	N/A
WAIST	N/A
WIDTH	N/A

Code List Name	Code List Description
SpecialItemCodeList	
Code Name	Code Description
COLLATERAL_ITEM	N/A
DYNAMIC_ASSORTMENT	N/A
GIFT_WITH_PURCHASE	N/A
NOT_FOR_RESALE_TO_CONSUMER	Trade items purchased by a retailer for internal use only, not for sale to consumers.
PURCHASE_WITH_PURCHASE	N/A

Code List Name	Code List Description
TargetConsumerGenderList	
Code Name	Code Description
FEMALE	N/A
MALE	N/A
UNISEX	N/A

Code List Name	Code List Description
TradeItemExternalInformationTypeList	Codes indicating the type of information contained in the external file.
Code Name	Code Description
AUDIO	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
DOCUMENT	Link to a document or text file containing product information. Examples of this type could be an instruction manual, assembly guide, or warranty document.
CONSUMER_HANDLING_AND_STORAGE	Link to a website, file, or image containing the Manufacturer's recommendations for how the consumer or end user should store and handle the product.
IFU	Link to a file containing the Instructions For Use (IFU). This type of file is primarily used in conjunction with ingestible products, regardless of species.
LOGO	Link to a file containing the Manufacturer or Brand Logo(s) associated with the product.
MARKETING_INFORMATION	Link to a file with product information associated with selling a product or service.
MSDS_SHEET	Link to a file containing the product's Material Safety Data Sheet (MSDS). This file can be either an image or a document.

OTHER_EXTERNAL_INFORMATION	Link to a file containing product information of an unspecified type.
OUT_OF_PACKAGE_IMAGE	Link to an image of an item out of its packaging and, if necessary, assembled ready for use by the end user. This type of file is subject the current version of the GDSN Product Image Specification Standard.
PRODUCT_IMAGE	Link to a file containing a visual representation of the product in its packaging. This type of file is subject the current version of the GDSN Product Image Specification Standard.
PRODUCT_LABEL_IMAGE	Link to a file containing a visual representation of the product label.
PLANOGRAM	Link to an image file to be used with a planogram or in a planogram system. A Planogram is a file or document illustrating how and where retail products should be displayed. This type of file is subject the current version of the GDSN Product Image Specification Standard.
WARRANTY_INFORMATION	Link to a file with information associated with any guarantee given by a company stating that a product is reliable and free from known defects and that the seller will, without charge, repair or replace defective parts within a given time limit and under certain conditions.
WEBSITE	Link to a website containing product or manufacturer information.
VIDEO	Link to a file containing a video clip which is relevant to the product. Examples are commercials, trailers, or instructional/ how to use video files.

Code List Name	Code List Description
TradeItemUnitDescriptorList	Sourced from GDD and Item BRD
Code Name	Code Description
BASE_UNIT_OR_EACH	The lowest level of the item hierarchy intended or labelled for individual retail sale.
CASE	The standard shipping unit level.
DISPLAY_SHIPPER	A display, a shipper. May have a "PL" parent. May have (CA or EA) children in multiple instances. It may be Orderable and can be a Consumer Unit.
MIXED_MODULE	A "mixed mod" or "display ready pallet" that is not the normal 'turn' for ordering.
MULTIPACK	A group of trade items (the same or different) that are intended to be sold as a single consumer unit at the Point-of-Sale (e.g., a three-pack of men's white T-shirts or a 12-piece set of glassware). A multipack is not intended to be broken apart and sold as individual trade items.
PACK_OR_INNER_PACK	Logistical unit between case and each. This may be a consumable innerpack (i.e. Carton of Cigarettes) or it may be simply a logistical pack (i.e. Dozens of

	toothbrushes).
PALLET	A pallet is a flat transport structure designed to support a variety of goods in a stable fashion while being lifted by any mobile forklift or other jacking device.
PREPACK	Contains multiple components, each of which represents a unique consumer unit item by colour and size. or standard assortment of trade items, each different item within the prepack will be assigned a GTIN maintaining the one-to-one relationship between trade item/colour ID/size ID and GTIN. Each of the component GTINs is scannable at the Point-of-Sale and may or may not be orderable separately outside of the prepack.
PREPACK_ASSORTMENT	Contains multiple components, each of which represents a unique consumer unit item by colour and size. Includes prepacks and setpacks.
SETPACK	Contains multiple components, each of which represents a unique consumer unit item by colour and size. each different trade item within the setpack will be assigned a GTIN, maintaining the one-to-one relationship between trade item/colour ID/size ID and the GTIN. The individual trade item GTIN must be scannable at the Point-of-Sale and may or may not be orderable separately outside the setpack(s). A separate and unique GTIN is assigned to each setpack.

Code List Name	Code List Description
VariableTradeItem TypeCodeList	
Code Name	Code Description
LOOSE	<p>A trade item which is without packaging at the retail level and whose quantity (the individual pieces, amount, or volume) is selected by the consumer and can be either bagged and bar coded by the consumer or bagged and key-entered or scanned at the point of sale.</p> <p>NOTE: In some industries these types of trade items are commonly referred to as BULK.</p> <p>Examples: cold meats and cheese sold in butchers and delicatessens, fudge cut from bars, loose fruit and vegetables, grains, candy, fresh produce, fabric bolts, spooled chain or rope, nails or snacks.</p> <p>A fixed-measure reel of 100 metres of wire is sold from the supplier to the retailer. At the retailer, the consumer may either buy the entire 100-metre reel at a fixed price for the whole reel, or may request a length of wire to be cut to his requirement at a price per metre.</p> <p>A 10 pound case of candy sold to the retailer. The retailer puts this in bins and prices.</p>
PRE_PACKED	A variable-measure trade item which is provided with packaging that is assembled or produced by the

supplier or by the retailer in advance of sale to the consumer.

Examples: cheese and deli meats pre-packed and priced by the retailer, chicken breast pre-packed and priced by the supplier before delivery to the retailer, pre-packed fruit and vegetables sold by weight or count (not a fixed price per pack).

## 6. Business Document Example

NA

## 7. Implementation Considerations

### 7.1. Attributes With External Code Lists

Class Name	Item Name	Code List
ClassificationCategory	additionalClassificationAgencyName	Additional Classification Agency Name
EANUCCTradeItemClassification	eANUCCClassificationAttributeType Code	Classification Attribute Type Code
EANUCCTradeItemClassificationValue	eANUCCClassificationAttributeValue Code	Classification Attribute Value Code
ExternalFileLink	fileColourScheme	File Colour Scheme Code List
ExternalFileLink	filePrintWidth	Unit of Measure
ExternalFileLink	filePrintHeight	Unit of Measure
ExternalFileLink	filePixelHeight	Unit of Measure
ExternalFileLink	filePixelWidth	Unit of Measure
FileContentInformation	itemDepictionTypeCode	File Depiction Type Code List
FileContentInformation	fileItemPosition	File Item Position Code List
OrganicTradeItemCharacteristics	organicTradeItemCode	Organic Item Code
PackagingMaterial	packagingMaterialCodeListMaintenanceAgency	Household Packaging Recovery and Recycling Agencies
PackagingMarking	packageMarksHygienic	Package Marks Hygienic Code List
PackagingMarking	packagingMarksHygienic	packagingMarksHygienicCodeList
PackagingMaterial	packagingMaterialCode	Packaging Material Code List Maintenance Agency
PackagingMaterial	packagingMaterialPerformance	Packaging Material Performance Code List
PackagingMaterial	packagingTermsAndCondition	Packaging Terms and Conditions Reference 4.8.1
PackagingMaterial	returnableAssetsContainedQuantity	Unit of Measure
PackagingMaterial	returnableAssetCapacityContent	Unit of Measure
PackagingMaterial	averageDistanceTravelledToPointOfPackagingCode	averageDistanceTravelledToPointOfPackagingCodeList

Class Name	Item Name	Code List
PackagingType	packagingFunction	Packaging Function Type Code List
PackagingType	packagingTypeCode	Packaging Type Code
PackagingType	packagingUsableProductVolume	Unit of Measure
PegholeMeasurements	pegHoleCode	Peg Hole Type Code List
PriceOnTradeItem	retailPriceOnTradeItem	Codes for the repres.of agencies and codes ISO 4217;2001
TargetMarketInformation	targetMarketCountryCode	Country Codes ISO3166-1
TargetMarketInformation	targetMarketSubdivisionCode	Country Subdivision Code ISO3166-2
TaxAgency	taxApplicabilityCode	TaxApplicabilityCodeList
TaxAgency	taxApplicabilityCode	taxApplicabilityCodeList
TradeItemClassification	classificationCategoryCode	Classification Attribute Type Code
TradeItemColorDescription	tradeItemcolorDescription	Codes for the representation of names of languages -Part 1: Alpha-2 code- ISO 639-1
TradeItemColorDescription	colorCodeListAgency	Color Code List Agency
TradeItemContactInformation	contactType	Contact Type Code List
TradeItemCountryOfOrigin	countryOfOrigin	Country Codes ISO3166-1
TradeItemDescriptionInformation	functionalName	Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1
TradeItemDescriptionInformation	productRange	Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1
TradeItemDescriptionInformation	tradeItemDescription	Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1
TradeItemDescriptionInformation	Variant	Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1
TradeItemDescriptionInformation	descriptionShort	Codes for the representation of names of languages -Part 1: Alpha-2 code- ISO 639-1
TradeItemDescriptionInformation	invoiceName	Codes for the representation of names of languages -Part 1: Alpha-2 code- ISO 639-1
TradeItemDescriptionInformation	tradeItemFormDescription	Codes for the representation of names of languages -Part 1: Alpha-2 code- ISO 639-1

Class Name	Item Name	Code List
TradeltemDisplayDimensions	displayDimensionTypeCode	Display Dimension Type Code List
TradeltemDisplayDimensions	displayDimensionTypeCode	Display Dimension Type Code List
TradeltemEnvironmentalProperties	rOHSComplianceFailureMaterialCode	rOHSComplianceFailureMaterialCodeList
TradeltemHandlingInformation	handlingInstructionsCode	Handling Instructions - TBD
TradeltemHandlingInformation	stackingWeightMaximum	Unit of Measure
TradeltemHandlingInformation	minimumTradeltemLifespanFromTimeOfArrival	Unit of Measure
TradeltemHazardousInformation	aDRDangerousGoodsLimitedQuantitiesCode	ADR Dangerous Goods Limited Quantities Code List
TradeltemHazardousInformation	dangerousGoodsRegulationCode	Dangerous Goods Regulations - TBD
TradeltemHazardousInformation	classOfDangerousGoods	UN -Class of Dangerous Goods
TradeltemHazardousInformation	flashPointTemperature	UN/CEFACT Recommendation 20
TradeltemHazardousInformation	unitedNationsDangerousGoodsNumber	UNDG Number -DE7124
TradeltemMarking	hasBatchNumber	Batch Lot Number Indicator Code-TBD
TradeltemMeasurements	Depth	Unit of Measure
TradeltemMeasurements	Diameter	Unit of Measure
TradeltemMeasurements	drainedWeight	Unit of Measure
TradeltemMeasurements	grossWeight	Unit of Measure
TradeltemMeasurements	Height	Unit of Measure
TradeltemMeasurements	netContent	Unit of Measure
TradeltemMeasurements	netWeight	Unit of Measure
TradeltemOrientation	orientationType	Orientation Type Code List
TradeltemOrientation	orientationTypeCode	orientationTypeCodeList
TradeltemPalletInformation	palletTermsAndConditions	Pallet Terms and Condition
TradeltemPalletInformation	palletTypeCode	Pallet Type Code
TradeltemPriceDateInformation	cataloguePrice	Codes for the repres. of currencies and funds ISO 4217:2001
TradeltemPriceDateInformation	suggestedRetailPrice	Codes for the repres. of currencies and funds ISO 4217:2001
TradeltemScreenInformation	displayResolution	Display Resolution Code List
TradeltemScreenInformation	displayResolutionCode	displayResolutionCodeList
TradeltemSizeDescription	descriptiveSize	Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1

Class Name	Item Name	Code List
TradeItemSizeDescription	sizeCodeListAgency	Size Code List Agency
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMaximum	Unit of Measure
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMinimum	Unit of Measure
TradeItemTemperatureInformation	deliveryToMarketTemperatureMaximum	Unit of Measure
TradeItemTemperatureInformation	deliveryToMarketTemperatureMinimum	Unit of Measure
TradeItemTemperatureInformation	storageHandlingTemperatureMaximum	Unit of Measure
TradeItemTemperatureInformation	storageHandlingTemperatureMinimum	Unit of Measure
TradeItemTemperatureInformation	maximumToleranceLimitTemperature	Unit of Measure
TradeItemTemperatureInformation	minimumToleranceLimitTemperature	Unit of Measure
TradeItemTemperatureInformation	transportationMinimumTemperature	Unit of Measure
TradeItemTemperatureInformation	transportationMaximumTemperature	Unit of Measure
TradeItemTemperatureInformation	cumulativeHumidityInterruptionAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	cumulativeHumidityInterruptionAcceptableTimeSpanInstructions	Unit of Measure
TradeItemTemperatureInformation	cumulativeTemperatureInterruptionAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions	Unit of Measure
TradeItemTemperatureInformation	storageDropBelowMinimumHumidityAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	storageDropBelowMinimumTemperatureAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	storageMaximumHumidityAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	storageMaximumTemperatureAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	transportationDropBelowMinimumHumidityAcceptableTimeSpan	Unit of Measure
TradeItemTemperatureInformation	transportationMaximumHumidityAcceptableTimeSpan	Unit of Measure
TradingPartnerNeutralTradeItemInformation	serialNumberLocation	Serial Number Location Code List

## 7.2. External Code Lists

There are several code lists used within the EAN•UCC system that are maintained by agencies other than EAN•UCC. The code lists that are reference in this section apply to several attributes within the trade item as well as other business message standards.

### Language Code

The Trade Item BMS restricts the use to just the two character language code as specified in ISO 639-1; these codes are lower case.

### ISO Code Lists

The following ISO codes lists are used to represent languages (for text attributes), Country and Subdivision (for country of origin and target market), and currencies (for amounts), and the source for the code list.

ISO 639-1	Codes for the representation of names of languages -- Part 1:Alpha-2 code 2002 Available from: <a href="http://www.iso.ch">http://www.iso.ch</a> or <a href="http://www.loc.gov/standards/iso639-2/langcodes.html#ef">http://www.loc.gov/standards/iso639-2/langcodes.html#ef</a> See <b>Code List Source Bibliography</b> section of this document.
ISO 3166-1	Part 1 - Country Codes (Three Digit Format) Available from: <a href="http://www.iso.ch">http://www.iso.ch</a>
ISO 3166-2	Part 2 - Alpha Country Subdivision Code Available from: <a href="http://www.iso.ch">http://www.iso.ch</a>
ISO 4217	Codes for the representation of currencies and funds 2001 Available from: <a href="http://www.iso.ch">http://www.iso.ch</a>

GS1 has three choices for code values:

- Reference an external source like ISO.
- Maintain a code list unique to the GS1 system.
- Maintain a code list based on an external code list.

Any code list GS1 maintains will need to be accessible to the community and maintained in such a way as to be detached from the schema versioning. The end result is the code lists will be managed outside of the schemas in such a way to remain easy to update and allow for the syntax checking of code values as is done with enumerated lists.

### Unit of Measure

The Unit of Measure (UOM) code is used throughout the GS1. In order to provide the best value to the GS1 community the UOM code list will be maintained by GS1 for its community. It is

anticipated additional code values will be required. When the business requirements are defined additional code values can be added. The following is the starting point.

Code	Code Description
26	Actual Ton
15	Stick
58	Net Kilograms
59	Parts per Million: One ppm is equivalent to 1 milligram of something per litre of water (mg/l) or 1 milligram of something per kilogram soil (mg/kg).
64	Pounds per square inch gauge: a unit of pressure relative to the surrounding atmosphere.
1N	Count
2P	Kilobyte
4G	Microlitre
4L	Megabyte
AD	Byte
AF	Centigram
4H	Micrometre: a millionth of a metre
4N	Megabecquerel: 106 Bq1 Bq is defined as the activity of a quantity of radioactive material in which one nucleus decays per second.
ANN	Year: A unit of time comprising twelve contiguous months.
AS	Assortment
B8	Board
B10	Bit Per Second (measure of Bit Rate)
BA	Bale
BD	Bundle
BF	Board Feet
BG	Bag
BI	Bar
BL	Block
BN	Bulk
BO	Bottle
BR	Barrel
BTU	British thermal unit: a unit of heat energy defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.
BU	Bushel
BX	Box
C26	Millisecond: a measurement of time.

Code	Code Description
C3	Centilitre
C8	Cubic Decimetre
C18	Millimole: 1/1000 part of a mole (measure of the concentration of a solute). Used in the SI system.
CA	Case
CC	Cubic Centimetre
CE	Degrees Celsius (Centigrade)
CF	Cubic Feet
CG	Card
CHD	Centesimal Hahnemannian Dilution (CH): "CH Centesimal Scale Attenuation - One millilitre (1.0 ml) of the first centesimal liquid attenuation (1C), or one gram (1.0 g) of the first centesimal trituration (1C) represents 0.01 gram (10.0 mg) of the dry crude medicinal substance. Subsequent liquid or solid attenuations are made by serial progression, succussing or triturating one (1) part of the preceding attenuation to 99 parts of the vehicle, and represent the following proportions of active principle (i.e., dried medicinal substance): 2CH = 10 <sup>-4</sup> , 3CH = 10 <sup>-6</sup> .
CI	Cubic Inches
CM	Centimetre
CMK	Square Centimetre: unit of area equal to 0.0001 square metres.
CN	Can
CO	Cubic Meters(Net)
CQ	Cartridge
CR	Cubic Meter
CT	Carton
CU	Cup
CV	Cover
CW	Hundred Pounds (CWT)
D70	International Table Calorie
DA	Days
DG	Decigram
DK	Kilometre
DLT	Decilitre: A measure of capacity or volume in the metric system; one tenth of a litre, equal to 6.1022 cubic inches, or 3.38 fluid ounces..
DMK	Square Decimetre: a unit of area equal to 100 square centimetres.
DMT	Decimetre: a metric unit of distance equal to 10 centimetres
DO	Dollars, U.S.
DR	Drum
DRA	dram (US) One eighth part of an ounce.

Code	Code Description
DRI	dram (UK)
DS	Display
DZ	Dozen
E14	Kilocalorie (international table)
E34	Gigabyte
E37	Pixel
E39	Dots Per Inch
EA	Each
EV	Envelope
FA	Degrees Fahrenheit
FJ	Sizing Factor
FO	Fluid Ounce
FT	Feet
GA	Gallon
GR	Gram
GT	Gross Kilogram
GBQ	Gigabecquerel: gigabecquerel, 109 Bq. 1 Bq is defined as the activity of a quantity of radioactive material in which one nucleus decays per second.
H79	French Gauge: the unit of measure of the diameter. i.e. the diameter of a syringe (FR)
HC	Hundred Count
HD	Half Dozen
HL	Hundred Feet
HTZ	Hertz:
HUR	Hour: A period of time equal to 1/8th of a working day while an hour equals 1/24th of a calendar day.
IN	Inches
INK	Square Inch: a unit of area.
JOU	Joule: the unit of work or energy, defined to be the work done by a force of one newton acting to move an object through a distance of one meter in the direction in which the force is applied.
JR	Jar
K6	Kilolitre: a metric unit of volume. The kilolitre is identical to the cubic meter.
KE	Keg
KG	Kilogram
KJO	Kilojoule
KT	Kit

Code	Code Description
KVN	Korsakovian (K): K Centesimal Scale of Attenuation - One millilitre (1.0 ml) of the first centesimal liquid attenuation (1C), or one gram (1.0 g) of the first centesimal trituration (1C) represents 0.01 gram (10.0 mg) of the dry crude medicinal substance. Subsequent liquid or solid attenuations are made by serial progression, succussing or triturating one (1) part of the preceding attenuation to 99 parts of the vehicle, and represent the following proportions of active principle (i.e., dried medicinal substance): 2CH = 10-4, 3CH = 10-6.
KWH	Kilowatt hour: a commercial unit of electric energy. One kilowatt hour represents the amount of energy delivered at a rate of 1000 watts over a period of one hour.
KWT	Kilowatt: a unit of power, equivalent to 1000 watts.
LB	Pounds
LF	Linear Foot
LK	Link
LM	Linear Meter
LR	Layer(s)
LT	Litre
MAW	Megawatt: a unit of power. One megawatt is equal to one million watts.
MC	Microgram
ME	Milligram
MIK	Square Mile: a unit of area. One square mile is equal to 640 acres, 3 097 600 square yards, 258.9988 hectares.
MIN	Minute: a measurement of time.
ML	Millilitre
MLM	Millesimal (LM): LM - FIFTY MILLESIMAL SCALE OF ATTENUATION One millilitre (1.0 ml) of the first fifty millesimal attenuation (1LM) represents 6.20 x 10-11 of dry crude medicinal substance. Impregnate the lactose in a proportion of 1 to 100 beginning with the liquid substance (mother tincture), then triturate. The second and third triturations are carried out in the same way as when starting with solid products.
MTC	Mother Tincture: A count of a dry crude medicinal substance. Mother tincture when used for homeopathic preparations are liquid preparations obtained by the solvent action of a suitable vehicle upon raw materials. The raw materials are usually in the fresh form but may be dried. Mother tinctures for homeopathic preparations may also be obtained from plant juices, with, or without the addition of a vehicle.
MM	Millimetre
MMK	Square Millimetre: a unit of area equal to .001 centimetres.
MMQ	Cubic Millimetre
MON	Month: a unit of time equal to 28-31 days.
MP	Metric Ton
MR	Meter
MX	Mod Pallet (Mixed)

Code	Code Description
NGM	Nanogram: one billionth (1/1,000,000,000) of a gram.
NIU	Number of International Unit: An internationally agreed upon standard, as measured by bioassay, to which samples of a substance, as a drug or hormone, are compared to ascertain their relative potency.
NT	Trailer
OZ	Ounces
P1	Percent
PA	Pail
PAL	Pascal: a unit of pressure. The pascal is the standard pressure unit in the MKS metric system, equal to one newton per square meter or one "kilogram per meter per second per second.
PC	Piece
PE	Pounds Equivalent
PG	Pound Gross
PH	Pack
PK	Package
PL	Pallet
PN	Pounds Net
PNT	Point: Used to express a credit earned by a party as part of an incentive program.
PPC	Pixels Per Centimetre
PPI	Pixels Per Inch
PR	Pair
PS	Pounds force per square inch: a unit of pressure. 1 PS equals 144 pounds per square foot (psf).
PT	Pint
PTN	Portion
PY	Peck, Dry U.S.
QS	Quart Dry
QT	Quart
RL	Roll
SEC	Second: a measurement of time.
SF	Square Foot
SH	Sheet
SM	Square Meter
SMI	Mile (statute mile): a unit of distance equal to 1760 yards.
SPS	Sample Per Second
ST	Set

Code	Code Description
SX	Shipment
SY	Square Yard
TE	Tote
TK	Tank
TM	Thousand Feet
TY	Tray
UN	Unit
UY	Fifty Square Feet
UZ	Fifty Count
V2	Pouch
WEE	Week: a unit of time equal to a seven day period.
WTT	Watts: a unit of power. One watt is equal to a power rate of one joule of work per second of time.
YD	Yard
Z51	Application (e.g. in hair colorant, 6 applications)
Z52	Usage (e.g. in laundry, 24 usage)

### Additional Classification Agency Name

Code List Name	Code List Description
Additional Classification Agency Name	Part of AdditionalClassification class. This is a GS1 maintained code List.
Code Name	Code Description
1	GXS Product Data Quality (Formerly UDEX LTD)
2	IRI
3	AC Nielsen
4	ECCC Interim Class Codes
5	UNSPSC – United Nations Standard Products and Services Code
6	UNSPSC - Electronic Commerce Code Management Association
7	EAN Norges Multibransje Varegruppestandard - The ENVA code is used for classification and categorising of goods and it is used as an alternative to the GPC codes in the Norwegian marketplace
8	Supplier Assigned – A manufacturer's own codification system
9	AMECE – Code system used in the GS1 Mexico market
10	CCG - Code system used in the GS1 Germany market
11	EANFIN - Code system used in the GS1 Finland market
13	IFLS5 - Code system used in the GS1 France market
14	CBL - Code system used in the GS1 Netherlands market
15	Catalogue Item Information Service of Japan JICFS. Classification system maintained by GS1 Japan and used mainly on the Japanese market.
16	<p>European Union. The economic association of over a dozen European countries which seek to create a unified, barrier-free market for products and services throughout the continent.</p> <p>Category of product eligible for EU subsidy (applies for certain dairy products with specific level of fat content.</p> <p>1 Category I – full milk (&gt;3,5 % fat)</p> <p>2 Category II – standard milk (3,0 – 3,5 % fat)</p> <p>5 Category V – medium fat milk (1,5 – 1,8 % fat)</p> <p>7 Category VII – low fat milk (&lt;0,5 % fat)</p> <p>9 Category IX – other hard cheese (minimum 45% fat)</p> <p>This code list may be subject to change. For information on the latest version refer to the EU administration (in Sweden <a href="http://www.jordbruksverket.se">www.jordbruksverket.se</a>)</p>
17	GS1 Spain. A product classification system maintained by GS1 Spain and used in the Spanish Market.

18	GS1 Poland. A product classification system maintained by GS1 Poland.
19	Federal Agency on Technical Regulating and Metrology of the Russia Federation: A Russian government agency that serves as a national standardization body of the Russian Federation.
20	Efficient Consumer Response (ECR) Austria
21	GS1 Italy
22	Common Procurement Vocabulary (CPV) was introduced in 1996 as a means of raising the level of transparency and efficiency in the field of public acquisition. The use of the standard names of the CPV facilitates the marking of the procurement contracts they are interested in. In addition, CPV facilitates the swift and exact translation of contract information for publication in the official EU Bulletin as well as the preparation of procurement statistics. The CPV code consists of eight characters as well as a control character. It is managed by the Office for Official Publications of the European Communities (OPOCE).
23	International Foodservice Distributors Association (IFDA)
24	American Hospital Formulary Service AHFS Pharmacologic - Therapeutic Classification© (AHFS)
25	Anatomical Therapeutic Chemical classification (ATC)
26	Classification des Dispositifs Médicaux (ClDiMed)
27	Canadian Medical Device Regulations (CMDR)
28	Classificazione Nazionale dei Dispositivi Medici (CND)
30	UK Dictionary of Medicines & Devices( DM&D) Standard Coding Scheme
31	eCI@ss: Standardized Material and Service Classification and Dictionary
32	Classification for in vitro diagnostics medical devices (EDMA)
33	European Generic Article Register Classification (EGAR ) standard for medical devices
34	IMS Healthcare Generic Product Classification
35	Global Medical Devices Nomenclature (GMDN)
36	Generic Product Identifier (GPI). A drug code list managed by Medi-Span.
37	Healthcare Common Procedure Coding System (HCPCS): Pronounced as Hick Picks.
38	International Classification for Patient Safety (ICPS). For use in Field Testing in 2007-2008 (WHO).
39	Medical Dictionary for Regulatory Activities (MedDRA): An international terminology employed by the pharmaceutical industry, medical product industry and regulatory agencies throughout the entire drug development process and product post marketing activities. The current version of MedDRA (version 10.0) contains a total of 84,906 unique terms.

	MedDRA terminology was developed under the auspices of the International Conference on Harmonization (ICH) of Technical Requirements for Registration of Pharmaceuticals for Human Use and is a registered trademark of the International Federation of Pharmaceutical Manufacturers Associations (IFPMA).
40	Medical Columbus: German Medical classification system.
41	North American Classification System (NAPCS)
42	National Health Service (NHS) eClass: NHS-eClass is a bespoke classification system for products and services, owned by the English National Health Service (NHS). The purpose of NHS-eClass is to facilitate the accurate analysis of expenditure.
43	US FDA Product Code Classification Database: The Product Classification Database contains medical device names and associated information developed by the Center for Devices and Radiological Health (CDRH) in support of its mission. This database contains device names and their associated product codes. The name and product code identify the generic category of a device for FDA. The Product Code assigned to a device is based upon the medical device product classification designated under 21 CFR Parts 862-892.
44	The Society of Hospital Pharmacists of Australia (SHPA)
45	Systematized Nomenclature of Medicine-Clinical Terms ( SNOMED CT® )
46	Universal Medical Device Nomenclature System (UMDNS)
47	DTB (fashion) Dialog Textil – Bekleidung (DTB) a German group of companies who joined forces for the TC sector. The product classification can be found on their website <a href="http://www.dialog-dtb.de">http://www.dialog-dtb.de</a> if you are a member.
48	FEDAS (sport) FEDAS represents the trans-border interests of specialist sports retailers forming part of associations in European countries. It provides services for members and third parties and is a dialogue partner for all questions concerning specialist sports retailing in Europe zie
49	EAS (footwear) European Article System: A harmonised system to classify and process the characteristics of shoes across Europe.

#### ADR Dangerous Goods Limited Quantities Code

Code List Name	Code List Description
ADR Dangerous Goods Limited Quantities Code List	A grouping of LQ codes defined by RID and ADR specifying whether some dangerous goods can be packaged in small quantities providing they are packaged and labelled in accordance with certain requirements.
Code Name	Code Description
NOT_POSSIBLE	A code equal to ADR LQ0 (No Exemption)
POSSIBLE	A grouping of ADR codes (LQ1 - LQ28) where exemptions are possible under certain circumstances.
USED	An exemption exists and the manufacturer uses the possible facilitation.

#### Average Distance Travelled to Point of Packaging Code

Code List Name	Code List Description
Average Distance Travelled To Point Of Packaging Code List	The average distance each packaging material travelled from the packaging material supplier to the point where the product and packaging are combined to form the trade item.
Code Name	Code Description
1	0-4 miles/ 0-6.44 kilometres
2	Over 4 to 500miles/ Over 6.44 to 804 kilometres
3	Over 500 to 3000miles/ Over 804k to 4828 kilometres
4	Over 3000 miles/4829 kilometres

#### Brand Distribution Type Code

Code List Name	Code List Description
Brand Distribution Type Code List	.A code list depicting how the trade item brand can be sold to consumers.
Code Name	Code Description
RESTRICTED_DISTRIBUTION	The Data Source has restrictions on where, how and/or to whom the product may be sold.
UNRESTRICTED_DISTRIBUTION	The Data Recipient has the permission to sell the Trade Item as per their trading partner agreement.

## Color Code List Agency

Code List Name	Code List Description
ColorCodeListAgency	This is a GS1 maintained code List. Values include:
Code Name	Code Description
1	<p>National Retail Federation – Standard Colour &amp; Size Codes</p> <p>This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems.</p> <p><a href="http://www.nrf.com">http://www.nrf.com</a></p>
2	<p>PANTONE MATCHING SYSTEM</p> <p>The definitive international reference for selecting, specifying, matching and controlling ink colours. The PANTONE formula guide, a three-guide set consisting of 1,114 solid PANTONE Colours on coated, uncoated and matte stock, shows corresponding printing ink formulas for each colour, and the three-book set of solid chips provides coated, uncoated and matte perforated tear-out chips that can be used for quality control.</p> <p>Pantone® Inc</p> <p><a href="http://www.pantone.com">http://www.pantone.com</a></p>
3	<p>PANTONE Process Colour System®</p> <p>Provides a comprehensive palette of more than 3,000 colours achievable in four-color (CMYK) process printing. The PANTONE solid to process guide compares a solid PANTONE Colour to the closest possible match in CMYK four-color process that can be achieved on a computer monitor, output device or printing press. Other PANTONE Colour Reference Guides for the graphic arts include metallic, pastels, tints, duotones, film and foil.</p> <p>The PANTONE Hexachrome® Color System</p> <p>Pantone® Inc</p> <p><a href="http://www.pantone.com">http://www.pantone.com</a></p>
4	<p>The PANTONE Hexachrome® Color System</p> <p>A six-colour ultra high quality printing process, reproduces a dynamic range of more brilliant continuous-tone images and simulates brighter, more vivid colours than standard four-color process printing</p> <p>Pantone® Inc</p> <p><a href="http://www.pantone.com">http://www.pantone.com</a></p>
5	<p>PANTONE TEXTILE Colour System®</p> <p>A vital tool for designers in the apparel, home furnishings and interior design industries for selecting and specifying colour used in the manufacture of textiles and fashion. The System - consisting of 1,932 colours in cotton or paper format - is ideal for</p>

	assembling creative palettes and conceptual colour schemes, and for providing colour communication and control in the manufacturing process. In January of 2001 Pantone Inc. included the NRF Colour Codes into the PANTONE TEXTILE Color System. Pantone® Inc <a href="http://www.pantone.com">http://www.pantone.com</a>
6	Assigned by Buyer
7	Assigned by Seller
8	WWS: (Waren Wirtschafts System): A colour code system used in Germany for the standardisation of colours within the fashion/apparel sector.

#### Consumer Sales Condition Code

Code List Name	Code List Description
Consumer Sales Condition Code List	A restriction expressed as a code imposed on the Trade Item on how it can be sold to the consumer.
Code Name	Code Description
BTC	Behind the Counter- products that are sold without a prescription but must be distributed through a pharmacy.
OTC	Over the Counter- products that may be sold without a prescription. These products are generally available without restrictions.
PRESCRIPTION_REQUIRED	Trade item may only be sold or dispensed under the direction of a prescription.

#### Contact Type Code List

Code List Name	Code List Description
Contact Type Code List	A general category for the type of contact.
Code Name	Code Description
ADMINISTRATIVE	This code specifies that this contact is of the type "Administrative".
CONSUMER_SUPPORT	The party which provides product support to the end user of a trade item or a service.
CUSTOMER_SUPPORT	The party which provides product support to the trading partner party to which merchandise is sold.
EMERGENCY	A contact where information is available on how to proceed in case of an accident occurring while working with the dangerous substance.
FINANCIAL	This code specifies that this contact is of the type "Financial".

Code List Name	Code List Description
LICENSEE_REGISTRAR	The party having legal responsibility for the product in the target market. This party is responsible for licensing and regulations within the target market and can be the manufacturer, importer, sales agent or broker.
LOGISTICS	This code specifies that this contact is of the type "Logistics".
MANAGEMENT	This code specifies that this contact is of the type "Management".
OPERATIONS	This code specifies that this contact is of the type "Operations".
OTHER	This code specifies that this contact is of the type "Other".
PURCHASING	This code specifies that this contact is of the type "Purchasing".
TRANSPORT	This code specifies that this contact is of the type "Transport".
UNSPECIFIED	Value not stated.

#### Dangerous Substances Water Solubility Code

Code List Name	Code List Description
Dangerous Substances Water Solubility Code List	A code list indicating the solubility or miscibility in respect with water.
Code Name	Code Description
DISPERSIBLE	Dispersing agents have been added to the substance. Dispersing agents are added to process liquids to prevent unwanted deposits by keeping them finely dispersed. They function in both aqueous and non-aqueous media.
EMULSIFIABLE	An emulsion is a mixture of two immiscible (unblendable) liquids. One liquid is dispersed in the other. Many emulsions are oil/water emulsions, with dietary fats being one common type of oil encountered in everyday life. Examples of emulsions include butter and margarine, milk and cream, and vinaigrettes. In butter and margarine, fat surrounds droplets of water (a water-in-oil emulsion). In milk and cream, water surrounds droplets of fat (an oil-in-water emulsion).
INSOLUBLE	The substance is not capable of being dissolved in a solvent.
NOT_OR_HARDLY_MISCIBLE	The substance is immiscible or nearly immiscible. Substances are said to be immiscible if in any proportion, they do not form a solution. For example, diethyl ether is fairly soluble in water, but these two solvents are not miscible since they are

Code List Name	Code List Description
	not soluble in all proportions.
SUSPENDED	<p>The substance is in suspension. A suspension is a homogeneous fluid containing solid particles that are sufficiently large for sedimentation. When the solid is mixed with liquid, suspended particles will eventually settle. An example of a suspension would be sand in water. The suspended particles are visible under a microscope and will settle over time if left undisturbed.</p> <p>A suspension of liquid droplets or fine solid particles in a gas is called an aerosol. In the atmosphere these consist of fine dust and soot particles. "</p>
WATER_SOLUBLE	The substance is soluble. Solubility is the ability of a given substance to dissolve in a solvent. It is measured in terms of the maximum amount of solute dissolved in a solvent at equilibrium. Certain liquids are soluble in all proportions with a given solvent, such as ethanol in water.

#### Display Dimension Type Code

Code List Name	Code List Description
DisplayDimensionTypeCodeList	Depicts the display condition used for product measurement.
Code Name	Code Description
IN_PACKAGE	Product is measured as the package was supplied.
OUT_OF_PACKAGE	<p>Product is removed from consumer packaging, assembled if necessary for final use and its dimensions.</p> <p>For example: Computer desk; entertainment centre; microwave oven; lawnmower; a floor cleaner; a grouping of table and chairs; stove; telephone; camera; large appliance (e.g. washing machines); small appliance (e.g. food processors).</p>
RETAIL_DISPLAY	<p>Product is measured as modified for display.</p> <p>For example: Display Ready Packaging with fold-up lid or fold-forward front; a box of chocolate bars with display flap; display stand for dishware; merchandise for consumer purchase that is in a 'display' carton that requires modification, such as a product in cans contained within a carton; free-standing displays for a variety of grocery products, candles, decorative items like picture frames); a laptop computer.</p>

### Display Resolution Code List

Code List Name	Code List Description
DisplayResolutionCodeList	The pixel dimensions associated with a television or monitor screen.
Code Name	Code Description
320_200	320 by 200
320_240	320 by 240
480_I	480i (720 by 480 split into two 240-line fields)
480_P	480p (720 by 480)
640_480	640 by 480
720_I	720i
720_P	720p (1280 by 720)
720_480	720 by 480
768_576	768 by 576
800_600	800_600
854_480	854 by 480
1080_I	1080i
1080_P	1080p (1920 by 1080 progressive scan)
1024_768	1024 by 768
1152_768	1152 by 768
1280_720	1280 by 720
1280_854	1280 by 854
1280_960	1280 by 960
1280_1024	1280 by 1024
1400_1050	1400 by 1050
1440_900	1440 by 900
1440_960	1440 by 960
1600_1200	1600 by 1200
1680_1050	1680 by 1050
1920_1080	1920 by 1080
1920_1200	1920 by 1200
2048_1536	2048 by 1536
2560_1600	2560 by 1600
2560_2048	2560 by 2048

### File Colour Scheme Code

Code List Name	Code List Description
File Colour Scheme Code List	The type of colour scheme used in the digital asset.
Code Name	Code Description
CMY	Cyan, Magenta, Yellow
CMYK	Cyan, Magenta, Yellow, Black
HSV	A colour model that describes colours in terms of hue (or "tint"), saturation (or "shade") and value (or "tone" or

	"luminance").
HMMD	Hue, Max, Min, Difference
MONOCHROME	A monochromatic object or image is one whose range of colours consists of shades of a single colour or hue; monochrome images in neutral colours are also known as gray scale or black-and-white.
RGB	Red, Green, Blue
RGBA	Red, Green, Blue, Alpha
UNSPECIFIED	Value not stated.
YCBCR	Luminance, Blue and Red Chromaticity

#### File Depiction Type Code

Code List Name	Code List Description
File Depiction Type Code List	The state of the item (e.g. assembled) as it is being depicted in the digital assets.
Code Name	Code Description
ASSEMBLED	The item has been put together.
GIFT_WRAPPED	The item has been wrapped as a gift, with decorative paper, ribbon, etc.
OTHER	Other
UNSPECIFIED	Value not stated.

#### File Item Position

Code List Name	Code List Description
File Item Position Code List	A code list depicting how the item is placed in the digital asset.
Code Name	Code Description
HELD	The item is being held by a model.
LIMBO	The item is suspending in such a fashion as to appear to have nothing holding it.
OTHER	Other
PROPPED	The item is propped or leaning against some other object.
UNSPECIFIED	Value not stated.

### Organic Trade Item Code

Code List Name	Code List Description
Organic Trade Item Code	This is a GS1 maintained code List.
Code Name	Code Description
1	100% Organic
2	Organic (at least 95% by weight)
3	Made with organic ingredients (at least 70% by weight)
4	Some organic ingredients (less than 70% by weight)
5	Not Organic
6	In conversion (products presently in conversion to the organic standard)
7	Bio Dynamic (a cousin to the organic system)
8	Disqualified (GTINs that violate organic principles, with attributes such as isTradeItemGeneticallyModified or isTradeItemIrradiated being true)

### Organic Claim Agency

Code List Name	Code List Description
Organic Claim Agency	This is a GS1 maintained code List.
Code Name	Code Description
1	EPA – US Environmental Protection Agency
2	FSA – UK Food Standards Agency
3	FDA – US Food and Drug Agency
4	International Foundation for Organic Agriculture
5	BFA - Biological Farmers of Australia

### Orientation Type Code List

Code List Name	Code List Description
Orientation Type Code List	Depicts the display condition used for product measurement.
Code Name	Code Description
BAF_000	Back face, rotate clockwise 0°
BAF_090	Back face, rotate clockwise 90°
BAF_180	Back face, rotate clockwise 180°
BAF_270	Back face, rotate clockwise 270°
BOF_000	Bottom face, rotate clockwise 0°
BOF_090	Bottom face, rotate clockwise 90°
BOF_180	Bottom face, rotate clockwise 180°
BOF_270	Bottom face, rotate clockwise 270°
FRF_000	Front face, rotate clockwise 0°

FRF_090	Front face, rotate clockwise 90°
FRF_180	Front face, rotate clockwise 180°
FRF_270	Front face, rotate clockwise 270°
LEF_000	Left face, rotate clockwise 0°
LEF_090	Left face, rotate clockwise 90°
LEF_180	Left face, rotate clockwise 180°
LEF_270	Left face, rotate clockwise 270°
RIF_000	Right face, rotate clockwise 0°
RIF_090	Right face, rotate clockwise 90°
RIF_180	Right face, rotate clockwise 180°
RIF_270	Right face, rotate clockwise 270°
TOF_000	Top face, rotate clockwise 0°
TOF_90	Top face, rotate clockwise 90°
TOF_180	Top face, rotate clockwise 180°
TOF_270	Top face, rotate clockwise 270°

#### Packaging Function Code List

Code List Name	Code List Description
Packaging Function Code List	A code that is used to identify functionality for packaging resulting from specific processes or features present in the packaging type.
Code Name	Code Description
ANTI_TAMPERING	A methodology used to hinder, or deter unauthorized access to a device.
ANTISEPTIC	The process by which a sterile (aseptic) product (typically food or pharmaceutical) is packaged in a sterile container in a way which maintains sterility.
COATED	Covered with a material (paraffin, wax) that protects the product or packaging.
COMPRESSED	Content has been pressed together to the maximum possible way.
GIFT_WRAPPED	Packaging is wrapped in a decorative way for the purposes of the consumer giving it as a gift.
ISOTHERMIC	Thermal carry container designed for the carriage of temperature controlled goods such as vaccines, pharmaceuticals, and medicines.
MODIFIED_ATMOSPHERE	The practice of modifying the composition of the internal atmosphere of a package, (commonly food packages, and drugs) in order to improve the shelf life.
OXYGEN_INFUSED	A barrier packaging material for an infusion solution, i.e., oxygen.
PEEL_OFF	A section of the packaging can be detached with ease in order to have access to the content or product, e.g. peel-off Lids used for packing Milk, Coffee and Cacao Powder.
PINPACK	The package is equipped to be hung up on a hook".
PROTECTED	Functionality to keep from being damaged, attacked, stolen, or injured; guard.
SIFT_PROOF	Packaging is designed to prevent leaking of the content specially when it is on powdered or liquid state.
REINFORCED	A component is added to a container for a particular

	application to lend additional support under severe applications.
TAMPER_EVIDENT	The packaging is designed to show when there has been some interference with the original sealing or configuration of the packaging.
WATER_RESISTANT	Coated with materials that make the packaging impervious to the effects of water.

#### Package Marks Hygienic Code List

Code List Name	Code List Description
Package Marks Hygienic Code List	Indicates the hygienic marking that is present on the product package. Hygienic markings are defined as those related to packaging conditions or practices intended to the preservation or promotion of health.
Code Name	Code Description
EXTREMELY_CLEAN	The package is physically marked as extremely clean which slightly lower level of cleanness than sterile is. This means that it is free from bacteria and other microorganisms to a level defined as extremely clean by the appropriate authorities of the target market.
STERILE	The package is physically marked as sterile, which is the highest level of cleanness. This means that it is free from bacteria and other microorganisms to a level defined as sterile by the appropriate authorities of the target market.

#### Packaging Material Code, Packaging Material Code List Maintenance Agency

Packaging Material Code	The code specifying the packaging material from the code list identified in packagingMaterialCodeListMaintenanceAgency when it contains a value of "E".
Code Name	Code Description
01	Aluminium
03	Hard Wood
04	As Specified by the DOT
05	Soft Wood
07	Burlap
10	Chemically Hardened Fibre
13	Cloth
16	Cloth Top
19	Cloth or Fabric
22	Compressed
25	Corrugated or Solid
28	Double-wall Paper

31	Fibre
34	Fibre (Paperboard)
37	Fiberboard
40	Fiberboard Metal
43	Glass
46	In Inner Containers
48	Wire/Cord Something that binds, ties, or encircles the package/container to secure and maintain unit integrity
49	Insulated
50	Steel - Vinyl Coated Steel that has been covered with a plastic material
51	Wire Mesh
52	Iron or Steel
53	Jumbo
54	Special Jumbo
55	Lead
58	Metal
59	Metal Cans
61	Moisture Resistant
64	Molded Plastic
67	Multiple-wall Paper (2 or more walls)
70	Multiple-wall Paper (3 or more walls)
71	Not Otherwise Specified
72	Paper – VCI Water-resistant paper that is treated by the addition of materials to provide resistance to damage or deterioration by water in liquid form
73	Other than Glass
74	Other than Metal or Plastic Tubes, or Glass
75	Plastic - Vacuum Formed Packaging material that is formed by heating plastic sheet and drawing it against the mold surface by evacuating the air between the sheet and the mold
76	Paper
77	Plastic - Structural Foam A method of manufacturing containers and shipping devices by mixing plastic resins with a foaming agent, heating it and injecting the mix into a two-piece machined aluminium mold

78	Plastic - Injection Molded Packaging material that is formed by melting the material and then forcing it under pressure into a cavity of a closed mold
79	Plastic
80	Polyethylene Lined
81	Plastic – Virgin Plastic in the form of pellets, granules, powder, floc, or liquid that has not been subjected to use or processing other than for its initial manufacture
82	Pulpboard
83	Plastic – Regrind A plastic prepared from discarded articles that have been reprocessed, often changing some of its original properties
84	Polystyrene A polymer prepared by the polymerization of styrene as the sole monomer
85	Rubber
86	Foam In packaging, a cushioning material used to reduce shock and vibration or abrasion
88	Rubber and Fabric
89	Special
90	Standard
91	Stainless Steel
92	Tubes, Metal or Plastic
94	Wood
95	Single Wall Corrugated Board The structure formed by one corrugated inner member between two flat facings; also known as double face
96	Double Wall Corrugated Board The structure formed by three flat facings and two intermediate corrugated members

Code List Name	Code List Description
Packaging Material Code List Maintenance Agency	Part of PackagingMaterialType class. It is String 1 to 3 characters. This should be a GS1 maintained code List.
Code Name	Code Description
1	UN/CEFACT – Recommendation 21 Codes for Passengers, Types of Cargo, Packages, and Packaging Material.

	Available at <a href="http://www.unece.org/cefact/">http://www.unece.org/cefact/</a>
E	EAN•UCC maintained Packaging Material code list.

### Packaging Material Performance Code

Code List Name	Code List Description
Packaging Material Performance Code	A status of packaging performance based on testing in relationship to minimizing Trade Item damages.
Code Name	Code Description
1	First submission of packaging (use for new trade items or existing trade items without packaging changes.
2	Similar or equal to current packaging (use if there is no change to the performance of the packaging.
3	Improved packaging performance (use if the new packaging improves the performance than the previous packaging.
4	Reduced packaging performance (use if the new packaging reduces the performance than the previous packaging

### Packaging Terms and Conditions

Code List Name	Code List Description
Packaging Terms And Conditions	The BRD states authorized values based on EANCOM 7073, X12 DE102 and X12 DE399. The following list represents DE 7073 and DE399; DE102 does not apply. This should be a GS1 maintained code List.
Code Name	Code Description
1	Packaging cost paid by supplier The cost of packaging is paid by the supplier
2	Packaging cost paid by recipient. The cost of packaging is paid by the recipient
3	Packaging cost not charged (returnable) There is no charge for packaging because it is returnable.
4	Safe return deposit A deposit paid to guarantee the safe return of the package.
5	Not reusable The package is not reusable. The equipment may only be used once and is not reusable for the purpose for which it was designed
6	Package exchangeable at the point of delivery The package may be exchanged at the point of delivery.

7	Repack in Code identifying that goods should be repacked from the identified package.
8	Unpack from Code identifying that goods should be unpacked from the identified package.
9	Pack in Code identifying that goods should be packed from the identified package.
10	Rented The package has been/will be rented from a rental agency (e.g. CHEP pallets).
11	Labelled The package is labelled
12	Recycling Fee Paid Identifies that the package recycling fee for a trade item has already been paid when the item is sold to the retailer.

#### Packaging Type Code

Code List Name	Code List Description
Packaging Type Code	The BRD states "List of authorized code values based on UN-ECE 21 Recommendations", however the attribute with code list table suggest a merger of ANSI DE 103 and EANCOM DE 7065. It would be a very large list to combine DE103 and DE7065 because DE103 is a two-part list.  Recommend using ANSI DE 103 Part 1 – Packaging Form and making it a GS1 maintained code list. This seems to be more in line with the intent of this attribute and packagingMaterialCode
AAA	Pallet, Returnable
AAB	Splash Blend Splash blending is the mixing of two gasoline products, of different octane levels, in a tank on the delivery vehicle to produce a third blended grade of motor fuel for resale
AE	Aerosol
AMM	Ammo Pack
AMP	Ampoule
AT	Atomizer
ATH	Attachment In containers and shipping devices, a component that can be added to provide additional functionality or security as required by the contents or method of transportation/handling
BAG	Bag
BAL	Bale

BBL	Barrel
BRC	Bracing Material or devices used to hold articles or sections of loads in position to prevent shifting during transportation
BDG	Banding Something that binds, ties, or encircles the package/container to secure and maintain unit integrity
BDL	Bundle
BEM	Beam
BIC	Bing Chest
BIN	Bin
BLK	Bulk
BLT	Belting As pertains to containers and shipping devices, a method of securing the contents to the conveyance device (or securing components of the shipping device to each other) using one or more bands of flexible material having high-tensile strength and a buckle or ratchet device for removing slack and maintaining tension
BME	Blister Pack
BOB	Bobbin
BOT	Bottle
BOX	Box
BRG	Barge
BSK	Basket or hamper
BXI	Box, with inner container
BXT	Bucket
CAB	Cabinet
CAG	Cage
CAN	Can
CNA	Household Goods Container, Wood
CAR	Carrier
CAS	Case
CBC	Containers of Bulk Cargo
CBY	Carboy
CCS	Can Case
CG	Card
CHE	Cheeses
CHS	Chest
CLD	Car Load, Rail
CMS	Clamshell

CNB	Container, MAC-ISO, LT. WGT. 8x8x20 Foot Air
CNC	Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift
CNE	Container, Engine
CNF	Container, Multi-walled, Secured to Warehouse Pallet
CNT	Container
COL	Coil
CON	Cones
COR	Core
CRD	Cradle
CRF	Corner Reinforcement Usually in boxes or crates, additional material or components attached to adjacent panels to add support or prevent crushing or separation
CRT	Crate
CSK	Cask
CTN	Carton
CX2	CONEX A reusable container for shipment of cargo
CU	Cup
CYL	Cylinder
DBK	Dry Bulk
DRK	Double-length Rack
DRM	Drum
DSK	Double-length Skid
DTB	Double-length Tote Bin
DUF	Duffelbag
EGG	Egg Crating In containers and shipping devices, usually describes a type of interior dunnage which allows the contents to be individually segregated, horizontally and vertically, to provide protection during transportation and storage
ENV	Envelope
EPR	Edge Protection A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling
FIR	Firkin
FLO	Flo-bin
FRM	Frame
FSK	Flask

FWR	Forward Reel
HPR	Hamper
HPT	Hopper Truck
HRB	On Hanger or Rack in Boxes
HRK	Half-Standard Rack
HTB	Half-Standard Tote Bin
INT	Intermediate Container
JAR	Jar
KEG	Keg
KIT	Kit
KRK	Knockdown Rack
KTB	Knockdown Tote Bin
LAB	Label Tag
LID	Lip/Top In packaging, the top or bottom of a container, usually the part that closes the opening; may also be known as cap, over, or top
LIF	Lifts
LNR	Liners Any material that separates a product within a container from the basic walls of the container
LOG	Log
LSE	Loose
LUG	Lug
LVN	Lift Van
MIX	Mixed Container Types More than one type of container is included in a shipment (shipment could consist of 3 pieces that include 1 box, 1 crate, and 1 basket)
ML2	MILVAN A military owned demountable container that conforms to US and international standards and operates in a centrally controlled fleet for movement of military cargo
MPE	Multipack
MRP	Multi-Roll Pack
MS2	MSCVAN A commercial (leased) or Government-owned shipping container controlled by the Military Sealift Command.
MXD	Mixed
NOL	Noil
PA	Packet
PAF	Pallet – 4 Way

	A pallet that permits entry of handling equipment on each of its four sides
PAL	Pail
PAT	Pallet - 2 Way A pallet that permits entry of handling equipment on opposing two of its four sides
PCK	Packed - not otherwise specified
PCS	Pieces
PIR	Pirns
PKG	Package
PLC	Primary Lift Container The largest (outermost) unitized package or articles secured together that can be handled (usually mechanically) in common shop floor/warehouse applications as a single entity; "primary" indicates preferred or mandatory
PLF	Platform
PLN	Pipeline
PLT	Pallet
PO	Pouch
POV	Private Vehicle
PRK	Pipe Rack
PRT	Partitioning The proceeds of applying separators or dividers
PUN	Punnet
PWT	Plastic-Wrapped Tray
RAL	Rail (Semiconductor)
RCK	Rack
REL	Reel
RFT	Reinforcement In containers and shipping devices, a component (usually temporary) added to a container for a particular application to lend additional support under severe applications
ROL	Roll
RVR	Reverse Reel
SAK	Sack
SCS	Suitcase
SHK	Shook
SHT	Sheet A thin layer of material usually used as a pad for extra protection by isolating/separating tiers or layers of parts within the package
SKD	Skid

SKE	Skid, elevating or lift truck
SLP	Slip Sheet Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation
SLV	Sleeve
SPI	Spin Cylinders
SPL	Spool
SPR	Separator/Divider In packaging, any material inserted between tiers or layers of articles to prevent contact and provide protection
SRW	Shrink Wrap In packaging, a method of securing a unit load by placing a large "bag" of plastic film over the components and applying heat to induce shrinkage and cause the bag to tighten around the contents
STW	Stretch Wrap In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity
SV2	SEAVAN A commercial or government-owned (or leased) shipping container which is moved via ocean transportation without wheels attached and is lifted on and off a ship
TBE	Tube
TBN	Tote Bin
TKR	Tank Car
TKT	Tank Truck
TLD	Intermodal Trailer/Container Load (Rail)
TNK	Tank
TRC	Tierce
TRK	Trunk and Chest
TRU	Truck
TRY	Tray
TSS	Trunk, Salesmen Sample
TUB	Tub
UNP	Unpacked
UNT	Unit
UVQ	Wrapped in Plastic
VEH	Vehicles
VIL	Vial
VOC	Vehicle in Operating Condition
VPK	Van Pack
VP	Vacuum Packed

WHE	On Own Wheel
WLC	Wheeled Carrier
WRP	Wrapped

### Pallet Type Code

Code List Name	Code List Description
Pallet Type Code	Part of TradeltemPalletInformation class. It is String 1 to 3 characters. The descriptions are from X12 DE883 and EANCOM DE7065. This should be a GS1 maintained code List.
Code Name	Code Description
1	Soft Wood
2	Aluminium
3	As Specified by the Department of Transportation (DOT)
4	Hard Wood
5	Metal
6	Standard
7	Steel
8	Wood
9	Slip sheet Typically cardboard or plastic sheets used to hold product for storage or transportation
10	Pallet ISO 0 - 1/2 EURO Pallet Standard pallet with dimensions 80 X 60 cm.
11	Pallet ISO 1 - 1/1 EURO Pallet Standard pallet with dimensions 80 X 120 cm.
12	Pallet ISO 2 Standard pallet with dimensions 100 X 120 cm.
13	1/4 EURO Pallet Standard pallet with dimensions 60 X 40 cm.
14	1/8 EURO Pallet Standard pallet with dimensions 40 X 30 cm.
15	Synthetic pallet ISO 1 A standard pallet with standard dimensions 80*120cm made of a synthetic material for hygienic reasons.
16	Synthetic pallet ISO 2 A standard pallet with standard dimensions 100*120cm made of a synthetic material for hygienic reasons.
17	Wholesaler pallet

	Pallet provided by the wholesaler
18	Pallet 80 X 100 cm Pallet with dimensions 80 X 100 cm.
19	Pallet 60 X 100 cm Pallet with dimensions 60 X 100 cm.
20	Pallet, modular, collars 80cms * 100cms
21	Pallet, modular, collars 80cms * 120cms
22	CHEP Pallet 40 X 60 cm
23	CHEP Pallet 80 X 120 cm
24	CHEP Pallet 100 X 120 cm
25	AS 4068-1993 Australian Pallet with dimension 115.5 X 116.5 cm
26	Pallet ISO T11. A standard pallet with standard dimensions 110x110cm used in Asia – Pacific region
27	Platform of Unspecified Weight or Dimension: Pallet level hierarchy is being shipped on a shipping platform of unknown dimensions or unknown weight. The platform weight or dimension may differ within the same shipment. All other values including null would indicate that the weight and dimensions include the shipping platform.

#### Pallet Terms and Conditions

Attribute Name	Comments	
	Code	Code Description
Pallet Terms and Conditions	Part of TradeltemPalletInformation class. It is String 1 to 2 characters. List of authorized values based on EANCOM 7073, X12 DE102 and X12 DE399. This is the same code source referenced by packagingTermsAndCondition This should be a GS1 maintained code list.	
	1	No Exchange / No Return Pallet
	2	Exchange Pallets
	3	Return Pallets
	4	Pallets to be Purchased by Customer
	5	Pallet – Third Party Exchange A pallet exchange program where a third party rents pallets for internal or external use.
	6	One-way pallet Pallet need not be returned to the point of expedition.
	7	Returnable pallet Pallet must be returned to the point of expedition.

### Peg Hole Type Code

Code List Name	Code List Description
Peg Hole Type Code List	The type and shape of the peg hole used for the packaging.
Code Name	Code Description
RL1	A round hole.
SL1	A slot hole with 10 millimetres width.
SL2	A slot hole with 7 millimetres width.

### Phase Of Matter Code

Code List Name	Code List Description
Phase Of Matter Code List	A list of qualitatively different states of matter of a chemical ingredient.
Code Name	Code Description
GAS	A state in which the molecules are comparatively separated.
LIQUID	The state in which intermolecular attractions keep molecules in proximity, but do not keep the molecules in fixed relationships.
MIXED	Any combination of the other states.
SOLID	Having a distinct structural rigidity and resistance to deformation and intermolecular attractions have relatively little effect on their respective motions.

### ROHS Compliance Failure Material

Code List Name	Code List Description
ROHS Compliance Failure Material Code List	The material used in the trade item that does not comply with the ROHS Directives. ROHS is the "restriction of the use of certain hazardous substances in electrical and electronic equipment".
Code Name	Code Description
CADMIUM	A malleable ductile toxic divalent metallic element used in such products as batteries, pigments, and protective platings.
HC	Hexavalent Chromium
LEAD	A soft malleable ductile plastic but inelastic heavy metallic element used in such products as pipes, cable sheaths, batteries, solder.
MERCURY	A silvery-white poisonous metallic element, liquid at room temperature and used in such products as thermometers, barometers, vapour lamps, and batteries.
PBB	Polybrominated Biphenyls
PBDE	Polybrominated Diphenyl Ethers

### Serial Number Location Code List

Code List Name	Code List Description
Serial Number Location Code List	Determines the location of any serial number on the trade item or its related packaging.
Code Name	Code Description
MARKED_ON_PACKAGING	Serial number is on the trade item's packaging.
MARKED_ON_PACKAGING_INSERT	Serial number is on the trade item's packaging insert.
MARKED_ON_TRADE_ITEM	Serial number is on the trade item.
NOT_MARKED	The trade item or its packaging is not marked.
UNKNOWN	Unknown location of marking.

### Size Code List Agency

Code List Name	Code List Description
Size Code List Agency	This is a GS1 maintained code List. Values include:
Code Name	Code Description
1	National Retail Federation – Standard Colour & Size Codes This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems. <a href="http://www.nrf.com">http://www.nrf.com</a>
2	Assigned by Buyer
3	Assigned by Seller

### Tax Applicability Code List

Code List Name	Code List Description
TaxApplicabilityCodeList	
Code Name	Code Description
APPLICABLE	Tax applies to the trade item within the target market at the rate specified TradeItemTaxAmount or TradeItemTaxRate.
EXEMPT	The trade item has no taxation requirements nor any requirements related to invoicing or reporting.
HIGH	The Trade Item is taxed at a tax rate that is higher than the standard rate of taxation for trade items. The classification of High is subject to Target Market rules and can change based on regulation.
LOW	The Trade Item is taxed at a tax rate that is at or lower than the standard rate of taxation for trade items. The classification of low is subject to Target Market rules and can change based on regulation.
NOT_APPLICABLE	Tax does not apply to the trade item within the target market.
PREPAID	The tax, fee or duty has been paid by the supplier of the trade item.
ZERO	The trade item has a tax rate or amount equal to zero but still has requirements for invoicing and may have a rate that can be modified by the government at any given time.

### **7.3. Relationship to Global Data Synchronization Process**

The Data Sync Trade Item model was built keeping in mind the design of the data synchronization process being developed by the Data Sync Project Team under the Align Data BRG.

The key principle that is carried over from that work is the assumption that when a trade item's information is transmitted from an information provider to a data pool, and data pool to data pool (in network data synchronization) that the entire product hierarchy is transmitted. In the grocery industry, that product hierarchy will normally include item, case and pallet, and may also include other levels as listed above in section 4.1. A message detailing information about a trade item must include at least one consumable and one orderable unit. Included in this product hierarchy, it is understood that each link connecting the various levels is also considered to be a part of the message.

## **8. Testing**

Not Defined.

### **8.1. Pass / Fail Criteria**

Not Applicable

### **8.2. Test Data**

Not Applicable

## 9. Appendices

### 9.1. Appendix A: Attribute Variations

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
additionalClassificationAgencyName	E	N (Global)	T.P.Neutral
additionalClassificationCategoryCode	E	N (Global)	T.P.Neutral
additionalClassificationCategoryCodeVersion	E	N (Global)	T.P.Neutral
additionalClassificationCategoryDescription	E	N (Global)	T.P.Neutral
additionalTradelItemDescription	E	Y (Global/Local)	T.P.Neutral
aDRDangerousGoodsLimitedQuantitiesCode	E	Y (Global/Local)	T.P.Neutral
agreedMaximumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral
agreedMinimumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral
areFeesRequiredForUse	E	Y (Global/Local)	T.P.Neutral
areHazardousComponentsRemovable	E	N (Global)	T.P.Neutral
areHumanModelsInFile	E	Y (Global/Local)	T.P.Neutral
automaticPowerDownDefaultTimePeriod	E	N (Global)	T.P.Neutral
availableTime	E	Y (Global/Local)	T.P.Neutral
barCodeType	E	N (Global)	T.P.Neutral
brandName	E	N (Global)	T.P.Neutral
brandOwner	E	N (Global)	T.P.Neutral
builtInProductType	E	N (Global)	T.P.Neutral
campaignEndDate	E	N (Global)	T.P.Neutral
campaignName	E	N (Global)	T.P.Neutral
campaignStartDate	E	N (Global)	T.P.Neutral
canceledDate	E	N (Global)	T.P.Neutral
canFileBeEdited	E	Y (Global/Local)	T.P.Neutral
canFileStream	E	Y (Global/Local)	T.P.Neutral
canTradelItemBeBackOrdered	E	Y (Global/Local)	T.P.Neutral
casingTareWeight	E	N (Global)	T.P.Neutral
cataloguePrice	E	Y (Global/Local)	T.P.Neutral
clampPressure	E	Y (Global/Local)	T.P.Neutral
classComplianceRegulationCode	Unkno wn	N (Global)	T.P.Neutral
classificationCategoryCode	C	N (Global)	T.P.Neutral
classificationCategoryDefinition	C	N (Global)	T.P.Neutral
classificationCategoryName	C	N (Global)	T.P.Neutral
classOfDangerousGoods	E	Y (Global/Local)	T.P.Neutral
colorCodeListAgency	E	N (Global)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
colorCodeValue	E	N (Global)	T.P.Neutral
colorDescription	E	N (Global)	T.P.Neutral
communityVisibilityDateTime	E	Y (Local)	T.P.Neutral
componentsLabeledForDisassemblyRecyclingPercent	E	N (Global)	T.P.Neutral
consumerAvailabilityDateTime	E	Y (Global/Local)	T.P.Neutral
consumerSalesCondition	E	Y (Global/Local)	T.P.Neutral
consumerUsageStorageInstructions	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
contactType	E	Y (Global/Local)	T.P.Neutral
couponFamilyCode	E	Y (Local)	T.P.Neutral
cumulativeHumidityInterruptionAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
cumulativeHumidityInterruptionAcceptableTimeSpanIn structions	E	Y (Global/Local)	T.P.Neutral
cumulativeTemperatureInterruptionAcceptableTimeSp an	E	Y (Global/Local)	T.P.Neutral
cumulativeTemperatureInterruptionAcceptableTimeSp anInstructions	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsAMarginNumber	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsHazardLabelNumber	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsHazardLabelSequenceNumber	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsHazardousCode	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsPackingGroup	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsRegulationCode	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsShippingName	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsSpecialProvisions	E	Y (Global/Local)	T.P.Neutral
dangerousGoodsTechnicalName	E	Y (Global/Local)	T.P.Neutral
dangerousSubstanceGasDensity	E	Y (Global/Local)	T.P.Neutral
dangerousSubstanceHeatOfCombustion	E	Y (Global/Local)	T.P.Neutral
dangerousSubstanceName	E	Y (Global/Local)	T.P.Neutral
dangerousSubstancePhaseOfMatter	E	Y (Global/Local)	T.P.Neutral
dangerousSubstanceWasteCode	E	Y (Global/Local)	T.P.Neutral
deliveryToDistributionCenterTemperatureMaximum	E	Y (Global/Local)	T.P.Neutral
deliveryToDistributionCenterTemperatureMinimum	E	Y (Global/Local)	T.P. Neutral
deliveryToMarketTemperatureMaximum	E	Y (Global/Local)	T.P.Neutral
deliveryToMarketTemperatureMinimum	E	Y (Global/Local)	T.P.Neutral
depositValueEffectiveDate	E	Y (Global/Local)	T.P.Neutral
depositValueEndDate	E	Y (Global/Local)	T.P.Neutral
depth	E	Y (Global/Local)	T.P.Neutral
descriptionShort	E	N (Global)	T.P.Neutral
descriptiveSize	E	N (Global)	T.P.Neutral
descriptiveSizeDimension	E	N (Global)	T.P.Neutral
diameter	E	Y (Global/Local)	T.P.Neutral
discontinuedDate	E	Y (Global/Local)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
displayDimensions	E	Y(Global/Local)	T.P.Neutral
displayDimensionTypeCode	E	Y(Global/Local)	T.P.Neutral
displayResolution	E	Y (Global/Local)	T.P.Neutral
doesManufacturerHaveTakeBackProgram	E	Y(Global/Local)	T.P.Neutral
doesTradItemContainPesticide	E	N (Global)	T.P.Neutral
doesTradItemContainPolyvinylChloride	E	N (Global)	T.P.Neutral
doesTradItemContainPropellant	E	N (Global)	T.P.Neutral
doesTradItemContainShortChainChlorinatedParaffins	E	N (Global)	T.P.Neutral
doesTradItemHaveRefuseObligations	E	Y(Global/Local)	T.P.Neutral
drainedWeight	E	Y(Global/Local)	T.P.Neutral
eANUCCClassificationAttributeTypeCode	E	N (Global)	T.P.Neutral
eANUCCClassificationAttributeTypeDefinition	E	N (Global)	T.P.Neutral
eANUCCClassificationAttributeTypeName	E	N (Global)	T.P.Neutral
eANUCCClassificationAttributeValueCode	E	N (Global)	T.P.Neutral
eANUCCClassificationAttributeValueName	E	N (Global)	T.P.Neutral
effectiveDate	E	Y (Global/Local)	T.P.Neutral
effectiveEndDate	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
effectiveStartDate	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageSubclassificationCode	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageAgencyCode	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageSubclassificationName	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageTradItemClassificationAgency	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageTradItemClassificationCode	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
electricalUsageTradItemClassificationName	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
endAvailabilityDateTime	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
endDateMaximumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
endDateMinimumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
endDateTimeOfExclusivity	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
equivalentTradItem	E	Y(Global/Local)	T.P.Neutral
fileAspectRatio	E	N (Global)	T.P.Neutral
fileAuthorName	E	N (Global)	T.P.Neutral
fileBackgroundColourDescription	E	N (Global)	T.P.Neutral
fileCameraPerspective	E	N (Global)	T.P.Neutral
fileCampaignDescription	E	N (Global)	T.P.Neutral
fileColourCalibration	E	N (Global)	T.P.Neutral
fileColourScheme	E	N (Global)	T.P.Neutral
fileCompressionType	E	N (Global)	T.P.Neutral
fileContrast	E	N (Global)	T.P.Neutral
fileCopyrightDescription	E	N (Global)	T.P.Neutral
fileCreationProgram	E	N (Global)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
fileDepictedSeason	E	N (Global)	T.P.Neutral
fileDepictedSceneDescription	E	N (Global)	T.P.Neutral
fileDisclaimerInformation	E	Y (Global/Local)	T.P.Neutral
fileFeeDescription	E	Y (Global/Local)	T.P.Neutral
fileItemPosition	E	N (Global)	T.P.Neutral
fileLanguage	E	N (Global)	T.P.Neutral
fileLayerQuantity	E	N (Global)	T.P.Neutral
fileLifeStyleDescription	E	N (Global)	T.P.Neutral
fileOptimumMediaPlayerName	E	N (Global)	T.P.Neutral
fileOriginCountry	E	N (Global)	T.P.Neutral
filePlaybackRate	E	N (Global)	T.P.Neutral
filePrintHeight	E	N (Global)	T.P.Neutral
filePrintWidth	E	N (Global)	T.P.Neutral
filePublicationMediaTypeDescription	E	N (Global)	T.P.Neutral
fileRecommendedUsage	E	N (Global)	T.P.Neutral
fileResolutionDescription	E	N (Global)	T.P.Neutral
fileRightsDescription	E	Y (Global/Local)	T.P.Neutral
fileRunTime	E	N (Global)	T.P.Neutral
fileSize	E	N (Global)	T.P.Neutral
fileStoryDescription	E	N (Global)	T.P.Neutral
fileTalentDescription	E	N (Global)	T.P.Neutral
fileUsageRestriction	E	N (Global)	T.P.Neutral
fileVersion	E	N (Global)	T.P.Neutral
firstDeliveryDateTime	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
firstOrderDate	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
firstReturnableDateTime	E	Y (Global/Local)	T.P.Neutral
firstShipDate	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
flammableSubstanceMaximumPercent	E	Y (Global/Local)	T.P.Neutral
flammableSubstanceMaximumPercent	E	Y (Global/Local)	T.P.Neutral
flashPointTemperature	E	N (Global)	T.P.Neutral
functionalName	E	N (Global)	T.P.Neutral
genericIngredient	E	Y (Local)	T.P.Neutral
genericIngredientStrength	E	Y (Global/Local)	T.P.Neutral
globalTradeItemNumber	C	N (Global)	T.P.Neutral
goodsPickUpLeadTime	E	Y (Global/Local)	T.P.Neutral
gradeCode	E	Y (Global/Local)	T.P.Neutral
gradeCodeAgency	E	Y (Global/Local)	T.P.Neutral
gradeCodeListIdentification	E	Y (Global/Local)	T.P.Neutral
grossWeight	E	Y (Global/Local)	T.P.Neutral
handlingInstructionsCode	E	N (Global)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
handlingInstructionsCodeAgency	E	N (Global)	T.P.Neutral
handlingInstructionsDescription	E	N (Global)	T.P.Neutral
hasBatchNumber	E	Y (Local)	T.P.Neutral
hasDisplayReadyPackaging	E	Y (Global/Local)	T.P.Neutral
hazardousMaterialAdditionalInformation	E	Y (Global/Local)	T.P.Neutral
height	E	Y (Global/Local)	T.P.Neutral
illegalToAdvertiseTargetMarket	E	Y (Global/Local)	T.P.Neutral
importClassificationType	E	Y (Global/Local)	T.P.Neutral
importClassificationValue	E	Y (Global/Local)	T.P.Neutral
informationProvider	C	N (Global)	T.P.Neutral
ingredientStrength	E	Y (Global/Local)	T.P.Neutral
intendedPublicationCountry	E	Y (Global/Local)	T.P.Neutral
invoiceName	E	N (Global)	T.P.Neutral
isBasePriceDeclarationRelevant	E	Y (Global/Local)	T.P.Neutral
isDangerousSubstance	E	Y (Global/Local)	T.P.Neutral
isDiscountingIllegal	E	Y (Global/Local)	T.P.Neutral
isFileBackgroundTransparent	E	N (Global)	T.P.Neutral
isFileForInternalUseOnly	E	N (Global)	T.P.Neutral
isNetContentDeclarationIndicated	E	Y (Global/Local)	T.P.Neutral
isNonSoldTradeItemReturnable	E	Y (Global/Local)	T.P.Neutral
isOneTimeBuy	E	Y (Global/Local)	T.P.Neutral
isPackagingExemptFromRefuseObligation	E	Y (Global/Local)	T.P.Neutral
isPackagingMarkedReturnable	E	N (Global)	T.P.Neutral
isPackagingMarkedWithIngredients	E	Y (Local)	T.P.Neutral
isPriceOnPack	E	N (Global)	T.P.Neutral
isTalentReleaseOnFile	E	N (Global)	T.P.Neutral
isTradeItemABaseUnit	E	N (Global)	T.P.Neutral
isTradeItemACombinationItem	E	Y (Global/Local)	T.P.Neutral
isTradeItemAConsumerUnit	E	N (Global)	T.P.Neutral
isTradeItemADispatchUnit	E	Y (Global/Local)	T.P.Dependent
isTradeItemADisplayUnit	E	N (Global)	T.P.Neutral
isTradeItemAnInvoiceUnit	E	Y (Global/Local)	T.P.Dependent
isTradeItemAnOrderableUnit	E	Y (Global/Local)	T.P.Dependent
isTradeItemAService	E	N (Global)	T.P.Neutral
isTradeItemAutomaticPowerDownEnabled	E	N (Global)	T.P.Neutral
isTradeItemAVariableUnit	E	N (Global)	T.P.Neutral
isTradeItemChemicalNotIntendedForHumanConsumption	E	N (Global)	T.P.Neutral
isTradeItemConsumerUpgradeableOrMaintainable	E	N (Global)	T.P.Neutral
isTradeItemDesignedForEasyDisassembly	E	N (Global)	T.P.Neutral
isTradeItemMarkedAsRecyclable	E	Y (Global/Local)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
isTradelItemPackedIrregularly	E	N (Global)	T.P.Neutral
isTradelItemReconditioned	E	N (Global)	T.P.Neutral
isTradelItemReorderable	E	Y (Global/Local)	T.P.Neutral
isTradelItemRigidPlasticPackagingContainer	E	N (Global)	T.P.Neutral
isTradelItemROHSCompliant	E	N (Global)	T.P.Neutral
isTradelItemSeasonal	E	Y (Local)	T.P.Neutral
isTradelItemSizedBasedPricing	E	Y (Global/Local)	T.P.Neutral
isTradelItemUniversalWaste	E	N (Global)	T.P.Neutral
itemDepictionTypeCode	E	N (Global)	T.P.Neutral
itemVariantMaster	E	Y (Global/Local)	T.P.Neutral
itemsInFileDescription	E	N (Global)	T.P.Neutral
languageSpecificBrandName	E	Y (Global/Local)	T.P.Neutral
languageSpecificSubBrandName	E	Y (Global/Local)	T.P.Neutral
lastChangeDateTime	E	N (Global)	T.P.Neutral
lastOrderDate	E	Y (Global/Local)	T.P.Neutral
lastShipDate	E	Y (Global/Local)	T.P.Neutral
layerHeight	E	N (Global)	T.P.Neutral
manufacturer	E	N (Global)	T.P.Neutral
manufacturerTakeBackProgram	E	Y (Global/Local)	T.P.Neutral
manufacturingPlantIdentification	E	Y (Global/Local)	T.P.Neutral
materialAgencyCode	E	N (Global)	T.P.Neutral
materialCode	E	N (Global)	T.P.Neutral
materialContent	E	N (Global)	T.P.Neutral
materialPercentage	E	N (Global)	T.P.Neutral
materialSafetyDataSheetNumber	E	N (Global)	T.P.Neutral
materialWeight	E	N (Global/Local)	T.P.Neutral
maximumBuyingQuantity	Unkno wn	Y (Global/Local)	T.P.Neutral
maximumEnergyUsage	E	Y (Global/Local)	T.P.Neutral
maximumEnergyUsageTimePeriod	E	Y (Global/Local)	T.P.Neutral
maximumToleranceLimitTemperature	E	Y (Global/Local)	T.P.Neutral
minimumToleranceLimitTemperature	E	Y (Global/Local)	T.P.Neutral
minimumTradelItemLifespanFromTimeOfArrival	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
minimumTradelItemLifespanFromTimeOfProduction	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
nameOfBrandOwner	E	N (Global)	T.P.Neutral
nameOfInformationProvider	E	N (Global)	T.P.Neutral
nameOfManufacturer	E	N (Global)	T.P.Neutral
nestingDirection	E	N (Global)	T.P.Neutral
nestingIncrement	E	N (Global)	T.P.Neutral
nestingType	E	N (Global)	T.P.Neutral
netContent	E	N (Global)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
netMassOfExplosives	E	Y (Global/Local)	T.P.Neutral
netWeight	E	Y (Global/Local)	T.P.Neutral
numberOfItemsInDigitalAsset	E	N (Global)	T.P.Neutral
offerOnPack	E	Y (Local)	T.P.Neutral
openedTradeItemLifeSpan	E	N (Global)	T.P.Neutral
orderingLeadTime	E	Y (Global/Local)	T.P.Dependent
orderingUnitOfMeasure	E	Y (Global)	T.P.Neutral
orderQuantityMaximum	E	Y (Global/Local)	T.P.Dependent
orderQuantityMinimum	E	Y (Global/Local)	T.P.Dependent
orderQuantityMultiple	E	Y (Global/Local)	T.P.Neutral
orderSizingFactor	E	Y (Global/Local)	T.P.Neutral
organicClaimAgency	E	Y (Global/Local)	T.P.Neutral
organicTradeItemCode	E	Y (Global/Local)	T.P.Neutral
orientationPreferenceSequence	E	N (Global)	T.P.Neutral
orientationType	E	N (Global)	T.P.Neutral
packageMarksDietAllergen	E	Y (Local)	T.P.Neutral
packageMarksEnvironment	E	Y (Local)	T.P.Neutral
packageMarksEthical	E	Y (Local)	T.P.Neutral
packageMarksFreeFrom	E	Y (Local)	T.P.Neutral
packageMarksHygienic	E	Y (Global/Local)	T.P.Neutral
packagingFunction	E	Y (Global/Local)	T.P.Neutral
packagingMarkedDateFormat	E	Y (Global/Local)	T.P.Neutral
packagingMarkedExpirationDateType	E	Y (Local)	T.P.Neutral
packagingMarkedRecyclableScheme	E	Y (Local)	T.P.Neutral
packagingMarkingLanguage	E	Y (Global/Local)	T.P.Neutral
packagingMaterialCode	E	Y (Global/Local)	T.P.Neutral
packagingMaterialCodeListMaintenanceAgency	E	Y (Global/Local)	T.P.Neutral
packagingMaterialCompositionQuantity	E	Y (Global/Local)	T.P.Neutral
packagingMaterialDescription	E	Y (Global/Local)	T.P.Neutral
packagingMaterialDistanceTravelledToPointOfPackaging	E	Y (Global/Local)	T.P.Neutral
packagingMaterialLaunchDateTime	E	Y (Global/Local)	T.P.Neutral
packagingMaterialPerformanceCode	E	Y (Global/Local)	T.P.Neutral
packagingRefundObligationName	E	Y (Global/Local)	T.P.Neutral
packagingTermsAndCondition	E	N (Global)	T.P.Neutral
packagingTypeCode	E	N (Global)	T.P.Neutral
packagingTypeDescription	E	N (Global)	T.P.Neutral
packagingUsableProductVolume	E	N (Global)	T.P.Neutral
packagingWeight	E	N (Global)	T.P.Neutral
palletTermsAndConditions	E	Y (Global/Local)	T.P.Neutral
palletTypeCode	E	Y (Global/Local)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
partyReceivingPrivateData	E	N (Global)	T.P.Dependent
pegHoleNumber	E	N (Global)	T.P.Neutral
pegHoleType	E	Y(Global/Local)	T.P.Neutral
pegHorizontal	E	Y(Global/Local)	T.P.Neutral
pegVertical	E	Y(Global/Local)	T.P.Neutral
priceByMeasureType	E	Y (Global/Local)	T.P.Dependent
priceComparisonContentType	E	Y (Global)	T.P.Neutral
priceComparisonMeasurement	E	Y(Global/Local)	T.P.Neutral
productRange	E	N (Global)	T.P.Neutral
publicationDate	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
purchaseOrderReceiverGLN	E	Y(Global/Local)	T.P.Neutral
purchaseOrderReceiverRole	E	Y(Global/Local)	T.P.Neutral
quantityOfChildren	E	N (Global)	T.P.Neutral
quantityOfCompleteLayersContainedInATradeItem	E	N (Global)	T.P.Neutral
quantityOfInnerPack	E	N (Global)	T.P.Neutral
quantityOfLayersPerPallet	E	Y(Global/Local)	T.P.Neutral
quantityOfNextLevelTradeItemWithinInnerPack	E	N (Global)	T.P.Neutral
quantityOfNextLowerLevelTradeItem	E	N (Global)	T.P.Neutral
quantityOfTradeItemsContainedInACompleteLayer	E	N (Global)	T.P.Neutral
quantityOfTradeItemsPerPallet	E	Y(Global/Local)	T.P.Neutral
quantityOfTradeItemsPerPalletLayer	E	Y(Global/Local)	T.P.Neutral
registeredAgentIdentification	E	Y(Global/Local)	T.P.Neutral
registeredAgentName	E	Y(Global/Local)	T.P.Neutral
renewablePlantBasedPlasticComponentsPercent	E	N (Global)	T.P.Neutral
replacedByTradeItem	E	Y(Global/Local)	T.P.Neutral & T.P.Dependent
replacedTradeItemIdentification	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
retailPriceOnTradeItem	E	N (Global)	T.P.Neutral
returnableAssetCapacityContent	E	Y(Global/Local)	T.P.Neutral
returnableAssetsContainedQuantity	E	Y (Global/Local)	T.P.Neutral
returnablePackageDepositAmount	E	Y (Global/Local)	T.P.Neutral
returnablePackageDepositCode	E	Y (Global/Local)	T.P.Neutral
returnablePackageDepositRegion	E	Y (Global/Local)	T.P.Neutral
riskPhraseCode	E	Y (Global/Local)	T.P.Neutral
rFIDTaggedCode	E	Y(Global/Local)	T.P.Neutral & T.P.Dependent
rOHSComplianceFailureMaterials	E	Y (Local)	T.P.Neutral
runMode	E	N (Global)	T.P.Neutral
seasonalAvailabilityEndDate	E	Y (Local)	T.P.Neutral
seasonalAvailabilityStartDate	E	Y (Local)	T.P.Neutral
seasonCalendarYear	E	Y (Local)	T.P.Neutral
seasonName	E	Y (Local)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
seasonParameter	E	Y (Local)	T.P.Neutral
securityTagLocation	E	Y (Local)	T.P.Neutral
securityTagType	E	Y (Local)	T.P.Neutral
sellingUnitOfMeasure	E	Y (Global/Local)	T.P.Neutral
serialNumberLocationCode	E	N (Global)	T.P.Neutral
shipFromLocation	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
sizeCodeListAgency	E	N (Global)	T.P.Neutral
sizeCodeValue	E	N (Global)	T.P.Neutral
sizeDimension	E	N (Global)	T.P.Neutral
sizeGroup	E	N (Global)	T.P.Neutral
sizeSystem	E	N (Global)	T.P.Neutral
sizeType	E	N (Global)	T.P.Neutral
specialItemCode	E	Y (Global/Local)	T.P.Neutral
stackingFactor	E	N (Global)	T.P.Neutral
stackingWeightMaximum	E	Y (Global/Local)	T.P.Neutral
startAvailabilityDateTime	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
startDateMaximumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral
startDateMinimumBuyingQuantity	E	Y (Global/Local)	T.P.Neutral
statisticalReportingMeasurement	E	Y (Global/Local)	T.P.Neutral
storageDropBelowMinimumHumidityAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
storageDropBelowMinimumTemperatureAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
storageHandlingHumidityMaximum	E	Y (Global/Local)	T.P.Neutral
storageHandlingHumidityMinimum	E	Y (Global/Local)	T.P.Neutral
storageHandlingTemperatureMaximum	E	Y (Global/Local)	T.P.Neutral
storageHandlingTemperatureMinimum	E	Y (Global/Local)	T.P.Neutral
storageMaximumHumidityAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
storageMaximumTemperatureAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
subBrand	E	N (Global)	T.P.Neutral
substitutedByTradeItem	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
substitutedTradeItem	E	Y (Global/Local)	T.P.Neutral & T.P.Dependent
suggestedRetailPrice	E	Y (Global/Local)	T.P.Neutral
targetConsumerAge	E	Y (Local)	T.P.Neutral
targetConsumerGender	E	Y (Local)	T.P.Neutral
targetMarketCountryCode	C	N (Global)	T.P.Neutral
targetMarketDescription	C	N (Global)	T.P.Neutral
targetMarketSubdivisionCode	C	N (Global)	T.P.Neutral
taxAgencyCode	E	Y (Global/Local)	T.P.Neutral
taxAgencyName	E	Y (Global/Local)	T.P.Neutral
taxAmount	E	Y (Global/Local)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
taxApplicabilityCode	E	Y (Global/Local)	T.P.Neutral
taxExemptPartyRole	E	Y (Global/Local)	T.P.Neutral
taxLevyBasis	E	Y (Global/Local)	T.P.Neutral
taxRate	E	Y (Global/Local)	T.P.Neutral
taxReductionCriteriaDescription	E	Y (Global/Local)	T.P.Neutral
taxTypeCode	E	Y (Global/Local)	T.P.Neutral
taxTypeDescription	E	Y (Global/Local)	T.P.Neutral
taxTypeEffectiveEndTime	E	Y (Global/Local)	T.P.Neutral
taxTypeEffectiveStartTime	E	Y (Global/Local)	T.P.Neutral
threadCount	E	N (Global)	T.P.Neutral
totalQuantityOfNextLowerLevelTradItem	E	N (Global)	T.P.Neutral
totalScreenArea	E	Y (Global/Local)	T.P.Neutral
tradItemCompositionDepth	E	N (Global)	T.P.Neutral
tradItemCompositionWidth	E	N (Global)	T.P.Neutral
tradItemCopyrightFee	E	Y (Global/Local)	T.P.Neutral
tradItemCopyrightRate	E	Y (Global/Local)	T.P.Neutral
tradItemCountryOfAssembly	E	N (Global)	T.P.Neutral
tradItemCountryOfLastProcessing	E	N (Global)	T.P.Neutral
tradItemCountryOfOrigin	E	N (Global)	T.P.Neutral
tradItemDescription	C	N (Global)	T.P.Neutral
tradItemFeatureBenefit	E	N (Global)	T.P.Neutral
TradItemFeatureCode	E	N (Global)	T.P.Neutral
tradItemFinishDescription	E	N (Global)	T.P.Neutral
tradItemFormDescription	E	N (Global)	T.P.Neutral
tradItemGroupIdentificationCode	E	N (Global)	T.P.Neutral
tradItemGroupIdentificationDescription	E	N (Global)	T.P.Neutral
tradItemHeatOfCombustion	E	Y (Global/Local)	T.P.Neutral
tradItemIncludedAccessories	E	Y (Global/Local)	T.P.Neutral
tradItemIdentificationOfNextLowerLevelTradItem	E	N (Global)	T.P.Neutral
tradItemMarketingMessage	E	Y (Global/Local)	T.P.Neutral
tradItemPriceBasisQuantity	E	Y (Global/Local)	T.P.Neutral
tradItemTradeChannel	E	Y (Global/Local)	T.P.Dependent
tradItemUnitDescriptor	C	N (Global)	T.P.Neutral
transportationDropBelowMinimumHumidityAcceptable TimeSpan	E	Y (Global/Local)	T.P.Neutral
transportationMaximumHumidityAcceptableTimeSpan	E	Y (Global/Local)	T.P.Neutral
transportationMaximumTemperature		Y (Global/Local)	T.P.Neutral
transportationMinimumTemperature	E	Y (Global/Local)	T.P.Neutral
unitedNationsDangerousGoodsNumber	E	N (Global)	T.P.Neutral
variableTradItem Type	E	Y (Global/Local)	T.P.Neutral
variant	E	N (Global)	T.P.Neutral

Resolved Item Name	Core/ Ext	Can vary by Target Market i.e has status: N (Global), (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both
warrantyConditions	E	Y (Global/Local)	T.P.Neutral
warrantyConstraint	E	Y (Global/Local)	T.P.Neutral
warrantyDescription	E	Y (Global/Local)	T.P.Neutral
warrantyDuration	E	Y (Global/Local)	T.P.Neutral
warrantyEffectiveDateType	E	Y (Global/Local)	T.P.Neutral
warrantyType	E	Y (Global/Local)	T.P.Neutral
wasteAmount	E	Y(Global/Local)	T.P.Neutral
wasteDirectiveApplianceType	E	Y(Global/Local)	T.P.Neutral
wasteDirectiveName	E	Y(Global/Local)	T.P.Neutral
wasteDirectiveRegistrationNumber	E	Y(Global/Local)	T.P.Neutral
waterHazardCode	E	Y(Global/Local)	T.P.Neutral
waterSoluabilityCode	E	Y (Global/Local)	T.P.Neutral
width	E	Y (Global/Local)	T.P.Neutral

## 9.2. Appendix C: Trade Item Descriptor Usage

tradeItemDescriptor	Description	Parents	Parents Instance	Children	Children Instance
(MX) Mixed Module	A unit load that contains several unique GTINs OR a “display ready pallet” that may contain a single GTIN or several unique GTINs that is intended to go directly to the selling floor. Includes box pallet	None	N/A	DS, CA, PK, AP(SP), EA	Single/Multiple
(PL) Pallet	A unit load that contains a single GTIN that is not display ready. Includes box pallet	None	N/A	DS, CA, ,PK, AP(SP), EA	Single
(DS) Display/ Shipper	A shipping unit that is a display (can contain a single instance of a GTIN or contains more than one unique instance of a GTIN) OR a case that contains more than one unique instance of a GTIN. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet and prepack	MX, PL, DS, CA	Single/Multiple	DS, CA, PK AP(SP), EA	Single/Multiple
(CA) Case	A standard trade item shipping unit. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet	MX, PL, DS, CA	Multiple	DS,CA, PK, AP (SP) EA	Single
(PK) Pack / Innerpack	May be a logistical unit between a case and each may or may not be bar-coded that contains a single instance of a GTIN OR a consumer unit that contains single instance of a lower level GTIN that is typically bar-coded	MX, PL, DS, CA, PK, AP(SP)	Multiple	PK, AP(SP) , EA	Single
(AP) Assorted Pack/Setpack	May be a logistical unit between a case and each may or may not be bar-coded that contains multiple instances of unique GTINs OR a consumer unit that contains multiple instances of lower level GTINs that are typically bar-coded	MX, PL, DS, CA, PK, AP(SP)	Multiple	PK, AP(SP), EA	Multiple
(EA) Each	The lowest level of the item hierarchy intended or labelled for individual resale. Includes multi-pack	PL, MX , DS, CA, PK, AP(SP)	Multiple	None	N/A

## 10. Summary of Changes

Change	BMS Version	Associated CR Number
<ul style="list-style-type: none"> <li>1.5.4 Changed Trade Item Information Class Diagram for relationship to GDSNTradeItemClassification.</li> <li>1.5.22 Changed Trade Item Classification to GDSNTradeItemClassification</li> </ul>	9.0.3	
<ul style="list-style-type: none"> <li>Made following attributes optional</li> <li>packagingMaterialDescription</li> <li>packagingTypeDescription</li> <li>additionalClassificationCategoryDescription</li> <li>classificationCategoryDefinition</li> <li>classificationCategoryName</li> <li>eANUCCClassificationAttributeTypeName</li> <li>eANUCCClassificationAttributeValueName</li> <li>tradeItemDescription</li> <li>taxTypeDescription</li> <li>Deprecated the value EAN_UCC_14 Symbol from and added NO_BARCODE to Bar Code Type List.</li> <li>Changed Attribute Association by Trade Item Hierarchy Level for Net Content to allow for population at all levels.</li> <li>Changed field length of subBrand to 1..70 and TradeItemDescription.text to 1..178.</li> <li>Section 1.9.2</li> <li>Per Align CR 04-000069 - Updated Table for following attributes allowing for population at any level of the product hierarchy.</li> <li>quantityOfLayersPerPallet</li> <li>quantityOfTradeItemsContainedInACompleteLayer</li> <li>palletTypeCode</li> <li>PalletTermsAndConditions</li> <li>Changed packagingTermsandConditions to packagingTermsAndCondition.</li> <li>Updated definition of TradeItemDescription to eliminate field length references.</li> </ul>	9.0.4 – 9.0.5	05-000389, 04-000129
<ul style="list-style-type: none"> <li>Updated the following code lists with new code values requested by the GDSN MR1</li> <li>Special Item Code List (NOT_FOR_RESALE_TO_CONSUMER)</li> <li>Packaging Material Code List (98)</li> <li>Size Type Code List (CHEST_BUST, HIP,OUTSIDE_LEG)</li> <li>Additional Classification Agency Name Code List (7,8,9,10,11,12,13,14)</li> <li>Packaging Terms and Conditions Code List (12)</li> <li>Added business rules from Item BRD to section 1.4.2</li> <li>Added Core and Extension Information to Appendix A.</li> </ul>	9.0.6	06-000182, 06-000275, 06-00313, 06-000331, 06-000340, 06-000343

<ul style="list-style-type: none"> <li>o Updated Business Rules for Target Market Subdivision Code, Functional Name, Trade Item Country Of Origin, Net Weight.</li> </ul>		
<ul style="list-style-type: none"> <li>o Removed Code 12 (ECC) from the AdditionalClassificationAgencyCodeList</li> </ul>	9.0.7	07-000276
<ul style="list-style-type: none"> <li>o BMS Template Migration to BMS Template V1.8</li> <li>o Added the code value to handle EU Dairy Subsidy Category in to the Additional Classification Agency Code List.</li> <li>o Changed the attributes quantityOfTradeItemsPerPalletLayer, quantityOfLayersPerPallet and quantityOfTradeItemsPerPallet to be variable by Target Market.</li> <li>o Added a new code value to the Pallet Type Code List: Platform of Unspecified Weight or Dimension. Code List Number 27.</li> <li>o Updated the data type ingredientStrength in the GDD report to Multi Measurement to match the model.</li> <li>o Added a new attribute rFIDTaggedCode to the Trade Item Neutral Trade Item Information class.</li> <li>o Added a new attribute isBarcodeOnPackageVariableMeasureBarcode to the Trade Item Neutral Trade Item Information class.</li> <li>o Added new attribute layerHeight to the Trade Item Measurements class.</li> <li>o Added new attribute nestingIncrement to the Trade Item Measurements class.</li> <li>o Added new attribute packagingWeight to the Packaging Type class.</li> <li>o Added new attribute casingTareWeight to the Trade Item Measurements class.</li> <li>o Added new attribute openedTradeItemLifespan to the Trade Item Handling Information class.</li> <li>o Added new attribute consumerUsageStorageInstructions to the Trade Item Handling Information class.</li> <li>o Changed multiplicity on the suggestedRetailPrice attribute.</li> <li>o Added new attribute isPriceOnPack to the Packaging Marking class.</li> <li>o Change the packagingMaterialCode, packagingMaterialCodeListMaintenanceAgency and packagingMaterialCompositionQuantity multiplicity to be optional.</li> <li>o Changed the attribute sizeCodeListAgency and sizeCodeValue multiplicity to be optional.</li> <li>o Changed the attribute flashPointTemperature to be optional.</li> <li>o Added shipFromLocation Name and GLN to Trade Item Neutral Trade Item Information.</li> <li>o Added new code value to handle Pallet to the Pallet ISO T11 in to the Pallet Type Code List. Code Value 26.</li> <li>o Added new code value to handle the JICFS classification on the Additional Classification Agency Code List. Code Value 15.</li> <li>o New rule added for all the attributes with Multimeasurement</li> </ul>	9.0.8	

<p>data type</p> <ul style="list-style-type: none"> <li>o All the attributes with multi measurement data type changed from Global to (Global/Local)</li> <li>o Rule “For consumer unit, Net Content replaces Net Weight (can then be weight, size, volume). Has to be associated with a valid UoM.” Related to net weight removed.</li> <li>o Added Link to External File Information from Trade Item Description Information and associated code list TradeItemExternalInformationTypeList. Deprecated the attribute linkToExternalDescription.</li> <li>o Added two new attributes to the ExternalFileInformation link fileEffectiveEndDateTime and fileEffectiveStartDateTime</li> <li>o Added following values to PackageMarksDietAllergen Code List: APPROVED_FOR_TUBE_FEEDING, DIET_PRODUCT_450-800_KCAL/D, DIET_PRODUCT_800-1200_KCAL/D, NUTRITION_SUPPLEMENT, LACTASE_ENZYME, MOTHERS_MILK_SUBSTITUTE, CONTAINS_PVC, CONTAINS_PVC_WITH_PHTHALATES,CONTAINS_PVC_WITHOUT_PHTHALATES, LOW_ON_PHENYLALANINE, LOW_ON_SUGAR</li> <li>o Added the following values to packageMarksFreeFrom Code List: CONTAINS_LATEX,FREE_FROM_FISH, FREE_FROM_LATEX, FREE_FROM_PROTEIN, FREE_FROM_LEGUME_PROTEIN, FREE_FROM_MILK, FREE_FROM_NATURAL_GLTEN, FREE_FROM_PVC, REDUCED_PROTEIN, WITHOUT_ADDED_SUGAR, WITHOUT_ADDED_SWEETENER</li> <li>o Added the following values to packageMarksEnvironment code list: MARINE_STEWARDSHIP_COUNCIL_LABEL, RAINFOREST_ALLIANCE, SWEDISH_SEAL_OF_QUALITY, FOREST_STEWARDSHIP_COUNCIL_LABEL, EU_ECO_LABEL, GMO_MARKED</li> <li>o Added the following values to priceComparisonContentType code list: PER_CUBIC_METRE, PER_SQUARE_METRE.</li> <li>o Added the following values to the TradeItemExternalInformationTypeList MARKETING_INFORMATION, OTHER_EXTERNAL_INFORMATION and PLANOGRAM</li> <li>o Appendix C added. Table referencing the Trade Item Unit Descriptor usage.</li> </ul>		
<ul style="list-style-type: none"> <li>o Per requirement changed relationship to priceOnTradeItem to 0..* .</li> <li>o Reverted suggestedRetailPrice to 0..1 (same as last release) as this attribute was not required to be made 0..*</li> <li>o Added example from approved BRD to NestingIncrement definition.</li> <li>o Deprecated the code value EU_BLOMMA on PackageMarksEnvironmentCodeList as this value has been replaced by EU_ECO_LABEL.</li> <li>o Moved CONTAINS_LATEX to PackageMarksDietAllergen code list.</li> </ul>	9.0.9	Comment Review

<ul style="list-style-type: none"> <li>o Updated definition of pallet type code 27 to read that “All other values including null would indicate that the weight and dimensions <b>include</b> the shipping platform.</li> </ul>	9.1.0	Errata found during e-ballot.
<ul style="list-style-type: none"> <li>o Added definitions for code list values “LOOSE” and “PRE_PACKED” in the VariableMeasureTradeItem Code List.</li> <li>o Added the Value 17 to additionalClassificationAgency Code List.</li> <li>o Added the value PNT to represent Points to the Unit of Measure code list.</li> </ul>	9.1.1	Code List Update
<ul style="list-style-type: none"> <li>o Added the Value 17 and 19 to additionalClassificationAgency Code List.</li> </ul>	9.2.1	
<ul style="list-style-type: none"> <li>o Added class diagram for Trade Item Sustainability Information</li> <li>o Added class diagram for Trade Item Warranty Information</li> <li>o Updated Trade Item Tax Information</li> <li>o Updated Trade Item Price Date to add Trade Item Price Basis Quantity</li> <li>o Updated Trade Item Measurements to add the following associations to (TradeItemNesting, tradeItemCompositionDepth, TradeItemDisplayDimensions) and the following attribute hasDisplayReadyPackaging. Added new classes TradeItemNesting and TradeItemDisplayDimensions.</li> <li>o Updated Trade Item Handling Class for Clamp Pressure.</li> <li>o Updated Trade Item Hazardous Information to make all attributes optional.</li> <li>o Updated Packaging Marking Class to add packageMarksHygienic</li> <li>o Updated Non Package Trade Item Dimension to make sizeType optional.</li> <li>o Updated Trading Partner Neutral Trade Item Information for: changing cardinality on TradeItemTaxInformation, and Season, adding tradeItemCountryOfLastProcessing, TradeItemSustainabilityInformation and TradeItemWarrantyInformation.</li> <li>o Updated the Trade Item Information Class to add tradeItemTradeChannel.</li> <li>o Updated Trade Item Hierarchy to add the attribute isTradeItemPackedIrregularly.</li> <li>o Added or Updated following Code Lists: <ul style="list-style-type: none"> <li>o Class Compliance Regulation Code List</li> <li>o Display Resolution Code List</li> <li>o Orientation Type Code List</li> <li>o Trade Item External Information Type List</li> <li>o Package Marks Diet Allergen Code List</li> <li>o Package Marks Environment Code List</li> <li>o Package Marks Ethical Code List</li> <li>o Season Parameter Code List</li> <li>o Package Marks Hygienic Code List</li> <li>o Tax Applicability Code List</li> <li>o Display Dimension Type Code List</li> <li>o Nesting Direction Code List</li> <li>o Nesting Type Code List</li> <li>o ROHS Compliance Code List</li> <li>o Run Mode Code List</li> </ul> </li> <li>Public Review Results <ul style="list-style-type: none"> <li>o Added EU_ORGANIC_FARMING to PackageMarksEnvironment Code List.</li> </ul> </li> </ul>	9.2.6(V 2.3)	

<ul style="list-style-type: none"> <li>• Changed to UTZ_KAPEH to UTZ CERTIFIED in PackageMarksEthicalCodeList</li> <li>• Changed the code list value EUROPEAN_UNION_FLOWER: in Class Compliance Code List to EU_ECO_LABEL</li> <li>Clarified business rule for Clamp Pressure.</li> <li>Changed status of tradeItemCompositionDepth to global.</li> <li>Changed business rules for file type, file start effective date and file name to make them conditional on the file being an image.</li> </ul>		
<ul style="list-style-type: none"> <li>Specified Unit of Measure to populate for TradeItemCompositionWidth and TradeItemCompositionDepth</li> <li>Eliminated reference to autopopulation of TradeItemDescription.</li> </ul>	9.2.7	Errata
<ul style="list-style-type: none"> <li>Efficient Code List Deployment: <ul style="list-style-type: none"> <li>Additional Classification Agency Code (20,21,22,23,24,25,26,27,28,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46)</li> <li>Organic Claim Agency (5)</li> </ul> </li> <li>Errata: <ul style="list-style-type: none"> <li>Added 1920_1080 to Display Resolution Code List</li> </ul> </li> </ul>	9.2.8	<ul style="list-style-type: none"> <li>•08-000220</li> <li>•08-000247</li> <li>•08-000258</li> <li>•08-000227</li> <li>•09-000005</li> </ul>
<ul style="list-style-type: none"> <li>Eliminated Appendix B: Attribute Associations (move to implementation guide).</li> <li>Added or Updated following Code Lists: <ul style="list-style-type: none"> <li>Unit Of Measure</li> <li>Trade Item External Information Type List</li> <li>Package Marks Environment Code List</li> <li>Tax Applicability Code List</li> <li>Additional Classification Agency Code List</li> <li>File Colour Scheme Code List</li> <li>Item Depiction Type Code List</li> <li>File Item Position Code List</li> <li>Packaging Material Performance Code List</li> <li>Packaging Function Code List</li> <li>Peg Hole Code List</li> <li>Serial Number Location Code List</li> <li>Average Distance Travelled To Point Of Packaging Code List</li> <li>Consumer Sales Condition Code List</li> <li>Contact Type Code List</li> <li>ADR Dangerous Goods Limited Quantities Code</li> <li>Dangerous Substances Water Solubility Code List</li> <li>Import Classification Code List</li> <li>Phase Of Matter Code List</li> <li>Brand Distribution Type Code List</li> <li>Security Tag Location</li> </ul> </li> <li>Created new class DangerousSubstanceInformation.</li> <li>Updated ClassificationCategory class to add additionalClassificationCategoryCodeVersion and to increase the cardinality to GDSNTradeItemClassificationAttributeType to 0..*</li> <li>Updated ExternalFileLink class diagram to add fileColourCalibration,fileAspectRatio,fileVersion,fileColourScheme,fileCompressionType,fileContrast,fileCreationProgram,fileBackgroundColourDescription,canFileStream,fileOptimumMediaPlayerName,fileOriginCountry,isFileBackgroundTransparent,fileResolutionDescription,filePlaybackRate,file</li> </ul>	9.3.3 (2.7)	

<p>Size,fileRunTime,filePrintWidth,filePrintHeight,filePixelHeight,filePixelWidth,itemsInFileDescription,fileLifestyleDescription,fileDepictedSceneDescription,fileDepictedSeason,fileStoryDescription,fileTalent,fileCameraPerspective,fileItemPosition,numberOfItemsInDigitalAsset,itemDepictionTypeCode,fileAuthorName,fileLanguage,areHumanModelsInFile,fileLayerQuantity,fileDisclaimerInformation,fileFeeDescriptionfileRecommendedUsage,fileRightsDescription,intendedPublicationMediaDescription,fileUsageRestriction,fileCampaignDescription,fileCopyrightDescription,areFeesRequiredForUse,canFileBeEdited,isFileForInternalUseOnly,isTalentReleaseOnFile,intendedPublicationCountry.</p> <ul style="list-style-type: none"> <li>o Updated TradelItemDocument class diagram to additemVariantMaster,equivalentTradelItem,replacedByTradelItem,substitutedByTradelItem,substitutedTradelItem,isTradelItemADisplayUnit,brandDistributionType.</li> <li>o Updated TradelItemInformation class diagram to add isTradelItemAService,isTradelItemReconditioned,contactType,availableTime,TradelItemInformation,languageSpecificBrandName,languageSpecificSubBrandName.</li> <li>o Updated TradingPartnerNeutralTradelItemInformation class diagram to add DangerousSubstanceInformation,purchaseOrderReceiver, TradelItemRegisteredAgent,TradelItemSalesAndUseConditions,isTradelItemACombinationItem,serialNumberLocationCode.</li> <li>o Updated ManufacturerOfTradelItem to add manufacturingPlantIdentification</li> <li>o Updated MarketingInformation to add tradelItemIncludedAccessories, radelItemGradeInformation,illegalToAdvertiseTargetMarket</li> <li>o Updated the PackagingMarking class diagram to add packagingMarkingLanguage, packagingMarkedDateFormat</li> <li>o Updated the PackagingMaterial class diagram to add packagingMaterialPerformanceCode,packagingMaterialDistanceTravelledToPointOfPackaging,packagingMaterialLaunchDateTime,returnablePackageDepositRegion,packagingRefuseObligationName,packagingRefundObligationName,returnableAssetsContainedQuantity,returnableAssetCapacityContent</li> <li>o Updated the PackagingType class diagram to add isPackagingExemptFromRefuseObligation, ,packagingFunction,usableProductVolume,packagingFunction</li> <li>o Updated Season class to add isTradelItemSeasonal.</li> <li>o Updated the TradelItemHandling class diagram to add handlingInstructionsDescription,handlingInstructionsCodeAgency</li> <li>o Updated the TradelItemDateInformation class diagram to add firstReturnableDateTime, communityVisibilityDateTime.</li> <li>o Updated the TradelItemMeasurements class diagram to add isBasePriceDeclarationRelevant,statisticalReportingMeasurement.</li> <li>o Updated the TradelItemOrderInformation class diagram to add canTradelItemBeBackOrdered,isOneTimeBuy.</li> <li>o Created Trade Item Registered Agent class diagram.</li> <li>o Created Trade Item Sales and Use Conditions class diagram.</li> <li>o Updated Trade Item Sustainability Information class diagram to add wasteAmount,wasteDirectiveApplianceType,</li> </ul>		
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<p>wasteDirectiveName,wasteDirectiveRegistrationNumber.</p> <ul style="list-style-type: none"> <li>○ Updated the TradeItemTemperatureInformation class diagram to add maximumToleranceLimitTemperature, minimumToleranceLimitTemperature,transportationMinimumTemperature,transportationMaximumTemperature,cumulativeHumidityInterruptionAcceptableTimeSpan,cumulativeHumidityInterruptionAcceptableTimeSpanInstructions,cumulativeTemperatureInterruptionAcceptableTimeSpan,cumulativeTemperatureInterruptionAcceptableTimeSpanInstructions,storageDropBelowMinimumHumidityAcceptableTimeSpan,storageDropBelowMinimumTemperatureAcceptableTimeSpan,storageMaximumHumidityAcceptableTimeSpan,storageMaximumTemperatureAcceptableTimeSpan,transportationDropBelowMinimumHumidityAcceptableTimeSpan,transportationMaximumHumidityAcceptableTimeSpan.</li> <li>○ Updated the Trade Item Tax Information class diagram to add taxAgencyName ,taxExemptPartyRole, taxTypeEffectiveEndDateTime, taxTypeEffectiveStartDateTime, taxLevyBasis</li> <li>○Updated Business Rule for Pallet Type Code to read “All values besides 27 (unspecified weight or dimension) including null would indicate that the weight and dimensions of the trade item include the shipping platform. All other values including null would indicate that the weight and dimensions include the shipping platform”.</li> <li>●Updated definitions for PLANOGRAM and PRODUCT_IMAGE in External File Type Code List.</li> <li>●Updated Section 7.1 to correct unit of measure code lists and to add new code lists.</li> <li>●Updated definition of materialDataSheetNumber to remove reference to non-existent Boolean.</li> <li>●Added TradeItemFeatureCode to Marketing Information</li> <li>●Added builtInProductType to Trade Item Information</li> </ul>		
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