# Business Message Standard (BMS)

## for

## Align/Trade Item (Data Definition)

## BRG: Align

## BMS Release: 2.1

**Document Version: 9.0.7**

## Release Date: 05.Jul.2007

*(dd.mm.ccyy)*

## Change Request Reference

| Refer to Change Request (CR) Number(s): | 01-000009, 01-000011, 01-000064, 01-000065, 02-000065, 03-000074, 02-000124, 02-000172, 03-000021, 03-000082, 03-00144, 05-000389, 04-000129, 06-000182, 06-000275, 06-00313, 06-000331, 06-000340, 06-000343, 07-000008 06-000192,06-000235,06-000196,06-000181,06-000198, 06-000269,06-000280,07-000053,07-000043. 07-000276 |
|---|---|
| CR Submitter(s): | |
| Date of CR Submission to GSMP: | |

## Business Requirements Document (BRAD) Reference

| BRD Title: | |
|---|---|
| BRD Date: | |
| BRD Version: | |

## Document Summary

| Document Title: | BMS Align/ Trade Item |
|---|---|
| Document Version | 9.0.7 |
| Owner: | GDSN |
| Status: | (*Check one box*)   ☐ DRAFT   ☑ Approved |
| BMS Template Version: | 1.1 |
| Targeted BMS Publication Version | 2.1 |

## Document Change History

| Date of Change | Version | Changed By | Reason for Change | Summary of Change | Model Build # |
|---|---|---|---|---|---|
| 30.12.2004 | 9.0.0 | Eric Kauz | Initial Draft of BSD | | |
| 04.03.2005 | 9.0.1 | Eric Kauz | Incorporation of Apparel, Hardlines and Item Regional. | | |

## Business Message Standard

### Table of contents

| | | | | | |
|---|---|---|---|---|---|
| 31.03.2005 | 9.0.2 | Andrew Hearn | Context Update | Updated the context listed within the document | N/A |
| 23.05.2005 | 9.0.3 | Eric Kauz | Update to GDSN Classification to fix errata. | | |
| 03.03.2006 | 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. | |
| 12.06.2006 | 9.0.5 | Eric Kauz | •Changed packaging-TermsandConditions to packaging-TermsAndCondition.•Updated definition of TradeItemDescription to eliminate field length references. | Comment review period. | |
| 20.04.2007 | 9.0.6 | Giovanni Biffi/Eric Kauz | •Code Value added to the SpecialItemCodeList<br><br>•Code Value added to Packaging-Material-CodeList<br><br>•Code Value added to the SizeType-CodeList<br><br>•Code Values added to the Additional-Classificatio-nAgency-CodeList<br><br>•Code Values added to the Packaging-TermsAnd-Condition- | Changes corresponding to the GDSN Maintenance Release 1 | |

| | | | | | |
|---|---|---|---|---|---|
| | | | sCodeList <br><br> • Added business rules from Item BRD <br><br> • Updated Business Rules for Target Market Subdivision Code, Functional Name, Trade Item Country Of Origin, Net Weight. | | |
| 05.07.2007 | 9.0.7 | Eric Kauz | • Removed Code 12 (ICC) from the Additional-ClassificationAgency-CodeList | Requirement for code value was in error. | |

# 1 Business Solution

## 1.1 Business Domain View

### 1.1.1 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 is the same for ALL EAN.UCC 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.

### 1.1.2 Objective

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

### 1.1.3 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.

### 1.1.4 Artefacts

| Artefact name | State | Artefact / State description |
|---|---|---|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

### 1.1.5 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 | |
| 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 | |

### 1.1.6 Acknowledgements

*(List of the individuals—and their companies—who participated in the creation, review and approval of this BMS.)*

#### 1.1.6.1 BRG Members

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

### 1.1.6.2 ITRG Members

| Function | Name | Company / organisation |
|---|---|---|
| ITRG Chair | | |
| ITRG Member | | |
| ITRG Member | | |
| ITRG Member | | |
| ... | | |

### 1.1.6.3 Task/Project Group Participants (*where applicable*)

| Function | Name | Company / organisation |
|---|---|---|
| Participant | | |
| Participant | | |
| Participant | | |

### 1.1.6.4 Design Team Members

| Function | Name | Organisation |
|---|---|---|
| Modeller | Ryu, John<br>Eric Kauz<br>Giovanni Biffi | GS1 |
| XML Technical Designer | Dipan Anarkat | GS1 |
| EANCOM Technical Designer | | |
| Peer Reviewer | | |

## 1.2   Business Context

*(Note:  The business context of the business)*

| Context Category | Value(s) |
|---|---|
| Industry | All |
| Geopolitical | All |
| Product | All |
| Process | Align_GDSN |
| System Capabilities | EAN.UCC |
| Official Constraints | None |

## 1.3   Additional Technical Requirements Analysis

### 1.3.1   Technical Requirements (optional)

Not Applicable

## 1.4 Business Transaction View

### 1.4.1 Business Transaction Use Case Diagram

### 1.4.2 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 suppier, buyer or third party. |
| Actors (Goal) | 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. |

| Actor's Name | Description | Buyer | Seller | 3rd 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 | 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. |
| | 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. |

## Business Solution Design

| 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 | **Begins when**... trading partners discuss the need to exchange item information. |
|---|---|

**Continues with**...

| 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. |

**Ends when**... 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 | *(any alternatives to the above scenario)* |
|---|---|

| Step # | Actor | Activity Step |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

| Related Requirements | |
|---|---|
| 1 | |

**Related Rules**

| Attribute Name | Business Rules |
|---|---|
| additionalClassificationAgency-Name | 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 Bar Code 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. |
| classificationCategoryCode | The system will assign Bricks on a first-approved, first-served basis. Mandatory within the Data Sync process. |
| colorCodeListAgency | If colour code is indicated, colorCodeListAgency is required. |
| colorCodeValue | If color code is indicated, colorCodeListAgency is required. EANCOM code list is to be used. This is used by certain industries which maintain specific color 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. |
| dangerousGoodsRegulationCode | Various systems (ADR, RID, US49, IATA, etc.) exist and are used for hazard classification and identification. Repeat-able field http://www.unece.org/trade/untdid/d99b/tred/tred8273.htm Hazardous attributes relate to supply chain handling (e.g. transport, storage, handling). |
| deliveryToDistributionCenterTem-peratureMaximum | 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. |
| deliveryToDistributionCenterTem-peratureMinimum | 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. |
| deliveryToMarketTemperature-Maximum | 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. |
| deliveryToMarketTemperature-Minimum | 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). |
| 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 |

| | | |
|---|---|---|
| | 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. |
| | 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.<br><br>Additional examples include:<br>Yogurt<br>Hammer<br>Paint<br>Nail<br>Towel<br>DVD<br>Computer<br>Flour<br>Sheets<br>Shirt<br>Pants<br>Jeans<br>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) See to the EAN.UCC specifications. 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. |
| | 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 salable 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. |
| | isTradeItemAConsumerUnit | There can be more than one consumer unit in one hierarchy. |
| | isTradeItemADespatchUnit | There can be more than one despatch unit in one hierarchy. |
| | 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. |
| | 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. This attribute is mandatory if the Material Safety Data Sheet attribute is "Y". |
| --- | --- |
| 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. |
| netContent | netContent is primarily for shelf labeling and price comparison and is not primarily a description field.<br><br>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.<br><br>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.<br><br>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.<br><br>In case of variable measure trade items, indicate the average quantity."<br><br>Attribute priceComparisonMeasurement is also used to provide a price comparison when the comparison is other than netContent. |
| netWeight | For consumer unit, Net Content replaces Net Weight (can then be weight, size, volume). Has to be associated with a valid UoM.<br><br>Weight excludes all packaging material, including the packaging material for all lower-level GTINs.<br><br>**Example**<table><tr><td>GTIN</td><td>Trade Item Unit Descriptor</td><td>Total Quantity Of Next Lower Level Trade Item</td><td>Net weight</td><td>Net weight UoM</td><td>Gross Weight</td><td>Gross Weight UoM</td></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> |
| offerOnPack | 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. |
| orderingLeadTime | 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. |
| orderingUnitOfMeasure | EAN.UCC 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 |
| | 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. |
| | 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. |
| | 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 | The value of quantityOfLayersPerPallet must be available when non-GTIN logistic unit shipments are made.<br><br>For more detailed information relating to Non GTIN pallet information please refer to the Trade Item Implementation guide."<br><br>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 |
| | quantityOfTradeItemsContainedI-nACompleteLayer | 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. |
| | quantityOfTradeItemsPerPalletLayer | 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.<br><br>For more detailed information relating to Non GTIN pallet information please refer to the Trade Item Implementation guide. |
| | replacedTradeItemIdentification are presented 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 criterion for changing a GTIN except when the price is printed as a part of the trade item's packaging. |
| | 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-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 sub country 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. |
| | tradeItemCountryOfOrigin | 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.<br><br>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. |
| | tradeItemDescription | This field is automatically generated by the concatenation of the "brand"," sub-brand", "functional name" and "variant". Free form text field, this data element is repeatable for each language used and must be associated with a valid ISO language code . <br><br> This is a derived attribute resulting from the concatenation of 4 other attributes. When implemented, these four attributes may be concatenated as appropriate. Item description is part of the set of core data that will be stored in the Registry. |
| | 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. |
| | 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. |
| | 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. |

### 1.4.3   Business Transaction Activity Diagram(s)

Not Available.

### 1.4.4   Business Transaction Sequence Diagram(s) (optional)

Not Available.

## 1.5    Information Model (including GDD Report)

### 1.5.1    Data Description (Related Requirements)

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Related Requirement |
|---|---|---|---|---|
| GDSNTradeItemClassification | | | | |
| | classificationCate-goryCode | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | classificationCate-goryDefinition | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | classificationCate-goryName | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | additionalClassifi-cation | ClassificationCategory | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | GDSNTradeItemClassifi-cationAttributeType | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| ClassificationCategory | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | additionalClassifica-tionAgencyName | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | additionalClassifica-tionCategoryCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | additionalClassifica-tionCategoryDescrip-tion | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| GDSNTradeItemClassifica-tionAttributeType | | | | |
| | eANUCCClassifica-tionAttributeType-Code | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | eANUCCClassifica-tionAttributeTypeDe- | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | | | |
|---|---|---|---|---|
| | finition | | | |
| | eANUCCClassifica-tionAttrib-uteTypeName | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | GDSNTradeItemClassifi-cationAttributeValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| GDSNTradeItemClassifica-tionAttributeValue | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | eANUCCClassifica-tionAttributeValue-Code | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | eANUCCClassifica-tionAttributeValue-Name | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| ChildTradeItem | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityofNextLower-LevelTradeItem | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| InformationProvider | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | nameOfInformation-Provider | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | information-Provider | PartyIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| NextLowerLevelTradeItemIn-formation | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfChildren | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | totalQuantity-OfNextLower-LevelTradeItem | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | None | ChildTradeItem | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
|---|---|---|---|---|
| TradeItem | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | tradeItemUnitDe-scriptor | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | NextLower-LevelTradeItemIn-formation | NextLowerLevelTrade-ItemInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | replacedTrade-ItemIdentification | TradeItemIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| TradeItemDescriptionInforma-tion | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | brandName | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | productRange | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | subBrand | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | tradeItemFormDe-scription | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | tradeItemGroupIden-tificationCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | linkToExternalDe-scription | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | descriptionShort | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | functionalName | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | invoiceName | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
|---|---|---|---|---|
| | | tradeItem-GroupIdentifica-tionDescription | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | variant | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| TradeItemDocument | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | Document | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | tradeItemDocu-mentIdentification | EntityIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItem | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| TradeItemIdentification | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | globalTradeItem-Number | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | AdditionalTradeItemIden-tification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| TradeItemInformation | | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | AllowanceCharge | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | classification-CategoryCode | GDSNTradeItemClassifi-cation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | information-ProviderOfTrade- | InformationProvider | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | Item | | |
|---|---|---|---|---|
| | | None | PaymentTerms | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TargetMarketInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemDescriptionIn-formation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradingPartnerNeutral-TradeItemInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

**Business Solution Design**

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Related Requirement |
|---|---|---|---|---|
| | | | | |
| BrandOwnerOfTradeItem | | | | |
| | nameOfBrandOwner | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | | brandOwner | PartyIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| ManufacturerOfTradeItem | | | | |
| | nameOfManufacturer | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | manufacturer | PartyIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| MarketingInformation | | | | |
| | campaignEndDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | campaignName | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | campaignStartDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | specialItemCode | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | tradeItemFeature-Benefit | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | tradeItemMarketing-Message | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |

| MaterialComposition | | | | |
|---|---|---|---|---|
| | materialAgencyCode | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | materialContent | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | materialPercentage | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | materialCode | MultiDescription | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| MaterialSafetyData | | | | |
| | materialSafety-DataSheetNumber | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| NonPackagedSizeDimension | | | | |
| | descriptiveSizeDi-mension | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | sizeDimension | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | sizeSystem | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | sizeType | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| NonPackageTradeItemDimen-sion | | | | |
| | sizeGroup | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | None | NonPackagedSizeDi-mension | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| OrderingAndSellingUnitOf- | | | | |

| Measure | | | | |
|---|---|---|---|---|
| | orderingUnitOfMeasure | | | (BRD) for Hardlines Item V0.08 |
| | sellingUnitOfMeasure | | | (BRD) for Hardlines Item V0.08 |
| | | | | |
| OrganicTradeItemCharacteristics | | | | |
| | organicClaimAgency | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | organicTradeItemCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| PackagingMarking | | | | |
| | isPackagingMarkedReturnable | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isPackagingMarkedWithIngredients | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | offerOnPack | | | |
| | packageMarksDietAllergen | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | packageMarksEnvironment | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | packageMarksEthical | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | packageMarksFreeFrom | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | packagingMarkedExpirationDateType | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | packagingMarkedRecyclableScheme | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | | | |
| PackagingMaterial | | | | |

| | | packagingMateri-alDescription | MultiDescription | |
|---|---|---|---|---|
| | packagingMaterial-Code | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | packagingTerm-sAndCondition | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | returnablePack-ageDepositCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | packagingMaterial-CodeListMainte-nanceAgency | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | depositValueEffec-tiveDate | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | depositValueEndDate | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | packagingMateri-alDescription | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | packagingMateri-alComposition-Quantity | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| PackagingType | | | | |
| | packagingTypeCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | packagingTypeDe-scription | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| PegMeasurements | | | | |
| | pegHoleNumber | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | pegHorizontal | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | pegVertical | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |

| | | | | |
|---|---|---|---|---|
| PriceOnTradeItem | | | | |
| | retailPriceOnTrade-Item | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| PrivateInformation | | | | |
| | | partyReceiving-PrivateData | PartyIdentification | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| Season | | | | |
| | seasonalAvailabili-tyEndDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | seasonalAvailabili-tyStartDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | seasonCalendarYear | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | seasonName | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | seasonParameter | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| SecurityTagInformation | | | | |
| | securityTagLocation | | | (BRD) for Hardlines Item V0.08 |
| | securityTagType | | | (BRD) for Hardlines Item V0.08 |
| | | | | |
| TaxAgency | | | | |
| | taxAgencyCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | taxTypeCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | taxTypeDescription | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | | | |
|---|---|---|---|---|
| TargetConsumer | | | | |
| | targetConsumerAge | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | targetConsumerGender | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| TradeItemColorDescription | | | | |
| | colorCodeListAgency | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | colorCodeValue | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | colorDescription | MultiDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemCoupon | | | | |
| | couponFamilyCode | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | | | | |
| TradeItemDateInformation | | | | |
| | canceledDate | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | consumerAvailabilityDateTime | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | discontinuedDate | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | effectiveDate | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | endAvailabilityDateTime | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | lastChangeDateTime | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |

| | | | | |
|---|---|---|---|---|
| | publicationDate | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | startAvailability-DateTime | | | BRD Data Synchronization Data Model for Trade Item(Data Definition) V7.6 |
| | endDateMaximum-BuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | endDateMinimum-BuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | endDateTimeOfEx-clusivity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | firstOrderDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | firstShipDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | lastOrderDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | lastShipDate | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | startDateMaximum-BuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | startDateMinimum-BuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | | | |
| TradeItemFinish | | | | (BRD) for Hardlines Item V0.08 |
| | | | | |
| TradeItemHandlingInformation | | | | |
| | minimumTradeItem-LifespanFromTimeO-fArrival | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | minimumTradeItem-LifespanFrom-TimeOfProduction | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |

| | | | | |
|---|---|---|---|---|
| | stackingFactor | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | handlingInstructionsCode | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | stackingWeight-Maximum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemHierarchy | | | | |
| | quantityOfComplete-LayersContainedInA-TradeItem | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfInnerPack | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfLayersPer-Pallet | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfNex-tLevelTradeItem-WithinInnerPack | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfTradeItem-sContainedInACom-pleteLayer | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfTrade-ItemsPerPallet | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | quantityOfTrade-ItemsPerPalletLayer | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemImportIdentification | | | | |
| | importClassification-Type | | | (BRD) for Hardlines Item V0.08 |
| | importClassification-Value | | | (BRD) for Hardlines Item V0.08 |
| | | | | |

| TradeItemMarking | | | | |
|---|---|---|---|---|
| | hasBatchNumber | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isNonSoldTrade-ItemReturnable | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeItemMarke-dAsRecyclable | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemMaterial | | | | |
| | materialWeight | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | threadCount | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | | | |
| TradeItemMeasurements | | | | |
| | genericIngredient | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | ingredientStrength | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isNetContentDeclara-tionIndicated | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | depth | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | diameter | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | drainedWeight | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | genericIngredi-entStrength | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | grossWeight | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | height | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item |

| | | | | |
|---|---|---|---|---|
| | | | | (Data Definition) V7.6 |
| | | netContent | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | netWeight | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | priceComparisonContentType | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | priceComparisonMeasurement | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | tradeItemCompositionWidth | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | width | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PegMeasurements | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | | | |
| TradeItemOrderInformation | | | | |
| | isTradeItemReorderable | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | isTradeItemSizeBasedPricing | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | agreedMinimumBuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | agreedMaximumBuyingQuantity | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | FirstDeliveryDateTime | | | |
| | orderingLeadTime | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | orderQuantityMaximum | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | | | |
|---|---|---|---|---|
| | orderQuantityMini-mum | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | orderQuantityMultiple | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | goodsPickU-pLeadTime | MultiMeasurementValue | |
| | | orderSizingFactor | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemPalletInformation | | | | |
| | palletTermsAndCon-ditions | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | palletTypeCode | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemPriceDateInforma-tion | | | | |
| | effectiveEndDate | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | effectiveStartDate | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | tradeItemPrice | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemSizeDescription | | | | |
| | descriptiveSize | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | sizeCodeListAgency | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | sizeCodeValue | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |

| TradeItemTaxAmount | | | | |
|---|---|---|---|---|
| | taxAmount | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TaxAgency | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemTaxInformation | | | | |
| | | None | TradeItemTaxAmount | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemTaxRate | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemTemperatureInformation | | | | |
| | | deliveryToDistributionCenterTemperatureMaximum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | deliveryToDistributionCenterTemperatureMinimum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | deliveryToMarketTemperatureMaximum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | deliveryToMarketTemperatureMinimum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | storageHandlingHumidityMaximum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | storageHandlingHumidity- | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |

| | | Minimum | | |
|---|---|---|---|---|
| | | storageHandling-Temperature-Maximum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | storageHandling-Temperature-Minimum | MultiMeasurementValue | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | | | |
| TradeItemUnitIndicator | | | | |
| | isTradeItemABase-Unit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeItemACon-sumerUnit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeIte-mADespatchUnit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeItemAnIn-voiceUnit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeItemAnOrder-ableUnit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | isTradeItemAVari-ableUnit | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | priceByMeasureType | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | variableTradeItem-Type | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.7 |
| | | | | |
| TradingPartnerNeutralTrade-ItemInformation | | | | |
| | barCodeType | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | classCompli-anceRegulationCode | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |

| | | | | |
|---|---|---|---|---|
| | tradeItemCountryO-fAssembly | | | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | tradeItemCountryO-fOrigin | | | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | BrandOwnerOfTradeItem | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | ManufacturerOfTrade-Item | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | MarketingInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | MaterialComposition | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | MaterialSafetyData | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | NonPackageTradeItem-Dimension | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | None | OrderingAndSellingUni-tOfMeasure | (BRD) for Hardlines Item V0.08 |
| | | None | OrganicTradeItemChar-acteristics | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PackagingMarking | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PackagingMaterial | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PackagingType | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PriceOnTradeItem | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | PrivateInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | Season | (BRD) For Trade Item Extension Apparel and Home Fashions V 2.4 |
| | | None | SecurityTagInformation | (BRD) for Hardlines Item V0.08 |

| | | None | TargetConsumer | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
|---|---|---|---|---|
| | | None | TradeItemColorDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemCoupon | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemDateInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemFinish | (BRD) for Hardlines Item V0.08 |
| | | None | TradeItemHandlingInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemHazardousInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemHierarchy | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemImportIdentification | (BRD) for Hardlines Item V0.08 |
| | | None | TradeItemMarking | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemMaterial | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemMeasurements | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemOrderInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemPalletInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | cataloguePrice | TradeItemPriceDateInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | suggestedRetailPrice | TradeItemPriceDateInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemSizeDescription | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

| | | None | TradeItemTaxInformation | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
|---|---|---|---|---|
| | | None | TradeItemTemperature-Information | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |
| | | None | TradeItemUnitIndicator | BRD Data Synchronization Data Model for Trade Item (Data Definition) V7.6 |

### 1.5.2 GDD Report

**Trade Item Document**

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Official Dictionary Entry Name | Definition | Multiplicity |
|---|---|---|---|---|---|---|
| | | | | | | |
| GDSNTradeItemClassification | | | | GDSN_ Product Classification. Details | Not Available | |
| | classificationCategoryCode | | | GPC_ Product Classification. Class. Identifier | A code that identifies a category in the GPC product classification. | 1..1 |
| | classificationCategoryDefinition | | | GPC_Product Classification. Class Description. Text | System generated explanation of Global EAN.UCC category. | 0..1 |
| | classificationCategoryName | | | GPC_Product Classification. Class Name. Text | The system generated text equivalent of the Global EAN.UCC classification category code. | 0..1 |
| | | additionalClassification | ClassificationCategory | 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..* |
| | | | GDSNTradeItemClassificationAttributeType | GPC_Product Classification.Association. GPC_ Product Classification Attribute | Contains information which identifies the GPC classification attribute for a trade item. | 0..7 |
| | | | | | | |
| ClassificationCategory | | | | Non-GPC_ Product Classification. Details | Provides details on product classifications used in addition to the Global EAN.UCC | |

| | | | | | schema. | |
|---|---|---|---|---|---|---|
| | additional-ClassificationAgencyName | | | 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 |
| | additional-ClassificationCategoryCode | | | Non-GPC_ Product Classification. Class. Identifier | !! Category code based on alternate classification schema chosen in addition to EAN/UCC classification schema. | 1..1 |
| | additional-ClassificationCategoryDescription | | | Non-GPC_ Product Classification. Class Description. Text | !! Description of the additional classification bundle (code/agency + description). | 0..1 |
| GDSNTradeItemClassificationAttributeType | | | | GPC_ Product Classification Attribute. Details | Global EAN.UCC classification attribute code | |
| | eANUCCClassificationAttributeTypeCode | | | GPC_ Product Classification Attribute. Type. Identifier | Unique 8 digit code which identifies the Global EAN.UCC classification attribute. | 1..1 |
| | eANUCCClassificationAttributeTypeDefinition | | | GPC_ Product Classification Attribute. Type Definition. Text | System generated explanation of Global EAN.UCC attribute. | 0..1 |
| | eANUCCClassificationAttributeTypeName | | | GPC_ Product Classification Attribute. Type Name. Text | The system generated text equivalent of the Global EAN.UCC classification attribute code | 0..1 |
| | | None | GDSNTrade- | GPC_ Product Classifica- | None | 1..1 |

| | | | | ItemClassifi-cationAttrib-uteValue | tion Attribute. Association. GPC_ Product Classification Attribute Value | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| GDSNTrade-ItemClassifi-cationAttrib-uteValue | | | | | GPC_ Product Classification Attribute Value. Details | Provides the actual value of the Global Product Classification attribute. | |
| | eANUCCClassificationAttributeValueCode | | | | GPC_ Product Classification Attribute Value. Code. Identifier | Unique 8 digit code which identifies the Global EAN.UCC classification attribute value. | 1..1 |
| | eANUCCClassificationAttributeValueName | | | | GPC_ Product Classification Attribute Value. Name. Text | The system generated text equivalent of the Global EAN.UCC classification attribute value code. | 0..1 |
| | | | | | | | |
| ChildTrade-Item | | | | | Child_ Trade Item. Details | Not Available | |
| | quantity-ofNextLowerLevelTrade-Item | | | | 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 |
| | | None | Trade-ItemIdentification | | 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 |
| | | | | | | | |
| Information-Provider | | | | | Information Provider_ Party. Details | !! This class is part of the Trade Item Information Class | |
| | nameOfIn-formation-Provider | | | | 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 pro- | 1..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | vided | |
| | | information-Provider | PartyIdentifi-cation | Information Provider_ Party. Identification. Party Identification | None | 1..1 |
| | | | | | | |
| NextLower-LevelTrade-ItemInforma-tion | | | | Next Lower Level_ Trade Item Containment. Details | !! This class originates in the root class TradeItem | |
| | quantityOf-Children | | | Next Lower Level_ Trade Item Containment. Num-ber Of Children_ Quantity. Quantity | Value indicates the number of unique next lower level trade items contained in a com-plex trade item. A complex trade item can contain at least 2 different GTINs. | 1..1 |
| | totalQuantity OfNextLow-er-LevelTrade-Item | | | 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 |
| | | None | ChildTrade-Item | Next Lower Level_ Trade Item Containment. Asso-ciation. Child_ Trade Item | None | 1..* |
| | | | | | | |
| 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 re-ferred to within the General EAN.UCC Speci-fications 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 contain- | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | ment, and also can represent a service. | |
| | tradeItemU-nitDescriptor | | | Trade Item. Unit Descriptor. Unit Descriptor_ Code | Describes the hierarchical level of the trade item. TradeItemUnitIndicator is mandatory. Examples: "CASE" , "PALLET" | 1..1 |
| | | NextLower-LevelTrade-ItemInforma-tion | NextLower-LevelTrade-ItemInforma-tion | Trade Item. Association. Next Lower Level_ Trade Item Containment | Not Available | 0..1 |
| | | None | Trade-ItemIdentifica-tion | Trade Item. Association. Trade Item Identification | None | 1..1 |
| | | replaced-Trade-ItemIdentifi-cation | Trade-ItemIdentifica-tion | 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 |
| | | None | TradeItemIn-formation | Trade Item. Association. Trade Item Information Group | None | 1..1 |
| | | | | | | |
| TradeItem-Description-Information | | | | Trade Item Description. Details | !! This class is part of the Trade Item Infor-mation Class | |
| | 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 con-sumer. | 1..1 |
| | produc-tRange | | | 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 |
| | 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 Clas-sic. In this example Yummy-Cola is the brand | 0..1 |

| | | | | | and Classic is the subBrand. | |
|---|---|---|---|---|---|---|
| | tradeItem-FormDe-scription | | | 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..* |
| | tradeItem-GroupIden-tification-Code | | | 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 |
| | linkToExter-nalDescrip-tion | | | Trade Item Description. Link To External Description. Text | !!The link (e.g. URL) to the external description. | 0..1 |
| | | description-Short | MultiDescrip-tion | 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 |
| | | functional-Name | MultiDescrip-tion | 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 |
| | | invoice-Name | MultiDescrip-tion | 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, | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD. | |
| | | tradeItem-GroupIden-tificationDe-scription | MultiDescrip-tion | Trade Item Description. Group. Multi-language Description | The text description of the value represented by the trade itemGroupIDCode. | 0..1 |
| | | variant | MultiDescrip-tion | 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..* |
| | | None | TradeItemDe-scription | Trade Item Description. Association.Trade Item Description | The concatenated product description of a product or service. This is a derived attribute resulting from the concatenation of 4 other attributes. When implemented, these four attributes may be concatenated as appropri-ate. Item description is part of the set of core data that will be stored in the Registry. | 0..* |
| | | None | Additional-TradeItemDe-scription | Trade Item Description. Association. Addi-tional_Trade Item De-scription | Additional variants necessary to communi-cate to the industry to help define the prod-uct. 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 spe-cific definition of this data type and field, 1-350, as defined in the Trade Item BRD. | 0..* |

| | | | | | | |
|---|---|---|---|---|---|---|
| TradeItem-Document | | | | Trade Item Alignment. Details | !! This is the root class of the Trade Item Message. | |
| | | None | Document | Trade Item Alignment. Inheritance_ Association. Electronic_ Document | None | 1..1 |
| | | tradeItem-Documen-tIdentifica-tion | EntityIdentifi-cation | Trade Item Alignment. Association. Entity Identi-fication | !! This is a role from the TradeItemDocument root class. The destination class is Entity-Identification. | 1..1 |
| | | None | TradeItem | Trade Item Alignment. Association. Trade Item | None | 1..1 |
| | | | | | | |
| Trade-ItemIdentifi-cation | | | | Trade Item Identification. Details | None | |
| | globalTrade-ItemNumber | | | 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, deliv-ered and or invoiced at any point in any sup-ply chain. | 1..1 |
| | | None | Additional-Trade-ItemIdentifica-tion | Trade Item Identification. Additional. Non GTIN_ Trade Item Identification | A trade item identifier, usually associated with a specific business need, that is in addi-tion to the GTIN, for example, a buyer's, or seller's item number. The additional identifi-cation should be associated with a specific business need. | 0..* |
| | | | | | | |
| TradeItemIn-formation | | | | Trade Item Information Group. Details | !! This class is part of the Trade Item Class. | |
| | | None | Allow- | Trade Item Information | !! This is a reusable class referenced in the | 0..* |

| | | | anceCharge | Group. Association. Al-lowance Charge | Item BRD as part of the Trade Item Informa-tion class. See EAN.UCC Business Message Standard for Allowance-Charge Extension, July 2001. | |
|---|---|---|---|---|---|---|
| | | classifica-tionCate-goryCode | GDSNTrade-ItemClassifi-cation | Trade Item Information Group. Classification Category Code_ Associa-tion. GDSN_Product Classification | Identifies a category in the GPC and other product classifications. | 0..1 |
| | | information-ProviderOf-TradeItem | Information-Provider | Trade Item Information Group. Association. In-formation Provider_ Party | The GLN and additional identification(s) that identify the party providing the information about the trade item. | 1..1 |
| | | None | Payment-Terms | Trade Item Information Group. Association. Pay-ment Terms | !! This is a reusable class referenced in the Item BRD as part of the Trade Item Informa-tion class. See EAN.UCC Business Message Standard for Payment Terms Extension, July 2001. | 0..* |
| | | None | TargetMarket-Information | Trade Item Information Group. Association. Named_ Target Market | None | 0..* |
| | | None | TradeItemDe-scriptionIn-formation | Trade Item Information Group. Association. Trade Item Description | None | 1..1 |
| | | None | TradingPart-nerNeutral-TradeItemIn-formation | Trade Item Information Group. Association. Trad-ing Partner Neutral_ Trade Item | None | 1..1 |

Trading Partner Neutral Trade Item Information

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Official Dictionary Entry Name | Definition | Multi-plicity |
|---|---|---|---|---|---|---|
| | | | | | | |
| BrandOwn-erOfTrade-Item | | | | Brand Owner_ Party. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class | |
| | nameOf-BrandOwner | | | Brand Owner_ Party. Name. Text | Name of the party who owns the brand of the trade item. Mandatory when brandOwner Party identification is pro-vided. | 1..1 |
| | | brandOwner | PartyIdentifi-cation | Brand Owner_ Party. Association. Party Identifi-cation | 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 |
| | | | | | | |
| Manufactur-erOfTrade-Item | | | | Manufacturer_ Party. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class | |
| | nameOf-Manufac-turer | | | Manufacturer_ Party. Name. Text | Descriptive name of the manufacturer of the trade item. | 0..1 |
| | | manufac-turer | PartyIdentifi-cation | Manufacturer_ Party. Association. Party Identifi-cation | None | 1..1 |
| | | | | | | |
| MarketingIn- | | | | Trade Item_ Marketing. | Not Available | |

| formation | | | | Details | | |
|---|---|---|---|---|---|---|
| | cam-paignEnd-Date | | | 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 |
| | campaign-Name | | | Trade Item_ Marketing. Campaign_Name. Lan-guage_ Text | Name of the sales or marketing cam-paign, for which the textile trade item is intended. Input of user-defined text in order to assign the item to a specific mar-keting campaign. | 0..1 |
| | campaign-StartDate | | | 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 |
| | special-ItemCode | | | Trade Item_ Marketing. Special Item Code. Spe-cial Item Code_ Code | This element identifies specific items for promotional or special tracking purposes. | 0..* |
| | tradeItem-Feature-Benefit | | | Trade Item_ Marketing. Feature_Benefit. Lan-guage_ Text | Element for consumer facing marketing content to describe the key features or benefits of the style suitable for display purposes. | 0..* |
| | tradeItem-Marketing-Message | | | Trade Item_ Marketing. Marketing_Message. an1000_ Language_ Text | Marketing message associated to the Trade item. | 0..1 |
| | | | | | | |
| Material-Composition | | | | Product_ Material Com-position. Details | None | |
| | materialA-gencyCode | | | Product_ Material Com-position. 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 |
| | materialCon-tent | | | Product_ Material Com-position. Material Con-tent_ Description. Text | This element is used to indicate the mate-rial composition. This element is used in con-junction with the percentage. | 0..1 |
| | materialPer-centage | | | Product_ Material Com-position. Material_ Per- | Net weight percentage of a product mate-rial of the first main material. The percent- | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | centage. Percent_ Numeric | ages must add up to 100. | |
| | | material-Code | 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 |
| | | | | | | |
| Material-SafetyData | | | | Material Safety Data Sheet. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | material-Safety-DataSheet-Number | | | 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 |
| | | | | | | |
| NonPack-agedSize-Dimension | | | | Apparel_Home Fashions_ Product Size Group. Details | None | |
| | descriptive-SizeDimen-sion | | | Apparel_Home Fashions_ Product Size Group. Choice_ Dimension_ Description. Text | The textual representation of the size dimension specified by the size type. | 1..1 |
| | sizeDimen-sion | | | 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 |
| | 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 de-fine the size dimension. | 0..1 |
| | sizeType | | | Apparel_Home Fashions_ Product Size Group. | The type of size dimension being specified by the size measurement. | 1..1 |

| | | | | Size_ Type. Size Type Code_ Code | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| NonPack-ageTrade-ItemDimen-sion | | | | Apparel_ Home Fash-ions_ Product Size. De-tails | None | |
| | sizeGroup | | | Apparel_ Home Fash-ions_ 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 |
| | None | NonPack-agedSizeDi-mension | | Apparel_ Home Fash-ions_ Product Size. Asso-ciation. Apparel_Home Fashions_ Product Size Group | None | 1..* |
| | | | | | | |
| Orderin-gAndSellin-gUnitOf-Measure | | | | Ordering_ Selling_ Trade Item Unit Information. Details | None | |
| | orderingUni-tOfMeasure | | | Ordering_ Selling_ Trade Item Unit Information. Ordering_ Transaction Unit Of Measure. Text | The alternate Unit of Measure of how Trade Items are ordered by the Retailer under one Unit of Measure, but sold un-der another Unit of Measure. | 0..1 |
| | sellingUni-tOfMeasure | | | 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 |
| | | | | | | |
| Organic-TradeItem-Characteris-tics | | | | Organic_ Trade Item. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | organic-ClaimA-gency | | | Organic_ Trade Item. Claim_ Agency Name. Text | A Governing body that creates and maintains standards related to organic products. | 1..* |
| | organic-TradeItem-Code | | | 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 |
| | | | | | | |
| Packaging-Marking | | | | Packaging Marking. De-tails | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | isPackag-ingMark-edReturn-able | | | Packaging Marking. Re-turnable_ Marking. Indica-tor | 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 |
| | isPackag-ingMarked-WithIngredi-ents | | | Packaging Marking. In-gredients_ Marking. Indi-cator | 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 level). This is a yes/no (Boolean) where yes equals marked with ingredients. | 0..1 |
| | offerOnPack | | | Packaging Marking. Offer On Pack. Text | Contains details of any on pack product offer (consumer or traded). | 0..1 |
| | package-MarksDie-tAllergen | | | 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..* |
| | package-MarksEnvi-ronment | | | 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..* |
| | package- | | | Trade Item_ Packaging | Indication of which ethical trading marks | 0..* |

| | | | | | | |
|---|---|---|---|---|---|---|
| | MarksEthical | | | Marking. Ethical_ Marked As. Package Marks Ethical Code List_ Code | that are on the package. | |
| | package-MarksFree-From | | | Trade Item_ Packaging Marking. Free From_ Marked As. Package Marks Free From Code List_ Code | Indication of which free-from marks that are on the package. | 0..* |
| | packaging-MarkedExpiration-DateType | | | Trade Item_ Packaging Marking. Date Expiration Type_ Marked As. Packaging Marked Expiration Date Code_ Code | Indicates the type of expiration date marked on the packaging. | 0..* |
| | packaging-MarkedRe-cycla-bleScheme | | | 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 |
| | | | | | | |
| Packaging-Material | | | | Packaging Material. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | packaging-Material-Code | | | Packaging Material. Type. Packaging Material_ Code | The code identifying the type of package used as a container of the trade item. | 1..1 |
| | packaging-TermsAnd-Condition | | | 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 |
| | return-ablePack-ageDe-positCode | | | 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | return-ablePack-ageDeposi-tAmount | | | Packaging Material. Re-turnable Package_ De-posit_Amount. Amount | The monetary amount for the individual returnable package. | 0..1 |
| | packaging-Material-CodeList-Mainte-nanceAgenc y | | | Packaging Material. Code List Maintenance Agency. Text | The agency or agencies controlling the packaging code lists of each country. | 1..1 |
| | depositVal-ueEffective-Date | | | Packaging Material. Effec-tive_ Deposit Value Date. Date Time | First date that the deposit value is valid for the deposit code. CCYYMMDD. | 0..1 |
| | depositVal-ueEndDate | | | 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 |
| | | packaging-MaterialDe-scription | MultiDescrip-tion | Packaging Material. De-scription. 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 requirements for item, please use the specific definition of this data type and field, 1-35, as de-fined in the Trade Item BRD. | 0..1 |
| | | packaging-Material-Composi-tionQuantity | MultiMeas-urementValue | Packaging Material. Com-position Quantity. Multi-unit Measure | The quantity of the packaging of the trade item. Can be weight, volume or surface, can vary by country. | 1..1 |
| | | | | | | |
| Packaging-Type | | | | Packaging. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | packaging-TypeCode | | | Packaging. Type. Packag-ing Type_ Code | The code identifying the type of package used as a container of the trade item. | 1..1 |
| | packaging- | | | Packaging. Description. | System generated text description of the | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | TypeDe-scription | | | Text | type of packaging used for the trade item. | |
| | | | | | | |
| PegMeas-urements | | | | Peg Location. Details | This class enables the description of multiple peg holes and their locations for a trade item. | |
| | pegHole-Number | | | 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 |
| | | pegHorizon-tal | MultiMeas-urementValue | Peg Location. Peg_ Hori-zontal. 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." Re-quired if the trade item is displayed on a peg board. | 1..1 |
| | | pegVertical | MultiMeas-urementValue | Peg Location. Peg_ Verti-cal. 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 |
| | | | | | | |
| PriceOn-TradeItem | | | | Price_ Packaging Mark-ing. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class | |
| | | None | retail-PriceOnTradeItem | Price_ Packaging Mark-ing. 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 priceOnPackIndi-cator. | 1..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| PrivateIn-formation | | | | Private Data Recipient_ Party. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class | |
| | | partyReceiv-ingPrivate-Data | PartyIdentifi-cation | Private Data Recipient_ Party. Association. Party Identification | None | 1..1 |
| | | | | | | |
| Season | | | | Trade Item_ Season. Details | None | |
| | sea-sonalAvail-abilityEnd-Date | | | Trade Item_ Season. Seasonal_End_ Availabil-ity Date. CCYYMMDD hhmm_ Date Time | Indicates the end date of the trade item's seasonal availability. | 0..1 |
| | sea-sonalAvail-abilityStart-Date | | | Trade Item_ Season. Seasonal_Start_ Availabil-ity Date. CCYYMMDD hhmm_ Date Time | Indicates the start date of the trade item's seasonal availability. | 0..1 |
| | seasonCal-endarYear | | | Trade Item_ Season. Season_ Calendar Year. Text | This element indicates the calendar year in which the trade item is seasonally available. | 0..* |
| | season-Name | | | Trade Item_ Season. Season_Name_ Descrip-tion. Text | Element defines the season applicable to the item. | 0..* |
| | season-Parameter | | | Trade Item_ Season. Season_ Parameter. Season Parameter Code_ Code | Indication of the season, in which the trade item is available, i.e. assignment to one of the following collection periods: spring/summer, autumn/ winter or all year around. | 0..* |
| | | | | | | |
| Security-TagInforma-tion | | | | Security Tag. Details | Not Available | |
| | securityTag- | | | Security Tag. Tag_ Loca- | This is a code to indicate where the EAS | 0..1 |

| | Location | | | tion. Security Tag Location Code Type_ Code | tag is located on the Trade Item. Values include On outside of Trade Item, Concealed inside Trade Item, Integrated Inside Trade Item. | |
|---|---|---|---|---|---|---|
| | security-TagType | | | 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 |
| | | | | | | |
| TaxAgency | | | | Tax Agency. Details | Not Available | |
| | taxAgency-Code | | | Tax Agency. Tax Agency Code. Text | Identifies the agency responsible for the tax code list. For example, X1 = BE, ICODIF/EAN Belgium - Luxembourg. | 1..1 |
| | taxType-Code | | | 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 |
| | taxTypeDe-scription | | | Tax Agency. Tax Type Description. Text | Automatically generated text description of tax type code. For example, "Taxes sure les supports audio". | 0..1 |
| | | | | | | |
| TargetConsumer | | | | Trade Item_ Target Consumer. Details | None | |
| | 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 |
| | 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 |
| | | | | | | |
| TradeItem-ColorDe-scription | | | | Trade Item Colour. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | colorCode-ListAgency | | | Trade Item Colour. Colour Code_ Agency. Text | The parties controlling the color code lists. Dependent on colour code value. If colour code is indicated, colorCodeListAgency is required. | 1..1 |
| | colorCode-Value | | | 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 |
| | | colorDe-scription | MultiDescrip-tion | 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 |
| | | | | | | |
| TradeItem-Coupon | | | | Trade Item Coupon. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | coupon-FamilyCode | | | 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 |
| | | | | | | |
| TradeItem-DateInformation | | | | Trade Item Date Group. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | canceled- | | | Trade Item Date Group. | Communicates cancellation of the launch | 0..1 |

| | Date | | | Cancelled_ Date. CCYYMMDD_ Date Time | of a trade item that was never and will never be manufactured, but may have been presented to buyers. Allows the reuse of the GTIN 12 months after cancellation. | |
|---|---|---|---|---|---|---|
| | consumerA-vailability-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 |
| | discontin-uedDate | | | 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 |
| | effective-Date | | | 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 mark a change in the information related to an existing trade item. This date would mark when these changes take effect. | 1..1 |
| | endAvailabil-ityDateTime | | | 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 |
| | lastChange-DateTime | | | 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 |

| | | | | Trade Item Date Group. | Description | |
|---|---|---|---|---|---|---|
| | publication-Date | | | 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 |
| | startAvail-ability-DateTime | | | Trade Item Date Group. Start Availability_ Date. CCYYMMDD hhmm_ Date Time | The date (CCYY-MM-DDTHH:MM:SS) from which the trade item becomes available from the supplier, including seasonal or temporary trade item and services. | 1..1 |
| | endDate-Maximum-Buy-ingQuantity | | | 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 |
| | 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 |
| | end-DateTimeOf Exclusivity | | | 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 |
| | firstOrder-Date | | | 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 |
| | 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 |
| | lastOrder-Date | | | 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 |
| | 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 |
| | startDate-Maximum-Buy-ingQuantity | | | 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | start-DateMini-mumBuy-ingQuantity | | | | 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 |
| | | | | | | | |
| TradeItem-Finish | | | | | Product Finish. Details | N.A | |
| | tradeItem-FinishDe-scription | | | | Product Finish. Finish_ Description. Text | Additional Attribute which defines the outer surface/appearance of the product. | 0..1 |
| | | | | | | | |
| TradeItem-HandlingIn-formation | | | | | Trade Item Handling. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | minimum-TradeItem-Lifespan-FromTimeO-fArrival | | | | Trade Item Handling. Lifespan. Duration_ Measure | The period of days, guaranteed by the manufacturer, before the 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. | 0..1 |
| | minimum-TradeItem-Lifespan-From-TimeOfPro-duction | | | | Trade Item Handling. Minimum From Production Time_Trade Item_ Life-span. Measure | The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production. | 0..1 |
| | stackingFac-tor | | | | 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 |
| | | | None | HandlingIn-structionCode | Trade Item Handling. Instruc-tion.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 | 0..* |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | 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 use the specific definition of this data type and field, 1-5, as defined in the Trade Item BRD. | |
| | | stacking-Weight-Maximum | MultiMeas-urementValue | Trade Item Handling. Stacking Maximum_ Weight. Multi-unit Meas-ure | 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 |
| | | | | | | |
| TradeItem-Hierarchy | | | | Trade Item Containment. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | quantityOf-Complete-LayersCon-tainedInA-TradeItem | | | Trade Item Containment. Complete Layers_ Quan-tity. 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 |
| | quantity-OfInnerPack | | | Trade Item Containment. Number Of Inner Packs_ Quantity. Quantity | Indicates the number of non-coded physi-cal groupings (innerpacks) of next lower level trade items within the current GTIN level. | 0..1 |
| | quantity-OfLayer-sPerPallet | | | Trade Item Containment. Layers Per Pallet_ Quan-tity. Quantity | The number of layers that a pallet con-tains. 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 |
| | quantity- | | | Trade Item Containment. | Indicates the number of next lower level | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | OfNex-tLevelTrade-ItemWithin-InnerPack | | | Items Per Inner Pack_ Quantity. Quantity | trade items contained within the physical non-coded grouping (inner pack). | |
| | quantityOf-TradeItem-sContaine-dInACom-pleteLayer | | | Trade Item Containment. Items Per Complete Layer_ Quantity. Quantity | The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical pack-aging structure of a trade item. Cannot be used for trade item base unit. | 0..1 |
| | quantityOf-Trade-ItemsPer-Pallet | | | Trade Item Containment. Items Per Pallet_ Quan-tity. 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 |
| | quantityOf-Trade-ItemsPer-PalletLayer | | | Trade Item Containment. Items Per Pallet Layer_ Quantity. 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 num-ber of trade items placed on a pallet layer according to supplier or retailer prefer-ences. | 0..1 |
| | | | | | | |
| Trade-ItemImpor-tIdentifica-tion | | | | Trade Item_ Import Clas-sification. Details | None | |
| | importClas-sification-Type | | | Trade Item_ Import Clas-sification. Import_ Classi-fication Type. Import Classification Type Code_ Code | Imports and exports of trade items typi-cally require classification codes to de-termine 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | importClas-sification-Value | | | Trade Item_ Import Clas-sification. Import_ Classi-fication Code. Text | Imports and exports of trade items typi-cally require classification codes to de-termine 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 |
| | | | | | | |
| TradeItem-Marking | | | | Trade Item Marking. De-tails | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | hasBatch-Number | | | 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 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. | 0..1 |
| | isNonSold-TradeItem-Returnable | | | Trade Item Marking. Non Sold Returnable. Indicator | !! Indicates that the buyer can return the articles that are not sold. Used, for exam-ple; 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 |
| | isTrade-ItemMarke-dAsRecy-clable | | | Trade Item Marking. Re-cyclable. Indicator | Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies. | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| TradeItem-Material | | | | Additional_ Product_ Material Composition. Details | None | |
| | material-Weight | | | 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 |
| | threadCount | | | Additional_ Product_ Material Composition. Thread Count_ Description. Text | This element is used to specify the quality of material (fabric) of a trade item. | 0..1 |
| | | | | | | |
| TradeItem-Measurements | | | | Physical_ Trade Item Dimensions. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | genericIn-gredient | | | 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 |
| | ingredient-Strength | | | Physical_ Trade Item Dimensions. Ingredient Strength. Measure | 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 |
| | isNetCon-tentDeclara-tionIndicated | | | 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 |
| | priceCom-parisonCon-tentType | | | 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 |

| | | depth | MultiMeas- urementValue | 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 |
|---|---|---|---|---|---|---|
| | | diameter | MultiMeas- urementValue | Physical_ Trade Item Dimensions. Diameter. Multi-unit Measure | The measurement of the diameter of the trade item at its largest point. For exam- ple, 165 "mmt", value - mmt, diameter. Has to be associated with valid UoM. | 0..1 |
| | | drained- Weight | MultiMeas- urementValue | Physical_ Trade Item Dimensions. Drained_ Weight. Multi-unit Meas- ure | 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 Classifica- tion - Mainly food trade item. Has to be associated with a valid UoM. | 0..1 |
| | | genericIn- gredient- Strength | MultiMeas- urementValue | Physical_ Trade Item Dimensions. Generic_ Ingredient Strength. Multi- unit Measure | Used, for pharmaceutical trade item to define the strength of each generic ingre- dient in a trade item or unit volume of the trade item. Repeated per generic sub- stance. Needs to be associated with a valid UoM. | 0..1 |
| | | grossWeight | MultiMeas- urementValue | Physical_ Trade Item Dimensions. Gross_ Weight. Multi-unit Meas- ure | Used to identify the gross weight 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 grm", value - total pounds, total grams, etc. Has to be associated with a valid UoM. | 0..1 |
| | | height | MultiMeas- urementValue | 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 ex- tremity, including packaging. At a pallet level the trade itemHeight will include the height of the pallet itself. Business Rules: | 1..1 |

| | | | | | Measurements are relative to how the customer normally views the trade item. Needs to be associated with a valid UoM. | |
|---|---|---|---|---|---|---|
| | | netContent | MultiMeasurementValue | Physical_ Trade Item Dimensions. Net_ Content. Multi-unit Measure | The amount of the trade item contained by a package, usually as claimed on the label. For 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." | 0..1 |
| | | netWeight | MultiMeasurementValue | 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.<br><br>Examples: "11.5 kgm" value - pounds, grams, etc. | 0..1 |
| | | priceComparisonMeasurement | MultiMeasurementValue | 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 |

| | | | | 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. | |
|---|---|---|---|---|---|---|
| | | tradeItem-Composi-tionWidth | MultiMeas-urementValue | | | 0..1 |
| | | width | MultiMeas-urementValue | 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 |
| | | None | PegMeas-urements | Physical_ Trade Item Dimensions. Association. Peg Location | This information on PegMeasurements for TradeItemMeasurements. | 0..* |
| | | | | | | |
| TradeIte-mOrderIn-formation | | | | Trade Item Ordering. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | isTrade-ItemReor-derable | | | 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 |
| | isTrade-ItemSize-BasedPric-ing | | | 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 |
| | agreed-Minimum- | | | Trade Item Ordering. Agreed Minimum Buying_ | Minimum buying quantity agreed between trading partners. | 0..1 |

| | Buy-ingQuantity | | | Quantity. Quantity | | |
|---|---|---|---|---|---|---|
| | agreed-Maximum-Buy-ingQuantity | | | Trade Item Ordering. Agreed Maximum Buying_ Quantity. Quantity | The maximum quantity of the product available to the retailer. | 0..1 |
| | FirstDeliv-eryDateTime | | | 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 |
| | orderQuanti-tyMaximum | | | 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 |
| | orderQuanti-tyMinimum | | | 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 |
| | orderQuanti-tyMultiple | | | Trade Item Ordering. Multiple_ Quantity. Quan-tity | 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 |
| | | goodsPick-UpLeadTime | MultiMeas-urementValue | 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 manufac-turing / distribution point to delivery point impacts this value (relationship dependant data). | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | orderSizing-Factor | MultiMeas-urementValue | 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 dimen-sions of trade item. | 0..1 |
| | | ordering-LeadTime | MultiMeas-urementValue | 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 |
| | | | | | | |
| TradeItem-PalletInfor-mation | | | | Pallet. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | palletTerm-sAndCondi-tions | | | Pallet. Terms And Condi-tions. Text | Indicates if the pallet in the prescribed pallet configuration is rented, exchange-able, against deposit or one way (not reusable). | 0..1 |
| | palletType-Code | | | 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 |
| | | | | | | |
| TradeItem-PriceDateIn-formation | | | | Trade Item Price. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | effec-tiveEndDate | | | Trade Item Price. Effec-tive_ 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 that the price and its effective date are effec- | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | tive 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. | |
| | effec-tiveStart-Date | | | Trade Item Price. Effec-tive_ 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 |
| | | None | Trade Item Price.Detail | Trade Item Price. Asso-ciation. Trade Item Price.Detail | !! The default value to be used for the field when that field is not present in the file. | 1..1 |
| | | | | | | |
| TradeItem-SizeDescrip-tion | | | | Trade Item Size. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | descriptive-Size | | | Trade Item Size. Descrip-tion. 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 | 0..1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | in the Trade Item BRD. | |
| | sizeCode-ListAgency | | | 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. | 1..1 |
| | sizeCode-Value | | | 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). | 1..1 |
| | | | | | | |
| TradeItem-TaxAmount | | | | Trade Item_ Tax Amount. Details | !! This class is part of the TradeItem Tax Information class. | |
| | taxAmount | | | Trade Item_ Tax Amount. Amount. Amount | The current tax or duty or fee amount applicable to the trade item. | 1..1 |
| | | None | TaxAgency | Trade Item_ Tax Amount. Association. Tax Type | Associated tax information including tax type and associated taxation authority. | 1..1 |
| | | | | | | |
| TradeItem-TaxInforma-tion | | | | Trade Item_ Tax Informa-tion Group. Details | !! This reusable class from Trade Item Tax Information is part of the Trading Partner Neutral Trade Item Information Class. | |
| | | None | TradeItem-TaxAmount | Trade Item_ Tax Informa-tion Group. Association. Trade Item_ Tax Amount | The current tax or duty or fee amount applicable to the trade item. | 1..* |
| | | None | TradeItem-TaxRate | Trade Item_ Tax Informa-tion Group. Association. Trade Item_ Tax Rate | The current tax or duty rate percentage applicable to the trade item. | 1..* |
| | | | | | | |
| TradeItem-TaxRate | | | | Trade Item_ Tax Rate. Details | !! This class is part of the TradeItem Tax Information class. | |
| | taxRate | | | Trade Item_ Tax Rate. Percentage. Percent_ Numeric | The current tax or duty rate percentage applicable to the trade item. | 1..1 |
| | | None | TaxAgency | Trade Item_ Tax Rate. | Associated tax information including tax | 1..1 |

| | | | | Association. Tax Type | type and associated taxation authority. | |
|---|---|---|---|---|---|---|
| | | | | | | |
| TradeItem-Tempera-tureInforma-tion | | | | Trade Item Temperature Group. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | | deliveryTo-Distribution-CenterTem-perature-Maximum | MultiMeas-urementValue | 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 |
| | | deliveryTo-Distribution-CenterTem-perature-Minimum | MultiMeas-urementValue | 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 |
| | | delivery-ToMarket-Tempera-tureMaxi-mum | MultiMeas-urementValue | Trade Item Temperature Group. Delivery to Mar-ket_ Maximum. Multi-unit Measure | Permitted maximum temperature of the trade item during delivery to market. | 0..1 |
| | | delivery-ToMarket-Tempera-tureMini-mum | MultiMeas-urementValue | Trade Item Temperature Group. Delivery To Mar-ket_ Minimum. Multi-unit Measure | Permitted minimum temperature of the trade item during delivery to market. | 0..1 |
| | | storageHan-dlingHumid-ityMaximum | MultiMeas-urementValue | 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 |
| | | storageHan-dlingHumid-ityMinimum | MultiMeas-urementValue | 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | storageHan-dlingTem-perature-Maximum | MultiMeas-urementValue | 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 |
| | | storageHan-dlingTem-perature-Minimum | MultiMeas-urementValue | Trade Item Temperature Group. Storage Handling_ Minimum. Multi-unit Measure | The minimum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value. | 0..1 |
| | | | | | | |
| TradeIte-mUnitIndica-tor | | | | Trade Item Processing. Details | !! This class is part of the Trading Partner Neutral Trade Item Information Class. | |
| | isTradeIte-mABaseUnit | | | Trade Item Processing. Base_ Unit. Indicator | An indicator identifying the trade item as the base unit level of the trade item hier-archy. This is y/n (Boolean) where y indi-cates the trade item is a base unit. | 1..1 |
| | isTradeIte-mACon-sumerUnit | | | Trade Item Processing. Consumer_ Unit. Indicator | Identifies whether the current hierarchy level of a trade item is intended for ulti-mate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to se-lect which GTINs should be used for shelf planning and for front end POS data-bases. This value reflects the intention of the Information Provider which may not necessarily be reflected by the retailer. | 1..1 |
| | isTradeIte-mADespatch Unit | | | Trade Item Processing. Despatch Unit_ Unit. Indicator | An indicator identifying that the informa-tion 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 |
| | isTradeIte- | | | Trade Item Processing. | An indicator identifying that the informa- | 1..1 |

| | mAnIn-voiceUnit | | | Invoice_ Unit. Indicator | tion 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. | |
|---|---|---|---|---|---|---|
| | isTradeIte-mAnOrder-ableUnit | | | 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 |
| | isTradeIte-mAVari-ableUnit | | | Trade Item Processing. Variable_ Unit. Indicator | Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be weight, length, volume. Trade item is used or traded in continuous rather than discrete quantities. | 1..1 |
| | priceBy-Measure-Type | | | Trade Item Processing. Price By Measure. Price By Measure Type Code_ Code | Indicator to show how a product is sold. | 0..1 |
| | vari-ableTrade-ItemType | | | Trade Item Processing. Variable Trade Item Type. Code | Indicator to show if a product is loose or pre-packed. | 0..1 |
| | | | | | | |
| Trading-PartnerNeu-tralTrade-ItemInforma-tion | | | | Trading Partner Neutral_ Trade Item. Details | !! This is a class from the TradeItemInformation class. | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | barCo-deType | | | | 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..* |
| | 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..* |
| | tradeItem-CountryO-fAssembly | | | Trading Partner Neutral_ Trade Item. Assembly_ Country. ISO3166_1_ Code | Country where product is assembled. Uses ISO country codes. | 0..* |
| | tradeItem-CountryO-fOrigin | | | 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 supranational and intergovernmental unions with a common single market for example the European Union (097). | 0..* |
| | | None | BrandOwnerOfTradeItem | Trading Partner Neutral_ Trade Item. Association. Brand Owner_ Party | This information on BrandOwnerOfTradeItem for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | ManufacturerOfTradeItem | Trading Partner Neutral_ Trade Item. Association. Manufacturer_ Party | This information on ManufacturerOfTradeItem for TradingPartnerNeutralTradeItemInformation. | 0..* |
| | | None | MarketingInformation | Trading Partner Neutral_ Trade Item. Association. Trade Item_ Marketing | This information on MarketingInformation for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | MaterialComposition | Trading Partner Neutral_ Trade Item. Association. Product_ Material Com- | This information on MaterialComposition for TradingPartnerNeutralTradeItemInformation. | 0..* |

| | | | | position | | |
|---|---|---|---|---|---|---|
| | | None | Material-SafetyData | Trading Partner Neutral_ Trade Item. Association. Material Safety Data Sheet | This information on MaterialSafetyData for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | NonPack-ageTrade-ItemDimen-sion | Trading Partner Neutral_ Trade Item. Association. Apparel_ Home Fash-ions_ Product Size | This information on NonPackageTrade-ItemDimension for TradingPartnerNeu-tralTradeItemInformation. | 0..1 |
| | | None | OrderingAnd-SellingUni-tOfMeasure | Trading Partner Neutral_ Trade Item. Association. Ordering_ Selling_ Trade Item Unit Information | This information on OrderingAndSellin-gUnitOfMeasure for TradingPartnerNeu-tralTradeItemInformation. | 0..1 |
| | | None | Organic-TradeItem-Characteris-tics | Trading Partner Neutral_ Trade Item. Association. Organic_ Trade Item | This information on OrganicTradeItem-Characteristics for TradingPartnerNeu-tralTradeItemInformation. | 0..1 |
| | | None | Packaging-Marking | Trading Partner Neutral_ Trade Item. Association. Packaging Marking | This information on PackagingMarking for TradingPartnerNeutralTradeItemInforma-tion. | 1..1 |
| | | None | Packaging-Material | Trading Partner Neutral_ Trade Item. Association. Packaging Material | This information on PackagingMaterial for TradingPartnerNeutralTradeItemInforma-tion | 0..* |
| | | None | Packaging-Type | Trading Partner Neutral_ Trade Item. Association. Packaging | This information on PackagingType for TradingPartnerNeutralTradeItemInforma-tion. | 0..* |
| | | None | PriceOn-TradeItem | Trading Partner Neutral_ Trade Item. Association. Price_ Packaging Marking | This information on PriceOnTradeItem for TradingPartnerNeutralTradeItemInforma-tion. | 0..1 |
| | | None | PrivateInfor-mation | Trading Partner Neutral_ Trade Item. Association. Private Data Recipient_ Party | This information on PrivateInformation for TradingPartnerNeutralTradeItemInforma-tion. | 0..* |
| | | None | Season | Trading Partner Neutral_ | This information on Season for Trading- | 0..1 |

| | | | | Trade Item. Association. Trade Item_ Season | PartnerNeutralTradeItemInformation. | |
|---|---|---|---|---|---|---|
| | | None | Security-TagInforma-tion | Trading Partner Neutral_ Trade Item. Association. Security Tag | This information on SecurityTagInforma-tion for TradingPartnerNeutralTrade-ItemInformation. | 0..1 |
| | | None | TargetCon-sumer | Trading Partner Neutral_ Trade Item. Association. Trade Item_ Target Con-sumer | This information on TargetConsumer for TradingPartnerNeutralTradeItemInforma-tion. | 0..1 |
| | | None | TradeItem-ColorDescrip-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item Colour | This information on TradeItemColorDe-scription for TradingPartnerNeutralTrade-ItemInformation. | 0..* |
| | | None | TradeItem-Coupon | Trading Partner Neutral_ Trade Item. Association. Trade Item Coupon | This information on TradeItemCoupon for TradingPartnerNeutralTradeItemInforma-tion. | 0..1 |
| | | None | TradeItem-DateInforma-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item Date Group | This information on TradeItemDateInfor-mation for TradingPartnerNeutralTrade-ItemInformation. | 0..1 |
| | | None | TradeItemFin-ish | Trading Partner Neutral_ Trade Item. Association. Product Finish | This information on TradeItemFinish for TradingPartnerNeutralTradeItemInforma-tion. | 0..1 |
| | | None | TradeItem-HandlingIn-formation | Trading Partner Neutral_ Trade Item. Association. Trade Item Handling | This information on TradeItemHandlingIn-formation for TradingPartnerNeutral-TradeItemInformation. | 0..1 |
| | | None | TradeItem-HazardousIn-formation | Trading Partner Neutral_ Trade Item. Association. Hazardous Goods | This information on TradeItemHazardous-Information for TradingPartnerNeutral-TradeItemInformation. | 0..* |
| | | None | TradeItem-Hierarchy | Trading Partner Neutral_ Trade Item. Association. Trade Item Containment | This information on TradeItemHierarchy for TradingPartnerNeutralTradeItemIn-formation. | 0..1 |
| | | None | TradeItemIm-portIdentifica-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item_ Import Clas-sification | This information on TradeItemImportIden-tification for TradingPartnerNeutralTrade-ItemInformation. | 0..* |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | None | TradeItem-Marking | Trading Partner Neutral_ Trade Item. Association. Trade Item Marking | This information on TradeItemMarking for TradingPartnerNeutralTradeItemInformation. | 1..1 |
| | | None | TradeItemMaterial | Trading Partner Neutral_ Trade Item. Association. Additional_ Product_ Material Composition | This information on TradeItemMaterial for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | TradeItem-Measure-ments | Trading Partner Neutral_ Trade Item. Association. Physical_ Trade Item Dimensions | This information on TradeItemMeasurements for TradingPartnerNeutralTradeItemInformation. | 1..1 |
| | | None | TradeItemOr-derInforma-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item Ordering | This information on TradeItemOrderInformation for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | TradeItemPal-letInformation | Trading Partner Neutral_ Trade Item. Association. Pallet | This information on TradeItemPalletInformation for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | catalogue-Price | TradeItem-PriceDateIn-formation | Trading Partner Neutral_ Trade Item. Catalogue Price. Trade Item Price | This information on TradeItemPriceDateInformation for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | suggest-edRetail-Price | TradeItem-PriceDateIn-formation | 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 |
| | | None | TradeItem-SizeDescrip-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item Size | This information on TradeItemSizeDescription for TradingPartnerNeutralTradeItemInformation. | 0..* |
| | | None | TradeItem-TaxInforma-tion | Trading Partner Neutral_ Trade Item. Association. Trade Item_ Tax Information Group | This information on TradeItemTaxInformation for TradingPartnerNeutralTradeItemInformation. | 0..1 |
| | | None | TradeItem-Temperature- | Trading Partner Neutral_ Trade Item. Association. | This information on TradeItemTemperatureInformation for TradingPartnerNeu- | 0..1 |

| | | | Information | Trade Item Temperature Group | tralTradeItemInformation. | |
|---|---|---|---|---|---|---|
| | | None | TradeItemU-nitIndicator | Trading Partner Neutral_ Trade Item. Association. Trade Item Processing | This information on TradeItemUnitIndicator for TradingPartnerNeutralTradeItemInformation. | 1..1 |

## 1.5.3 Class Diagrams

## 1.5.3.1 Class Diagram for Trade Item
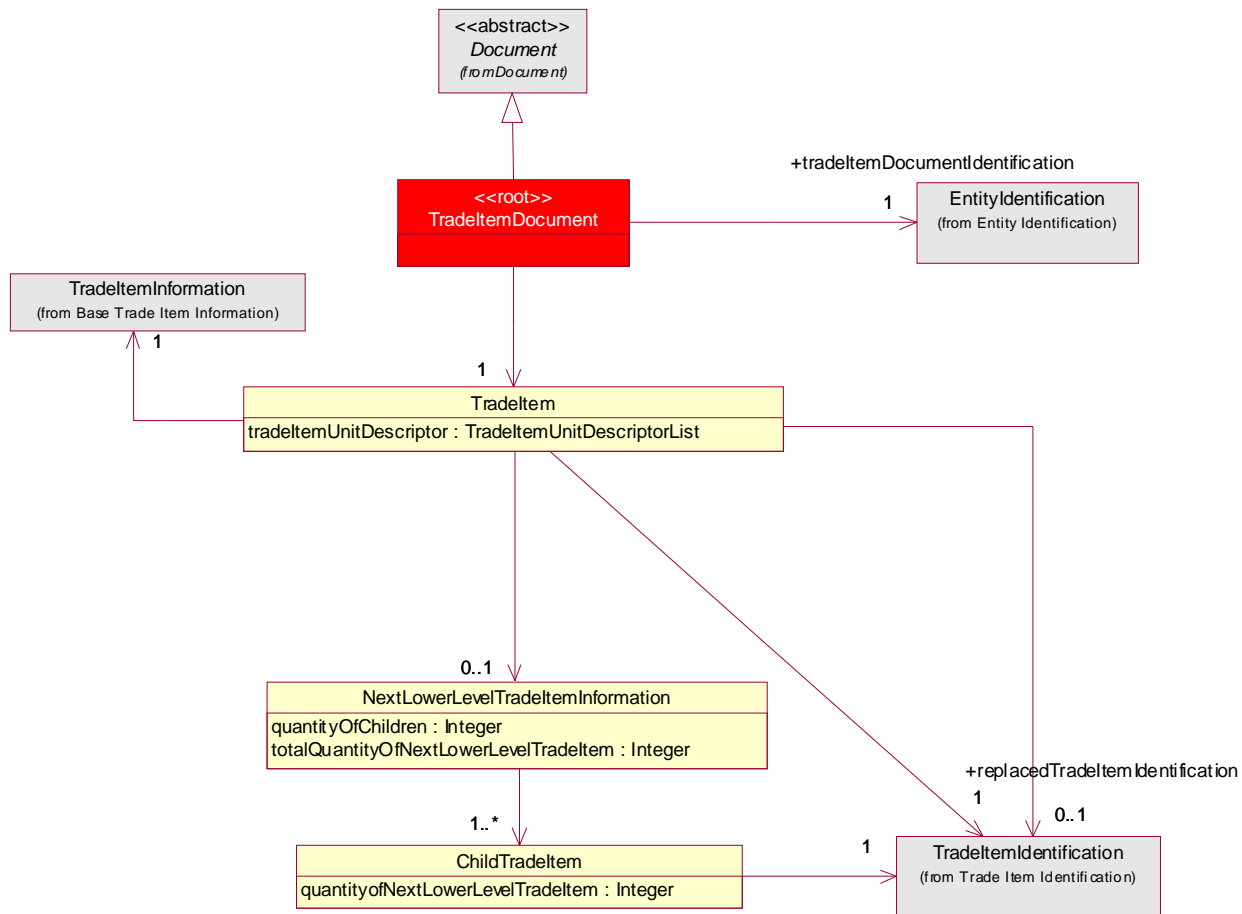
## 1.5.4   Class Diagram Trade Item Information
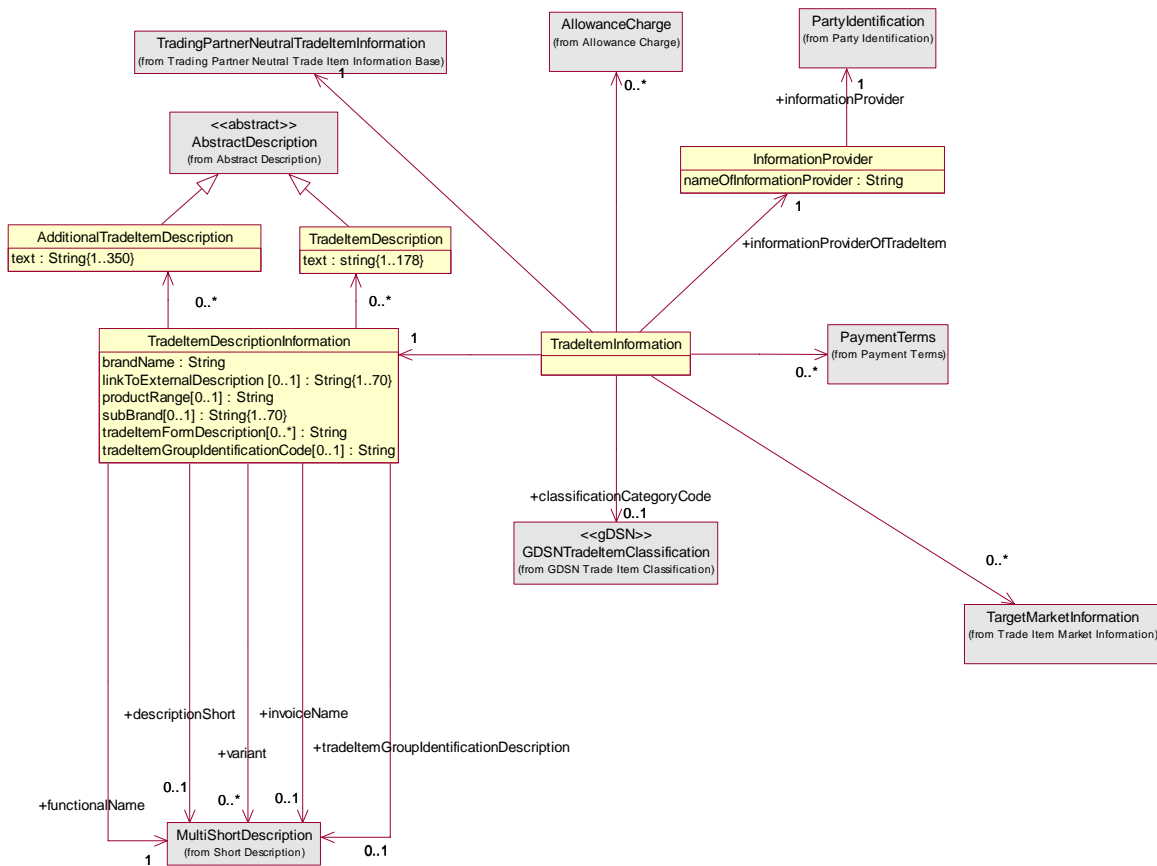
### 1.5.5 Class Diagram Trading Partner Neutral Trade Item Information Relationship
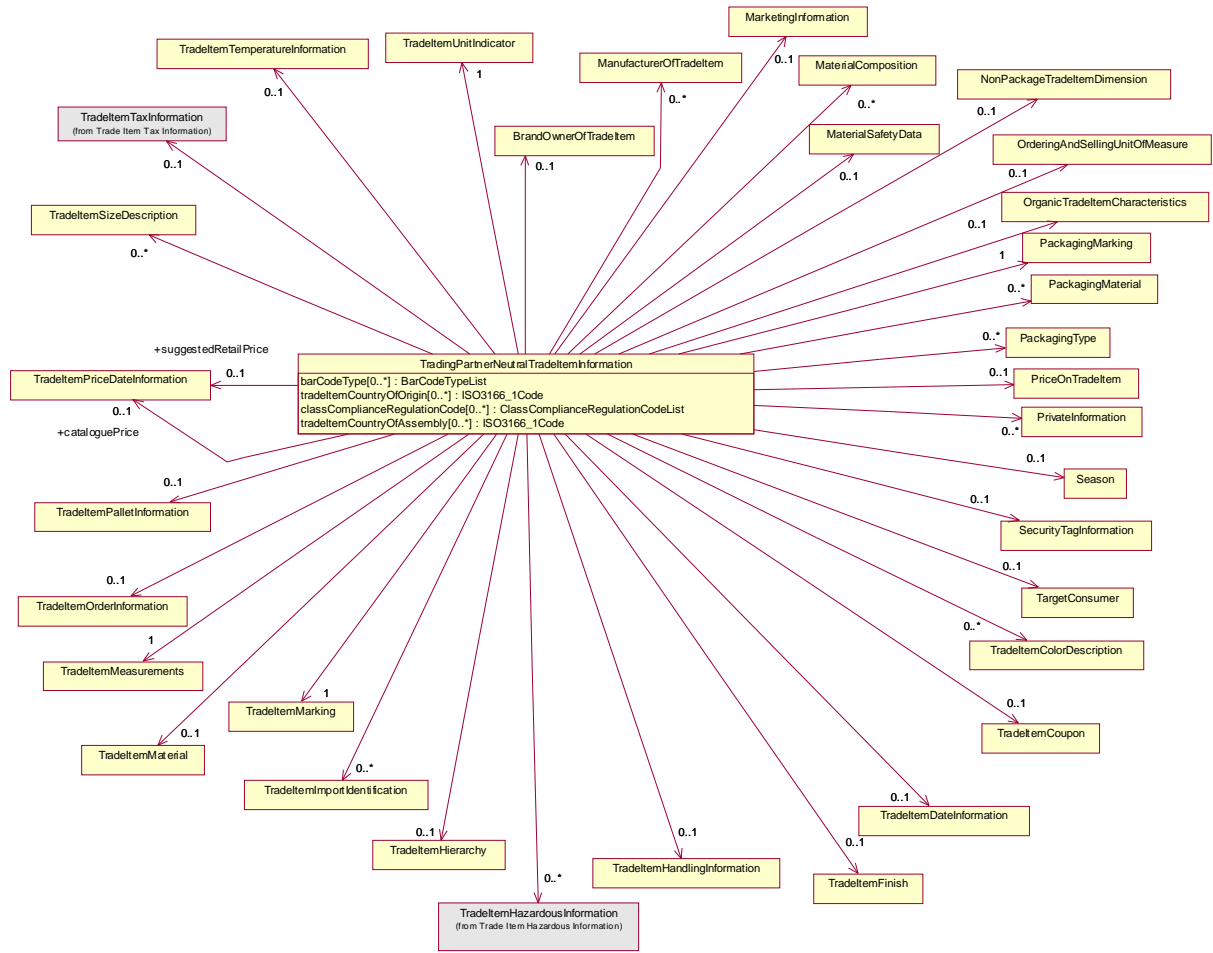
### 1.5.6   Class Diagram Brand Owner Of Trade Item

```
┌─────────────────────────────┐
│     PartyIdentification      │
│  (from Party Identification) │
└─────────────────────────────┘
              △ 1
        +brandOwner
┌─────────────────────────────┐
│    BrandOwnerOfTradeItem     │
├─────────────────────────────┤
│  nameOfBrandOwner : String   │
└─────────────────────────────┘
```
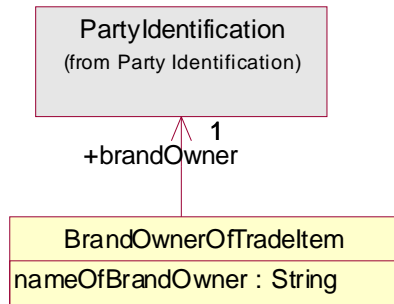
### 1.5.7 Class Diagram GDSN Trade Item Classification
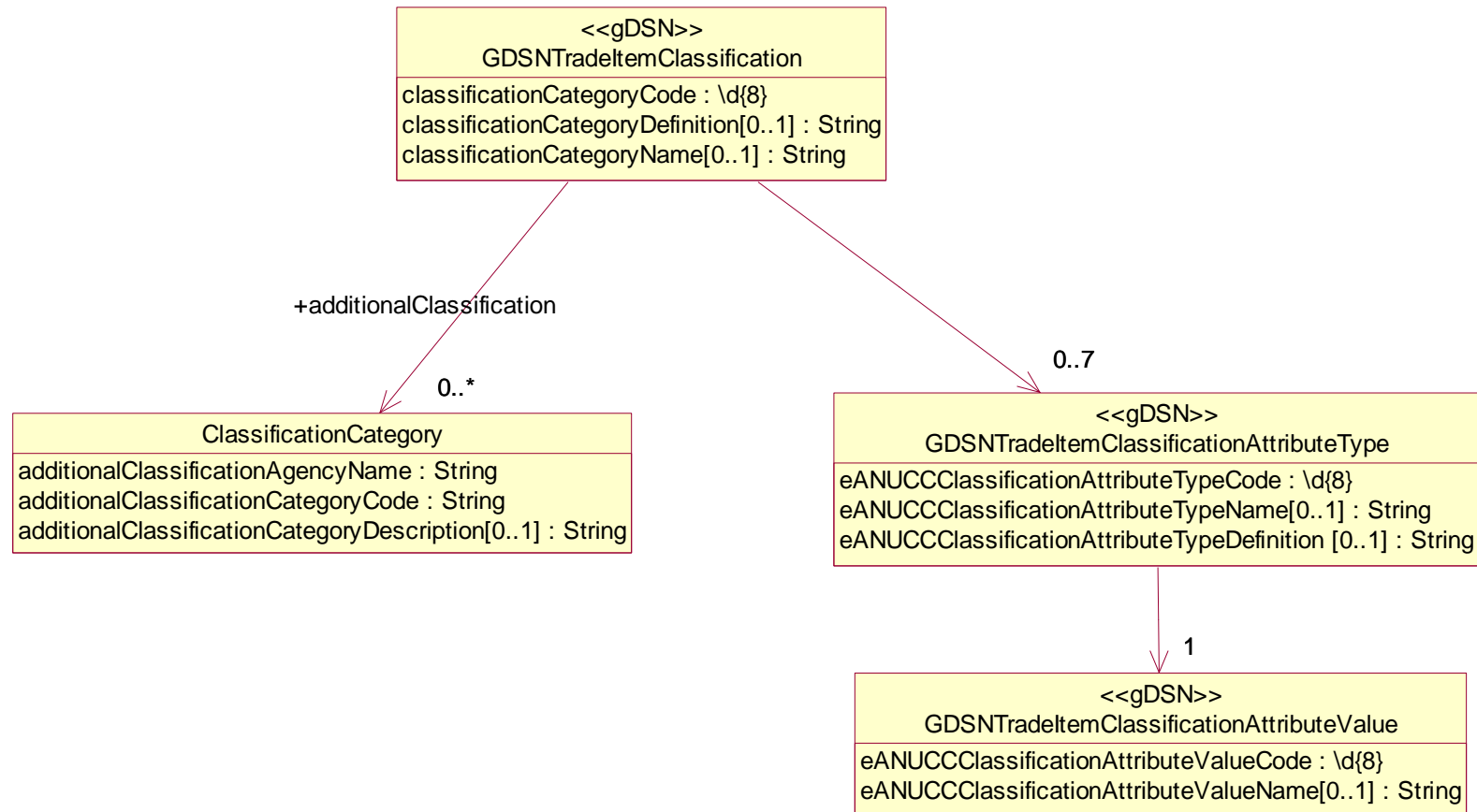
### 1.5.8 Class Diagram Manufacturer Of Trade Item

| ManufacturerOfTradeItem |
| --- |
| nameOfManufacturer[0..1] : String |

+manufacturer →

| PartyIdentification |
| --- |
| (from Party Identification) |

1
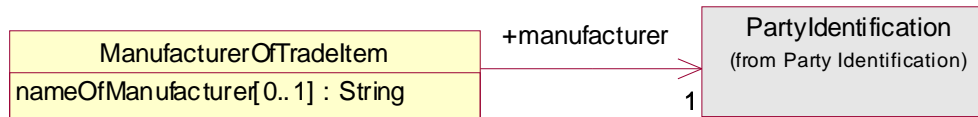
### 1.5.9 Class Diagram Marketing Information
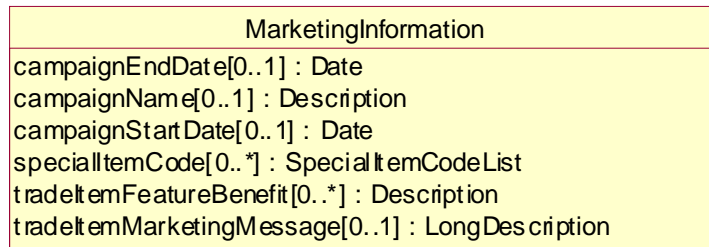
| MarketingInformation |
| --- |
| campaignEndDate[0..1] : Date |
| campaignName[0..1] : Description |
| campaignStartDate[0..1] : Date |
| specialItemCode[0..*] : SpecialItemCodeList |
| tradeItemFeatureBenefit[0..*] : Description |
| tradeItemMarketingMessage[0..1] : LongDescription |

### 1.5.10 Class Diagram Material Composition

| MaterialComposition |
| --- |
| materialAgencyCode[0..1] : MaterialAgencyCodeList<br>materialContent[0..1] : Description<br>materialPercentage[0..1] : Percentage{3.2} |

+materialCode

0..1

| MultiDescription |
| --- |
| (from Description) |
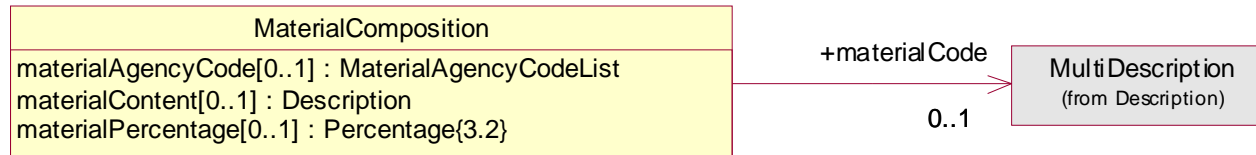
### 1.5.11 Class Diagram Material Safety Data

| MaterialSafetyData |
| --- |
| materialSafetyDataSheetNumber : String |
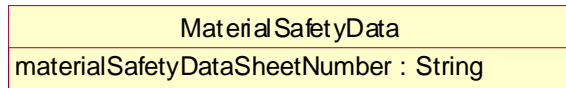
### 1.5.12 Class Diagram Non Package Trade Item Dimension

| NonPackageTradeItemDimension |
| --- |
| sizeGroup[0..1] : SizeGroupList |

1..*

| NonPackagedSizeDimension |
| --- |
| sizeType : SizeTypeList<br><<choice>> descriptiveSizeDimension : Description<br><<choice>> sizeDimension : MeasurementValue<br>sizeSystem{0..1} : SizeSystemList |
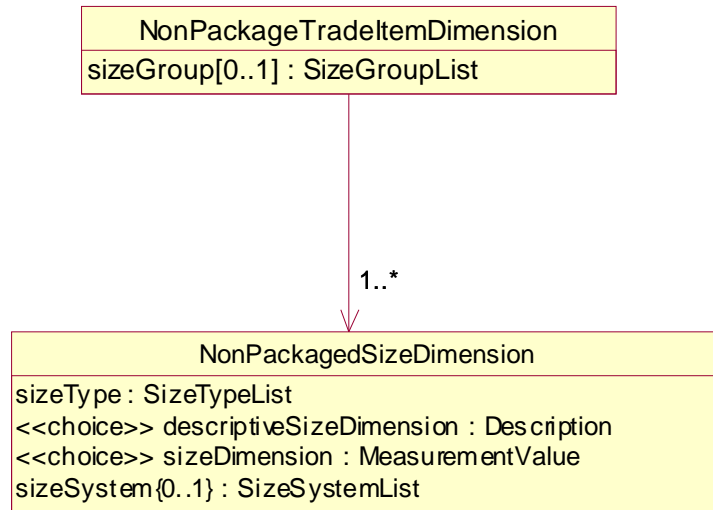
### 1.5.13 Class Diagram Ordering and Selling Unit Of Measure

UN/ECE Recommendation 20 is
referenced as possible values for
unit of measure.

---

**OrderingAndSellingUnitOfMeasure**

orderingUnitOfMeasure[0..1] : String
sellingUnitOfMeasure[0..1] : String
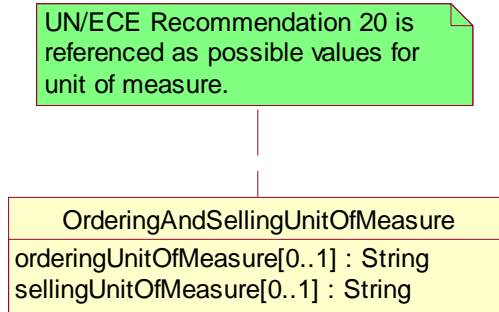
### 1.5.14 Class Diagram Organic Trade Item Characteristics

**OrganicTradeItemCharacteristics**

organicClaimAgency[1..*] : String
organicTradeItemCode : String
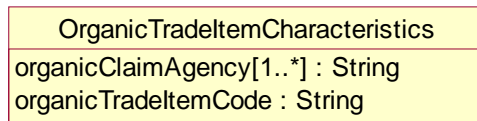
### 1.5.15 Class Diagram Packaging Marking

| PackagingMarking |
|---|
| isPackagingMarkedReturnable : Boolean |
| isPackagingMarkedWithIngredients[0..1] : Boolean |
| offerOnPack[0..1] : String{1..70} |
| packageMarksDietAllergen[0..*] : PackageMarksDietAllergenCodeList |
| packageMarksEnvironment[0..*] : PackageMarksEnvironmentCodeList |
| packageMarksEthical[0..*] : PackageMarksEthicalCodeList |
| packageMarksFreeFrom[0..*] : PackageMarksFreeFromCodeList |
| packagingMarkedExpirationDateType[0..*] : PackagingMarkedExpirationDateTypeCodeList |
| packagingMarkedRecyclableScheme[0..1] : String{1..70} |

## 1.5.16 Class Diagram Packaging Type

```
                    ┌─────────────────────────────────────────────────────┐
                    │                  PackagingMaterial                  │
                    ├─────────────────────────────────────────────────────┤
                    │ packagingMaterialCode : String                      │
                    │ packagingMaterialCodeListMaintenanceAgency : String │
                    │ depositValueEffectiveDate [0..1] : Date             │
                    │ depositValueEndDate [0..1] : Date                   │
                    │ packagingTermsAndCondition[0..1] : String           │
                    │ returnablePackageDepositAmount [0..1] : Amount      │
                    │ returnablePackageDepositCode [0..1] : String{1..14} │
                    └─────────────────────────────────────────────────────┘
```

+packagingMaterialDescription

+packagingMaterialCompositionQuantity

0..1

1

```
┌──────────────────────────┐        ┌──────────────────────────┐
│   MultiShortDescription  │        │    MultiMeasurement      │
│  (from Short Description) │        │        Value             │
│                          │        │   (from Measurement)     │
└──────────────────────────┘        └──────────────────────────┘
```

### 1.5.17 Class Diagram Packaging Material

| PackagingType |
|---|
| packagingTypeCode : String |
| packagingTypeDescription[0..1] : String |
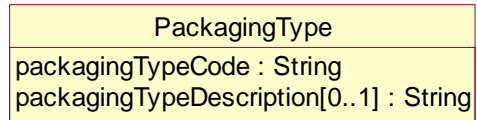
## 1.5.18 Class Diagram Price On Trade Item
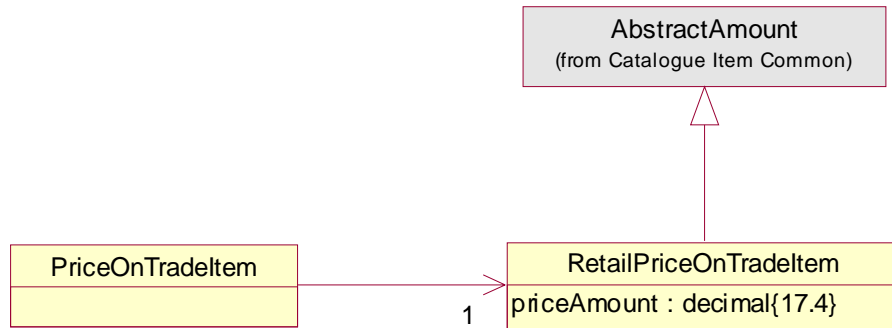
### 1.5.19 Class Diagram Private Information

```
        PartyIdentification
     (from Party Identification)
```

```
                    1
+partyReceivingPrivateData
```

```
        PrivateInformation
```
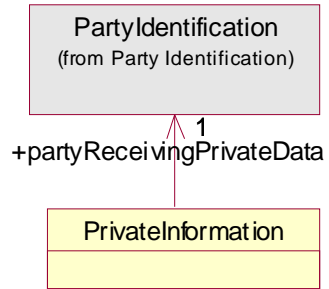
### 1.5.20 Class Diagram Season

```
                    Season
seasonalAvailabilityEndDate[0..1] : Date
seasonalAvailabilityStartDate[0..1] : Date
seasonCalendarYear[0..*] : Year
seasonName[0..*] : Description
seasonParameter[0..*] : SeasonParameterList
```
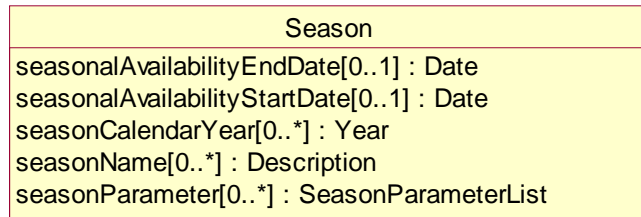
### 1.5.21 Class Diagram Security Tag Information

```
                 SecurityTagInformation
securityTagLocation[0..1] : SecurityTagLocationCodeTypeList
securityTagType[0..1] : SecurityTagTypeList
```
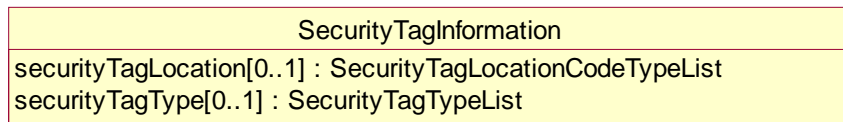
### 1.5.22 Class Diagram Target Consumer

| TargetConsumer |
| --- |
| targetConsumerAge[0..1] : Description |
| targetConsumerGender[0..1] : TargetConsumerGenderList |
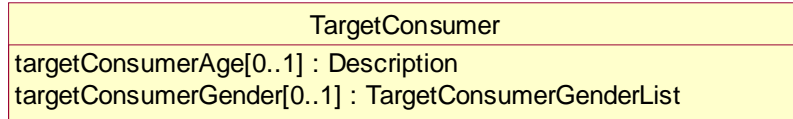
### 1.5.23 Class Diagram Trade Item Color Description

| TradeItemColorDescription |
| --- |
| colorCodeListAgency : String |
| colorCodeValue : String |

+colorDescription

| MultiDescription |
| --- |
| (from Description) |

0..1
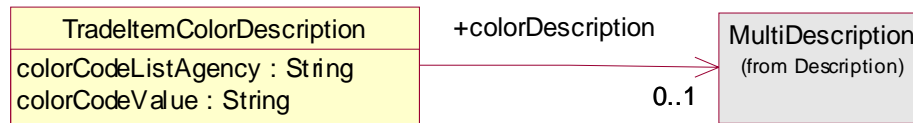
### 1.5.24 Class Diagram Trade Item Coupon

| TradeItemCoupon |
| --- |
| couponFamilyCode : String{1..3} |
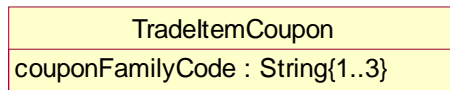
### 1.5.25 Class Diagram Trade Item Date Information

```
                    TradeItemDateInformation
effectiveDate : Date
lastChangeDateTime : DateTime
publicationDate : Date
startAvailabilityDateTime : DateTime
canceledDate[0..1] : Date
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
lastShipDate[0..1] : Date
startDateMaximumBuyingQuantity[0..1] : DateTime
startDateMinimumBuyingQuantity[0..1] : DateTime
```

### 1.5.26 Class Diagram Trade Item Finish

```
                    TradeItemFinish
tradeItemFinishDescription[0..1] : Description
```

### 1.5.27 Class Diagram Trade Item Handling Information

```
┌─────────────────────────────────────────────────────────────┐
│             TradeItemHandlingInformation                     │
├─────────────────────────────────────────────────────────────┤
│ minimumTradeItemLifespanFromTimeOfArrival[0..1] : Integer    │
│ minimumTradeItemLifespanFromTimeOfProduction[0..1] : Integer │
│ stackingFactor[0..1] : Integer                               │
└─────────────────────────────────────────────────────────────┘
```

+handlingInstructionsCode

+stackingWeightMaximum

0..*

0..1

```
┌─────────────────────────┐        ┌──────────────────────┐
│ HandlingInstructionCode │        │   MultiMeasurement   │
├─────────────────────────┤        │       Value          │
│ codeValue : String{1..5}│        │  (from Measurement)  │
└─────────────────────────┘        └──────────────────────┘
```

```
┌──────────────────────────────┐
│     AbstractDescription       │
│ (from Catalogue Item Common)  │
└──────────────────────────────┘
```

### 1.5.28 Class Diagram Trade Item Hierarchy

| TradeItemHierarchy |
|---|
| 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 |

### 1.5.29 Trade Item Import Identification

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

### 1.5.30 Class Diagram Trade Item Marking

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

### 1.5.31 Class Diagram Trade Item Material

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

## 1.5.32  Class Diagram Trade Item Measurements
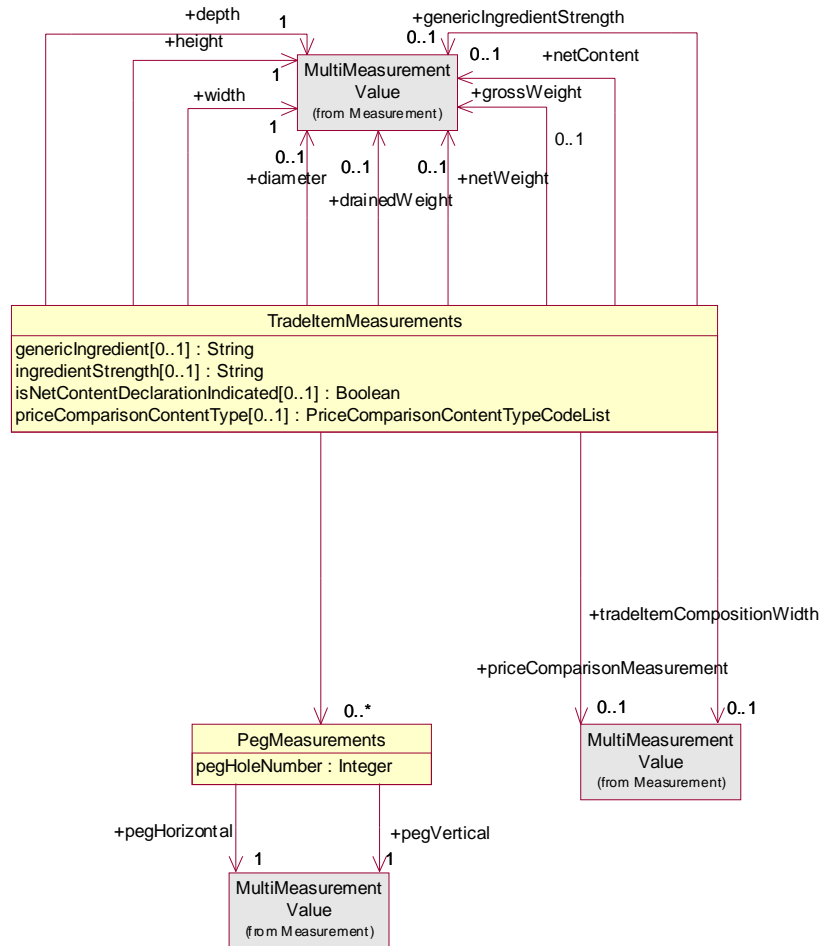
## 1.5.33  Class Diagram Trade Item Order Information
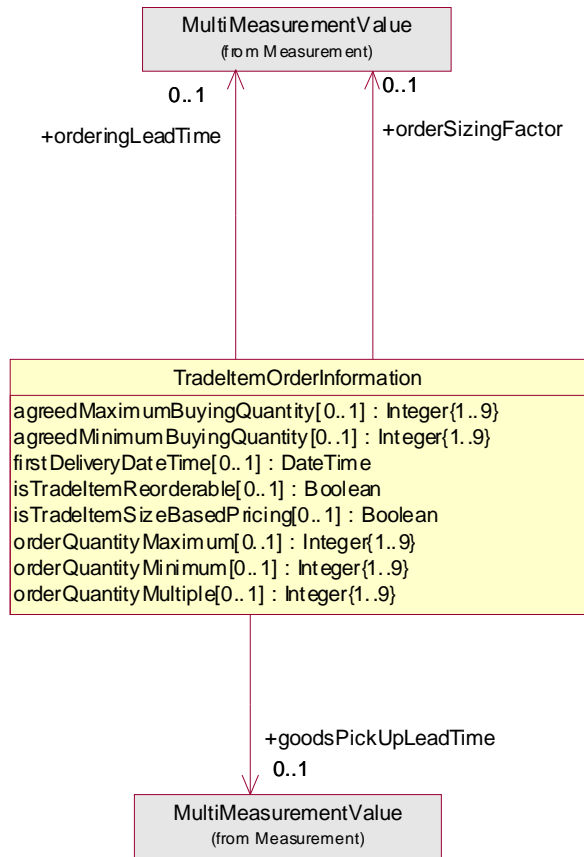
### 1.5.34 Class Diagram Trade Item Pallet Information

| TradeItemPalletInformation |
| --- |
| palletTypeCode[0..1] : String<br>palletTermsAndConditions[0..1] : String |
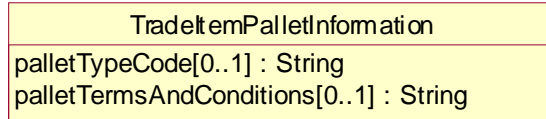
### 1.5.35 Class Diagram Trade Item Price Date

| AbstractAmount |
| --- |

| TradeItemPrice |
| --- |
| value : decimal{17.4} |

| TradeItemPriceDateInformation |
| --- |
| effectiveStartDate : Date<br>effectiveEndDate[0..1] : Date |

1
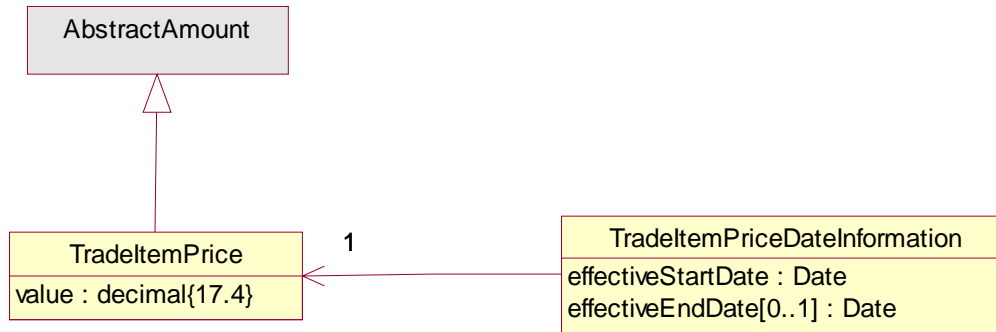
### 1.5.36 Class Diagram Trade Item Size Description

| TradeItemSizeDescription |
| --- |
| sizeCodeListAgency : String<br>sizeCodeValue : String<br>descriptiveSize[0..1] : ShortDescription |
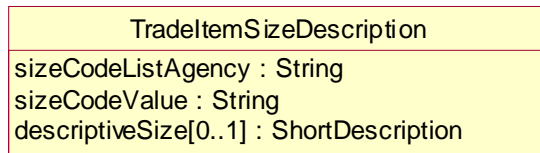
## 1.5.37 Class Diagram Trade Item Tax Information
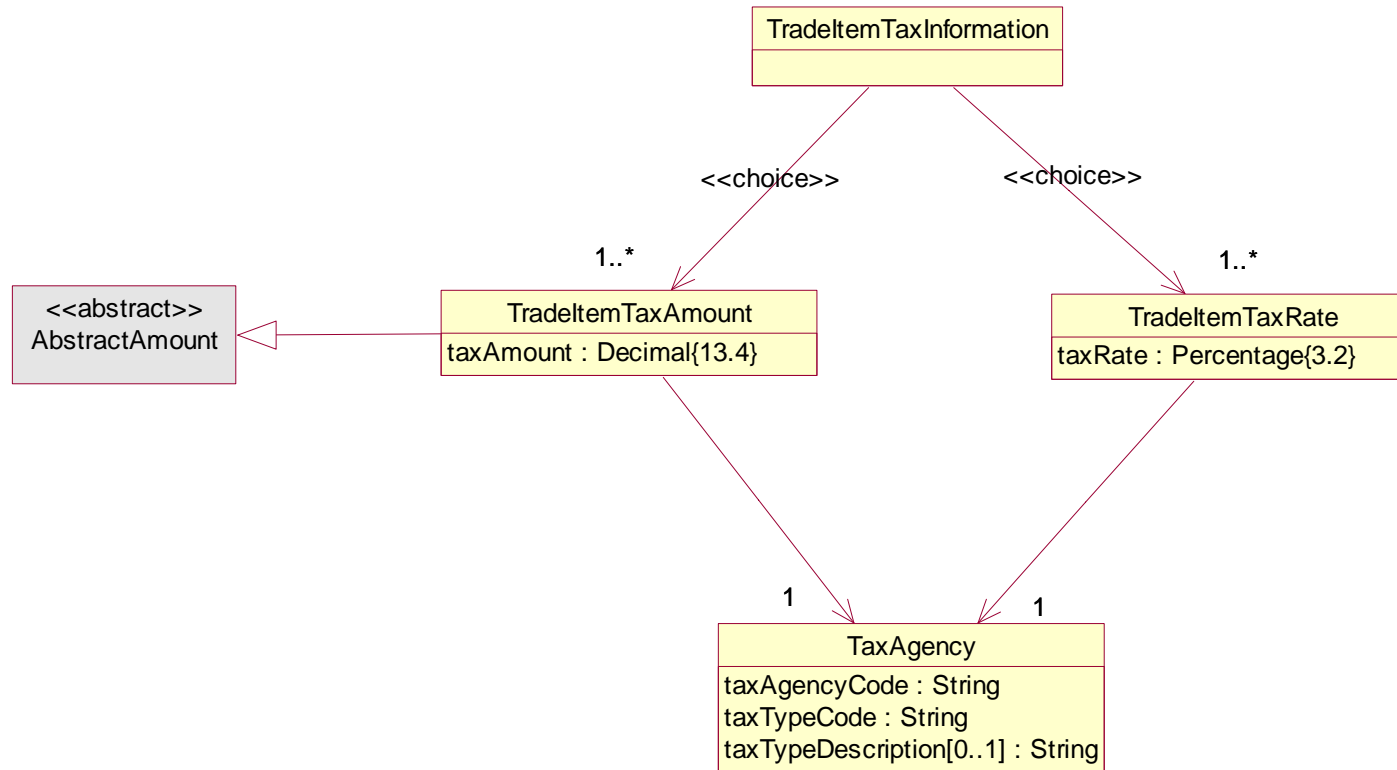
## 1.5.38 Class Diagram Trade Item Temperature Information

+deliveryToMarketTemperatureMinimum
+deliveryToMarketTemperatureMaximum

+deliveryToDistributionCenterTemperatureMaximum

MultiMeasurement
Value
(from Measurement)

0..1

0..1

0..1

0..1

0..1

0..1

0..1

+storageHandlingTemperatureMinimum

+storageHandlingTemperatureMaximum

+deliveryToDistributionCenterTemperatureMinimum

TradeItemTemperatureInformation

+storageHandlingHumidityMaximum

+storageHandlingHumidityMinimum

0..1

0..1

MultiMeasurement
Value
(from Measurement)

### 1.5.39 Class Diagram Trade Item Unit Indicator

| TradeItemUnitIndicator |
| --- |
| isTradeItemABaseUnit : Boolean |
| isTradeItemAConsumerUnit : Boolean |
| isTradeItemADespatchUnit : Boolean |
| isTradeItemAnInvoiceUnit : Boolean |
| isTradeItemAnOrderableUnit : Boolean |
| isTradeItemAVariableUnit : Boolean |
| priceByMeasureType[0..1] : PriceByMeasureTypeCodeList |
| variableTradeItemType[0..1] : VariableTradeItemTypeCodeList |

### 1.5.40  Code Lists

| Code List Name | Code List Description |
|---|---|
| BarCodeTypeList | |
| | |
| 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** |
| 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_IDENTIFICATIO | N/A |
| COMPLIANT_WITH_WOOL_PRODUCTS_LABELING_ACT | N/A |
| 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 |
| TARIF_INTEGRE_DE_LA_COMMUNAUTE | N/A |

| Code List Name | Code List Description |
|---|---|
| MaterialAgencyCodeList | |
| **Code Name** | **Code Description** |
| DIN6001_PART4 | N/A |

| 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. |
| NYCKELHAL_MARK | Lean product. |

| Code List Name | Code List Description |
|---|---|
| PackageMarksEnvironmentCodeList | |
| **Code Name** | **Code Description** |
| EU_BLOMMA | N/A |
| FALKEN | N/A |
| GREEN_DOT | N/A |
| KRAV_MARK | N/A |
| SVANEN | N/A |

| Code List Name | Code List Description |
|---|---|
| PackageMarksEthicalCodeList | |
| **Code Name** | **Code Description** |
| FAIR_TRADE_MARK | Definition that child labour is not used in the sup-ply chain, and other definitions considered as ethical by proper authorities. |

| Code List Name | Code List Description |
|---|---|
| PackageMarksFreeFromCodeList | |
| | |
| FREE_FROM_EGG | Marks if the product is free from egg. |
| FREE_FROM_GLUTEN | Marks if the product is free from gluten. |
| FREE_FROM_LACTOSE | Indicates if the amount of lactose is reduced. |
| FREE_FROM_MILK_PROTEIN | Free from milk protein. |
| FREE_FROM_PEANUTS | Marks if the product is free from peanuts. |
| 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. |

| Code List Name | Code List Description |
|---|---|
| PackagingMarkedExpiration-DateTypeCodeList | |
| | |
| BEST_BEFORE_DATE | N/A |
| EXPIRY_DATE | N/A |

| Code List Name | Code List Description |
|---|---|
| PriceComparisonContentTypeCode-List | |
| **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_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) |

| | Specified using OZ as unitOfMeasure (price per pound) |
|---|---|
| PER_POUND | |
| PER_WASH | Specified using PCE as unitOfMeasure (price per wash – used for washing detergent) |
| 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). Specified using GRM or OZ as unitOfMeasure (price per kilogram/pound prepared food). |
| READY_TO_EAT | |

| 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 |
|---|---|
| SeasonParameterList | |
| **Code Name** | **Code Description** |
| ALL_YEAR | N/A |
| AUTUMN | N/A |
| SPRING | N/A |
| SUMMER | N/A |
| WINTER | N/A |

| Code List Name | Code List Description |
|---|---|
| SecurityTagLocationCodeTypeList | |
| | |
| CONCEALED_INSIDE_THE_TRADE _ITEM | N/A |
| INTEGRATED_INSIDE_OF_TRADE_ ITEM | N/A |
| 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 | |
| | |
| 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 | |
| | |
| 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 |
|---|---|
| TradeItemUnitDescriptorList | |
| | |
| BASE_UNIT_OR_EACH | N/A |
| CASE | N/A |
| DISPLAY_SHIPPER | N/A |
| MIXED_MODULE | N/A |
| MULTIPACK | N/A |
| PACK_OR_INNER_PACK | N/A |
| PALLET | N/A |
| PREPACK | N/A |
| PREPACK_ASSORTMENT | N/A |
| SETPACK | N/A |

| Code List Name | Code List Description |
|---|---|
| VariableTradeItemTypeCodeList | |
| **Code Name** | **Code Description** |
| LOOSE | N/A |
| PRE_PACKED | N/A |

## 1.6 Business Document Example

## 1.7 Implementation Considerations

### 1.7.1 Attributes with Code List

| Class Name | Item Name | Code List |
|---|---|---|
| TargetMarketInformation | targetMarketCountryCode | Country Codes ISO3166-1 |
| TargetMarketInformation | targetMarketSubdivisionCode | Country Subdivision Code ISO3166-2 |
| TradeItemPriceDateInformation | cataloguePrice | Codes for the repres. of currencies and funds ISO 4217:2001 |
| TradeItemPriceDateInformation | suggestedRetailPrice | Codes for the repres. of currencies and funds ISO 4217:2001 |
| PriceOnTradeItem | retailPriceOnTradeItem | Codes for the repres.of agencies and codesISO 4217;2001 |
| TradeItemClassification | classificationCategoryCode | Classification Attribute Type Code |
| EANUCCTradeItemClassification | eANUCCClassificationAttributeTypeCode | Classification Attribute Type Code |
| EANUCCTradeItemClassificationValue | eANUCCClassificationAttributeValueCode | Classification Attribute Value Code |
| ClassificationCategory | additionalClassificationAgencyName | Additional Classification Agency Name Reference 4.8.1 |
| TradeItemDescriptionInformation | invoiceName | 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 | tradeItemFormDescription | Codes for the representation of names of languages –Part 1: Alpha-2 code- ISO 639-1 |
| TradeItemColorDescription | tradeItemcolorDescription | Codes for the representation of names of languages –Part 1: Alpha-2 code- ISO 639-1 |
| TradeItemColorDescription | colorCodeListAgency | Color Code List Agency Reference 4.8.1 |
| TradeItemSizeDescription | sizeCodeListAgency | Size Code List Agency Reference 4.8.1 |

## Business Solution Design

| Class Name | Item Name | Code List |
|---|---|---|
| TradeItemMeasurements | ingredientStrength | Measure Unit Qualifier-TBD |
| TradeItemMeasurements | genericIngredientStrength | Measure Unit Qualifier-TBD |
| TradeItemMarking | hasBatchNumber | Batch Lot Number Indicator Code-TBD |
| FMCGTradeItemMarking | isTradeItemGeneticallyModified | GeneticModificationIndicator-TBD |
| FMCGTradeItemMarking | isTradeItemIrradiated | Irradiated Item Code List - TBD |
| OrganicTradeItemCharacteristics | organicTradeItemCode | Organic Item Code Reference 4.8.1 |
| FMCGTradeItemMeasurements | netContent | Measure Unit Qualifier-TBD |
| TradeItemMeasurements | height | UN/CEFACT Recommendation 20 |
| TradeItemMeasurements | width | UN/CEFACT Recommendation 20 |
| TradeItemMeasurements | depth | UN/CEFACT Recommendation 20 |
| TradeItemMeasurements | grossWeight | UN/CEFACT Recommendation 20 |
| FMCGTradeItemMeasurements | netWeight | UN/CEFACT Recommendation 20 |
| FMCGTradeItemMeasurements | diameter | UN/CEFACT Recommendation 20 |
| FMCGTradeItemMeasurements | drainedWeight | UN/CEFACT Recommendation 20 |
| PackagingType | packagingTypeCode | Packaging Type Code Reference 4.8.1 |
| FMCGTradeItemMeasurements | pegHorizontal | Measure Unit Qualifier-TBD |
| FMCGTradeItemMeasurements | pegVertical | Measure Unit Qualifier-TBD |
| PackagingMaterial | packagingMaterialCode | Packaging Material Code List Maintenance Agency Reference 4.8.1 |
| PackagingMaterial | packagingMaterialCompositionQuantity | Measure Unit Qualifier-TBD |
| PackagingMaterial | packagingTermsAndCondition | Packaging Terms and Conditions Reference 4.8.1 |
| TradeItemHandlingInformation | stackingWeightMaximum | UN/CEFACT Recommendation 20 |
| TradeItemTemperatureInformation | storageHandlingTemperatureMaximum | UN/CEFACT Recommendation 20 |
| TradeItemTemperatureInformation | storageHandlingTemperatureMinimum | UN/CEFACT Recommendation 20 |
| TradeItemHandlingInformation | handlingInstructionsCode | Handling Instructions - TBD |

| Class Name | Item Name | Code List |
|---|---|---|
| TradeItemHandlingInformation | minimumTradeItemLifespanFromTimeOfArrival | Unit of Time Period - TBD |
| TradeItemTemperatureInformation | deliveryToMarketTemperatureMaximum | UN/CEFACT Recommendation 20 |
| TradeItemTemperatureInformation | deliveryToMarketTemperatureMinimum | UN/CEFACT Recommendation 20 |
| TradeItemTemperatureInformation | deliveryToDistributionCenterTemperatureMaximum | UN/CEFACT Recommendation 20 |
| TradeItemTemperatureInformation | deliveryToDistributionCenterTemperatureMinimum | UN/CEFACT Recommendation 20 |
| TradeItemOrderInformation | orderingLeadTime | Unit of Time Period - TBD |
| TradeItemCountryOfOrigin | countryOfOrigin | Country Codes ISO3166-1 |
| TradeItemPalletInformation | palletTypeCode | Pallet Type Code Reference 4.8.1 |
| TradeItemPalletInformation | palletTermsAndConditions | Pallet Terms and Condition Reference 4.8.1 |
| TradeItemHazardousInformation | dangerousGoodsRegulationCode | Dangerous Goods Regulations - TBD |
| Packaging Material | packagingMaterialCodeListMaintenanceAgency | Household Packaging Recovery and Recycling Agencies |
| TradeItemHazardousInformation | unitedNationsDangerousGoodsNumber | UNDG Number -DE7124 |
| TradeItemHazardousInformation | classOfDangerousGoods | UN -Class of Dangerous Goods |
| TradeItemHazardousInformation | flashPointTemperature | UN/CEFACT Recommendation 20 |
| TradeItemDescriptionInformation | productRange | Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1 |
| TradeItemDescriptionInformation | functionalName | Codes for the representation of names of languages -- Part 1:Alpha-2 code -ISO 639-1 |
| TradeItemSizeDescription | descriptiveSize | 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 |

### 1.7.2 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<br>Available from:   http://www.iso.ch or<br>                    http://www.loc.gov/standards/iso639-2/langcodes.html#ef<br>                    See **Code List Source Bibliography** section of this document. |
| ISO 3166-1 | Part 1 - Country Codes (Three Digit Format)<br>Available from:   http://www.iso.ch |
| ISO 3166-2 | Part 2 - Alpha Country Subdivision Code<br>Available from:   http://www.iso.ch |
| ISO 4217 | Codes for the representation of currencies and funds 2001<br>Available from:   http://www.iso.ch |

EAN•UCC has three choices for code values:

Reference an external source like ISO.
Maintain a code list unique to the EAN•UCC system.

Maintain a code list based on an external code list.

Any code list EAN•UCC 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 EAN•UCC System.  In order to provide the best value to the EAN•UCC community the UOM code list will be maintained by EAN•UCC 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.

| EAN•UCC Unit Of Measures |
|---|

| Code | Code Description |
|------|------------------|
| 26 | Actual Ton |
| Z51 | Application (e.g. in hair colorant, 6 applications) |
| AS | Assortment |
| BG | Bag |
| BA | Bale |
| BI | Bar |
| BR | Barrel |
| BL | Block |
| B8 | Board |
| BF | Board Feet |
| BO | Bottle |
| BX | Box |
| BN | Bulk |
| BD | Bundle |
| BU | Bushel |
| CN | Can |
| CG | Card |

| EAN•UCC Unit Of Measures | |
|---|---|
| **Code** | **Code Description** |
| CT | Carton |
| CQ | Cartridge |
| CA | Case |
| AF | Centigram |
| C3 | Centiliter |
| CM | Centimeter |
| 1N | Count |
| CV | Cover |
| CC | Cubic Centimeter |
| C8 | Cubic Decimeter |
| CF | Cubic Feet |
| CI | Cubic Inches |
| CR | Cubic Meter |
| CO | Cubic Meters (Net) |
| MMQ | Cubic Millimetre |
| CU | Cup |
| DA | Days |
| DG | Decigram |
| DL | Deciliter |
| DM | Decimeter |
| CE | Degrees Celsius (Centigrade) |
| FA | Degrees Fahrenheit |
| DS | Display |
| DO | Dollars, U.S. |
| DZ | Dozen |
| DR | Drum |
| EA | Each |
| EV | Envelope |
| FT | Feet |
| UZ | Fifty Count |
| UY | Fifty Square Feet |
| FO | Fluid Ounce |
| GA | Gallon |
| GR | Gram |
| GT | Gross Kilogram |
| HD | Half Dozen |
| HC | Hundred Count |
| HL | Hundred Feet |
| CW | Hundred Pounds (CWT) |
| IN | Inches |

| EAN•UCC Unit Of Measures | |
|------|-----------------------|
| **Code** | **Code Description** |
| JR | Jar |
| KE | Keg |
| KG | Kilogram |
| DK | Kilometer |
| KT | Kit |
| LR | Layer(s) |
| LF | Linear Foot |
| LM | Linear Meter |
| LK | Link |
| LT | Liter |
| MR | Meter |
| MP | Metric Ton |
| MC | Microgram |
| 4G | Microliter |
| ME | Milligram |
| ML | Milliliter |
| MM | Millimeter |
| MX | Mod Pallet (Mixed) |
| 58 | Net Kilograms |
| OZ | Ounces |
| PH | Pack |
| PK | Package |
| PA | Pail |
| PR | Pair |
| PL | Pallet |
| PY | Peck, Dry U.S. |
| P1 | Percent |
| PC | Piece |
| PT | Pint |
| PTN | Portion |
| V2 | Pouch |
| LB | Pounds |
| PE | Pounds Equivalent |
| PG | Pounds Gross |
| PN | Pounds Net |
| QT | Quart |
| QS | Quart, Dry |
| RL | Roll |
| ST | Set |
| SH | Sheet |

| EAN•UCC Unit Of Measures | |
|---|---|
| **Code** | **Code Description** |
| SX | Shipment |
| FJ | Sizing Factor |
| SF | Square Foot |
| SM | Square Meter |
| SY | Square Yard |
| 15 | Stick |
| TK | Tank |
| TM | Thousand Feet |
| TE | Tote |
| NT | Trailer |
| TY | Tray |
| Z52 | Usage (e.g. in laundry, 24 usage) |
| UN | Unit |
| YD | Yard |

Additional Classification Agency Name

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| additionalClassificationAgencyName | Part of AdditionalClassification class. It is currently a string 1 to 35 Characters. This should be an EAN*UCC maintained code List. Values should be: | |
| | 1 | 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 |

Color Code List Agency

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| ColorCodeListAgency | | Part of TradeItemColorDescription class  It is String 1 to 3 characters.  This should be an EAN*UCC maintained code List.  Values should be: |
| | 1 | National Retail Federation – Standard Color & Size Codes This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems. http://www.nrf.com |
| | 2 | PANTONE MATCHING SYSTEM The definitive international reference for selecting, specifying, matching and controlling ink colors. The PANTONE formula guide, a three-guide set consisting of 1,114 solid PANTONE Colors on coated, uncoated and matte stock, shows corresponding printing ink formulas for each color, and the three-book set of solid chips provides coated, uncoated and matte perforated tear-out chips that can be used for quality control. Pantone® Inc http://www.pantone.com |
| | 3 | PANTONE Process Colour System® 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. The PANTONE Hexachrome® Color System Pantone® Inc http://www.pantone.com |

Color Code List Agency

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| colorCodeListAgency (continued) | 4 | The PANTONE Hexachrome® Color System 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 Pantone® Inc http://www.pantone.com |
| | 5 | PANTONE TEXTILE Colour System® 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 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 http://www.pantone.com |
| | 6 | Assigned by Buyer |
| | 7 | Assigned by Seller |

Size Code List Agency

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| sizeCodeListAgency | | Part of TradeItemSizeDescription class It is String 1 to 3 characters. This should be an EAN*UCC maintained code List. Values should be |
| | 1 | National Retail Federation – Standard Color & Size Codes This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems. http://www.nrf.com |
| | 2 | Assigned by Buyer |
| | 3 | Assigned by Seller |

Organic Trade Item Code

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| organicTradeItemCode | Part of OrganicTradeItemCharacteristics class It is String 1 to 35 characters.  This should be an EAN*UCC maintained code List.  Values should be (as specified in the BRD) | |
| | 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 isTradeItemGenetically-Modified or isTradeItemIrradiated being true) |

Organic Claim Agency

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| organicClaimAgency | Part of OrganicTradeItemCharacteristics class It is String 1 to 35 characters.  It is still not real clear what the usage or intended usage is. This should be an EAN*UCC maintained code List.  Values should be | |
| | 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 |

Packaging Type Code

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| packagingTypeCode | Part of PackagingType class. It is String 1 to 3 characters. 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.<br><br>Recommend using ANSI DE 103 Part 1 – Packaging Form and making it a EAN•UCC maintained code list. This seems to be more in-line with the intent of this attribute and packagingMaterialCode | |
| | AAA | Pallet, Returnable |
| | AAB | Splash Blend<br>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<br>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<br>Material or devices used to hold articles or sections of loads in position to prevent shifting during transportation |
| | BDG | Banding<br>Something that binds, ties, or encircles the package/container to secure and maintain unit integrity |
| | BDL | Bundle |
| | BEM | Beam |
| | BIC | Bing Chest |

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| | BIN | Bin |
| | BLK | Bulk |

Packaging Type Code

| Code | Code Description |
|------|------------------|
| BLT | Belting<br>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 |

| Code | Code Description |
|------|------------------|
| CRF | Corner Reinforcement<br>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<br>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<br>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<br>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 |

| Code | Code Description |
|------|------------------|
| KTB | Knockdown Tote Bin |
| LAB | Label Tag |
| LID | Lip/Top<br>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<br>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<br>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<br>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<br>A commercial (leased) or Government-owned shipping container controlled by the Military Sealift Command. |
| MXD | Mixed |
| NOL | Noil |
| PA | Packet |
| PAF | Pallet – 4 Way<br>A pallet that permits entry of handling equipment on each of its four sides |
| PAL | Pail |
| PAT | Pallet - 2 Way<br>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 |

| Code | Code Description |
|------|------------------|
| PLC | Primary Lift Container<br>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<br>The proceeds of applying separators or dividers |
| PUN | Punnet |
| PWT | Plastic-Wrapped Tray |
| RAL | Rail (Semiconductor) |
| RCK | Rack |
| REL | Reel |
| RFT | Reinforcement<br>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<br>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<br>Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation |
| SLV | Sleeve |
| SPI | Spin Cylinders |
| SPL | Spool |

| Code | Code Description |
|------|------------------|
| SPR | Separator/Divider<br>In packaging, any material inserted between tiers or layers of articles to prevent contact and provide protection |
| SRW | Shrink Wrap<br>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<br>In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity |
| SV2 | SEAVAN<br>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 |

Packaging Material Code

Packaging Material Code List Maintenance Agency

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| packagingMaterialCode | Part of PackagingMaterialType class. It is String 1 to 3 characters. The BRD states "Code source needs to be defined. Currently a European Union table of code lists exists for this requirement". However, it would seem that the packagingMaterialCodeListMaintenanceAgency would qualify this attribute since the agency code is required if this attribute is populated. The definition should read: "The code specifying the packaging material from the code list identified in packagingMaterialCodeListMaintenanceAgency. | |
| packagingMaterialCodeListMaintenanceAgency | Part of PackagingMaterialType class. It is String 1 to 3 characters. This should be an EAN*UCC maintained code List. Values should be | |
| | 1 | UN/CEFACT – Recommendation 21 Codes for Passengers, Types of Cargo, Packages, and Packaging Material. Available at http://www.unece.org/cefact/ |
| | E | EAN•UCC maintained Packaging Material code list. (see appendix for code list) |

Packaging Terms and Conditions

| Attribute Name | Comments | |
|---|---|---|
| | Code | Code Description |
| packagingTermsAndCondition | Part of PackagingMaterialType class.  It is String 1 to 3 characters.  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 an EAN*UCC maintained code List.  Values should be: | |
| | 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 |

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| | 12 | Recycling Fee Paid<br>Identifies that the package recycling fee for a trade item has already been paid when the item is sold to the retailer. |

Pallet Type Code

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

| Attribute Name | Comments | |
| --- | --- | --- |
| | **Code** | **Code Description** |
| | 16 | Synthetic pallet ISO 2<br>A standard pallet with standard dimensions 100*120cm made of a synthetic material for hygienic reasons. |
| | 17 | Wholesaler pallet<br>Pallet provided by the wholesaler |
| | 18 | Pallet 80 X 100 cm<br>Pallet with dimensions 80 X 100 cm. |
| | 19 | Pallet 60 X 100 cm<br>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<br>Australian Pallet with dimension 115.5 X 116.5 cm |

Pallet Terms and Conditions

| Attribute Name | Comments | |
| --- | --- | --- |
| | **Code** | **Code Description** |
| palletTermsAndConditions | Part of TradeItemPalletInformation 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 packagingTermsAnd-Condition This should be an EAN*UCC maintained code list. It should be extended to 1 to 3 characters. Values should be | |
| | 1 | No Exchange / No Return Pallet |
| | 2 | Exchange Pallets |
| | 3 | Return Pallets |
| | 4 | Pallets to be Purchased by Customer |
| | 5 | Pallet – Third Party Exchange<br>A pallet exchange program where a third party rents pallets for internal or external use. |
| | 6 | One-way pallet<br>Pallet need not be returned to the point of expedition. |

| Attribute Name | Comments | |
| | Code | Code Description |
|---|---|---|
| | 7 | Returnable pallet<br>Pallet must be returned to the point of expedition. |

EAN•UCC Packaging Material Codes

| Attribute Name | Comments | |
| | Code | Code Description |
|---|---|---|
| packagingMaterialCode | The following is the two-character code list to be used with element packageMaterialCode when packageMaterialCodeListMainte- nanceAgency contains a value of "E". | |
| | 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<br>Something that binds, ties, or en- circles the package/container to secure and maintain unit integrity |
| | 49 | Insulated |
| | 50 | Steel - Vinyl Coated<br>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) |

| Attribute Name | Comments | |
|---|---|---|
| | **Code** | **Code Description** |
| | 70 | Multiple-wall Paper (3 or more walls) |
| | 71 | Not Otherwise Specified |
| | 72 | Paper – VCI<br>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<br>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<br>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 aluminum mold |
| | 78 | Plastic - Injection Molded<br>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<br>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<br>A plastic prepared from discarded articles that have been reprocessed, often changing some of its original properties |
| | 84 | Polystyrene<br>A polymer prepared by the polymerization of styrene as the sole monomer |
| | 85 | Rubber |

| Attribute Name | Comments | |
| --- | --- | --- |
| | **Code** | **Code Description** |
| | 86 | Foam<br>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<br>The structure formed by one corrugated inner member between two flat facings; also known as double face |
| | 96 | Double Wall Corrugated Board<br>The structure formed by three flat facings and two intermediate corrugated members |
| | 97 | Triple Wall Corrugated Board<br>The structure formed by four flat facings and three intermediate corrugated members |
| | 98 | Ceramic or Stoneware |

### 1.7.3 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.

## 1.8 Testing

### 1.8.1 Pass / Fail Criteria

Not defined.

### 1.8.2 Test Data

| Attribute | Value |
|-----------|-------|
| Not Available | |
| | |
| | |
| | |
| | |

## 1.9    Appendices

### 1.9.1    Appendix A: Attribute Variations

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (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 |
| additionalClassificationCategoryDescription | E | N (Global) | T.P.Neutral |
| additionalTradeItemDescription | E | Y (Global/Local) | T.P.Neutral |
| agreedMaximumBuyingQuantity | E | Y (Global/Local) | T.P.Neutral |
| agreedMinimumBuyingQuantity | 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 |
| 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 |
| cataloguePrice | E | Y (Global/Local) | T.P.Neutral |
| classComplianceRegulationCode | Unknown | N (Global) | T.P.Neutral |
| classOfDangerousGoods | E | 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 |
| colorCodeListAgency | E | N (Global) | T.P.Neutral |
| colorCodeValue | E | N (Global) | T.P.Neutral |
| colorDescription | E | N (Global) | T.P.Neutral |
| consumerAvailibilityDateTime | E | Y (Global/Local) | T.P.Neutral |
| couponFamilyCode | E | Y (Local) | T.P.Neutral |
| dangerousGoodsAMarginNumber | E | Y (Local) | T.P.Neutral |
| dangerousGoodsHazardousCode | E | N (Global) | T.P.Neutral |
| dangerousGoodsPackingGroup | E | N (Global) | T.P.Neutral |
| dangerousGoodsRegulationCode | E | N (Global) | T.P.Neutral |
| dangerousGoodsShippingName | E | N (Global) | T.P.Neutral |
| dangerousGoodsTechnicalName | E | N (Global) | T.P.Neutral |
| deliveryToDistributionCenterTemperatureMaximum | E | N (Global) | T.P.Neutral |
| deliveryToDistributionCenterTemperatureMinimum | E | N (Global) | T.P.Neutral |
| deliveryToMarketTemperatureMaximum | E | N (Global) | T.P.Neutral |
| deliveryToMarketTemperatureMinimum | E | N (Global) | T.P.Neutral |
| depositValueEffectiveDate | E | Y (Global/Local) | T.P.Neutral |
| depositValueEndDate | E | Y (Global/Local) | T.P.Neutral |
| depth | E | N (Global) | T.P.Neutral |
| descriptionShort | E | N (Global) | T.P.Neutral |
| descriptiveSize | E | N (Global) | T.P.Neutral |
| descriptiveSizeDimension | E | N (Global) | T.P.Neutral |

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (Global/Local), Y (Local) | Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral+F53) OR Both |
|---|---|---|---|
| diameter | E | N (Global) | T.P.Neutral |
| discontinuedDate | E | Y (Global/Local) | T.P.Neutral |
| drainedWeight | E | N (Global) | 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 |
| 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 |
| firstdeliverydatetime | E | Y (Global/Local) | T.P.Neutral & T.P.Dependent |
| firstOrderDate | E | Y (Global/Local) | T.P.Neutral & T.P.Dependent |
| firstShipDate | E | Y (Global/Local) | T.P.Neutral & T.P.Dependent |
| flashPointTemperature | E | N (Global) | T.P.Neutral |
| functionalName | E | N (Global) | T.P.Neutral |
| genericIngredient | E | Y (Local) | T.P.Neutral |
| genericIngredientStrength | E | Y (Local) | T.P.Neutral |
| globalTradeItemNumber | C | N (Global) | T.P.Neutral |
| goodsPickUpLeadTime | E | Y (Global/Local) | T.P.Neutral |
| grossWeight | E | N (Global) | T.P.Neutral |
| handlingInstructionsCode | E | N (Global) | T.P.Neutral |
| hasBatchNumber | E | Y (Local) | T.P.Neutral |
| height | E | N (Global) | 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 |
| invoiceName | E | N (Global) | T.P.Neutral |
| isnetContentDeclarationIndicated | E | Y (Global/Local) | T.P.Neutral |
| isNonSoldTradeItemReturnable | E | Y (Global/Local) | T.P.Neutral |
| isPackagingMarkedReturnable | E | N (Global) | T.P.Neutral |
| isPackagingMarkedWithIngredients | E | Y (Local) | T.P.Neutral |

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (Global/Local), Y (Local) | Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) OR Both |
|---|---|---|---|
| isTradeItemABaseUnit | E | | T.P.Neutral |
| isTradeItemAConsumerUnit | E | N (Global) | T.P.Neutral |
| isTradeItemADispatchUnit | E | Y (Global/Local) | T.P.Dependent |
| isTradeItemAnInvoiceUnit | E | Y (Global/Local) | T.P.Dependent |
| isTradeItemAnOrderableUnit | E | Y (Global/Local) | T.P.Dependent |
| isTradeItemAVariableUnit | E | N (Global) | T.P.Neutral |
| isTradeItemMarkedAsRecyclable | E | Y (Global/Local) | T.P.Neutral |
| isTradeItemReorderable | E | Y (Global/Local) | T.P.Neutral |
| isTradeItemSizedBasedPricing | 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 |
| linktoexternaldescription | E | Y (Global/Local) | T.P.Neutral |
| manufacturer | E | N (Global) | 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 | Unknown | Y (Global/Local) | T.P.Neutral |
| minimumTradeItemLifespanFromTimeOfArrival | E | Y (Global/Local) | T.P.Neutral & T.P.Dependent |
| minimumTradeItemLifespanFromTimeOfProduction | 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 |
| netContent | E | N (Global) | T.P.Neutral |
| netWeight | E | N (Global) | T.P.Neutral |
| offerOnPack | E | Y (Local) | T.P.Neutral |
| orderingLeadTime | E | Y (Global/Local) | 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 |
| orderingUnitOfMeasure | E | Y (Global) | T.P.Neutral |
| organicClaimAgency | E | Y (Global/Local) | T.P.Neutral |
| organicTradeItemCode | E | Y (Global/Local) | T.P.Neutral |
| packageMarksEnvironment | E | Y (Local) | T.P.Neutral |
| packageMarksDietAllergen | E | Y (Local) | T.P.Neutral |
| packageMarksEthical | E | Y (Local) | T.P.Neutral |

## Business Solution Design

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (Global/Local), Y (Local) | Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) OR Both |
|---|---|---|---|
| packageMarksFreeFrom | E | Y (Local) | T.P.Neutral |
| packagingMarkedExpirationDateType | E | Y (Local) | T.P.Neutral |
| packagingMarkedRecyclableScheme | E | Y (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 |
| packagingTermsAndCondition | E | N (Global) | T.P.Neutral |
| packagingTypeCode | E | N (Global) | T.P.Neutral |
| packagingTypeDescription | E | N (Global) | T.P.Neutral |
| palletTermsAndConditions | E | Y (Global/Local) | T.P.Neutral |
| palletTypeCode | E | Y (Global/Local) | T.P.Neutral |
| partyReceivingPrivateData | E | N (Global) | T.P.Dependent |
| pegHoleNumber | E | N (Global) | T.P.Neutral |
| pegHorizontal | E | N (Global) | T.P.Neutral |
| pegVertical | E | N (Global) | T.P.Neutral |
| priceByMeasureType | E | Y (Global/Local) | T.P.Dependent |
| priceComparisonContentType | E | Y (Global) | T.P.Neutral |
| priceComparisonMeasurement | E | Y (Global) | T.P.Neutral |
| priceOnPackIndicator | E | N (Global) | T.P.Neutral |
| productRange | E | N (Global) | T.P.Neutral |
| publicationDate | E | Y (Global/Local) | T.P.Neutral & T.P.Dependent |
| quantityOfChildren | E | N (Global) | T.P.Neutral |
| quantityOfCompleteLayersContainedInATradeItem | E | N (Global) | T.P.Neutral |
| quantityOfInnerPack | E | N (Global) | T.P.Neutral |
| quantityOfLayersPerPallet | E | N (Global) | 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 | N (Global) | T.P.Neutral |
| quantityOfTradeItemsPerPalletLayer | E | N (Global) | T.P.Neutral |
| replacedTradeItemIdentification | E | Y (Global/Local) | T.P.Neutral |
| retailPriceOnTradeItem | E | N (Global) | T.P.Neutral |
| returnablePackageDepositCode | E | Y (Global/Local) | T.P.Neutral |
| returnablePackageDepositAmount | E | Y (Global/Local) | T.P.Neutral |
| seasonCalendarYear | E | Y (Local) | T.P.Neutral |
| seasonParameter | E | Y (Local) | T.P.Neutral |
| seasonalAvailabilityEndDate | E | Y (Local) | T.P.Neutral |
| seasonalAvailabilityStartDate | E | Y (Local) | T.P.Neutral |
| seasonName | E | Y (Local) | T.P.Neutral |

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (Global/Local), Y (Local) | Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) OR Both |
|---|---|---|---|
| securityTagLocation | E | Y (Local) | T.P.Neutral |
| securityTagType | E | Y (Local) | T.P.Neutral |
| sellingUnitOfMeasure | E | Y (Global/Local) | T.P.Neutral |
| 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 | N (Global) | 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 |
| storageHandlingHumidityMaximum | E | Y (Global/Local) | T.P.Neutral |
| storageHandlingHumidityMinimum | E | Y (Global/Local) | T.P.Neutral |
| storageHandlingTemperatureMaximum | E | N (Global) | T.P.Neutral |
| storageHandlingTemperatureMinimum | E | N (Global) | T.P.Neutral |
| subBrand | E | N (Global) | T.P.Neutral |
| 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 |
| taxAmount | E | Y (Global/Local) | T.P.Neutral |
| taxRate | E | Y (Global/Local) | T.P.Neutral |
| taxTypeCode | E | Y (Global/Local) | T.P.Neutral |
| taxTypeDescription | E | Y (Global/Local) | T.P.Neutral |
| threadCount | E | N (Global) | T.P.Neutral |
| totalQuantityOfNextLowerLevelTradeItem | E | N (Global) | T.P.Neutral |
| tradeItemCompositionWidth | E | N (Global) | T.P.Neutral |
| tradeItemCountryOfAssembly | E | N (Global) | T.P.Neutral |
| tradeItemCountryOfOrigin | E | N (Global) | T.P.Neutral |
| tradeItemDescription | C | N (Global) | T.P.Neutral |
| tradeItemFeatureBenefit | E | N (Global) | T.P.Neutral |
| tradeItemFinishDescription | E | N (Global) | T.P.Neutral |
| tradeItemFormDescription | E | N (Global) | T.P.Neutral |
| tradeItemGroupIdentificationCode | E | N (Global) | T.P.Neutral |
| tradeItemGroupIdentificationDescription | E | N (Global) | T.P.Neutral |

| Resolved Item Name | Core/Extension | Can vary by Target Market i.e has status: N (Global), Y (Global/Local), Y (Local) | Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral) or Both |
|---|---|---|---|
| tradeItemidentificationOfNextLowerLevelTradeItem | E | N (Global) | T.P.Neutral |
| tradeItemMarketingMessage | E | Y (Global/Local) | T.P.Neutral |
| tradeItemUnitDescriptor | C | N (Global) | T.P.Neutral |
| unitedNationsDangerousGoodsNumber | E | N (Global) | T.P.Neutral |
| variant | E | N (Global) | T.P.Neutral |
| variableTradeItemType | E | Y (Global/Local) | T.P.Neutral |
| width | E | N (Global) | T.P.Neutral |

### 1.9.2 Appendix B Attribute Association by Trade Item Hierarchy Level for Data Synchronization

| 1 Attribute Association by Trade Item Hierarchy Level for Data Sync globaltrade |
|---|

| Resolved Item Name | Mixed Module (MX) M/O/D Status | Common | Pallet (PL) M/O/D Status | Common | Displays, Shippers or Mixed Cases (DS) M/O/D Status | Common | Case (CS) M/O/D Status | Common | Pack/Inner Pack (PK) M/O/D Status | Common | Each (EA) M/O/D Status | Common |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| isTradeItemABaseUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| isTradeItemAConsumerUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| isTradeItemADespatchUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| isTradeItemAnOrderableUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| isTradeItemAnInvoiceUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| orderQuantityMultiple | O | N | O | N | O | N | O | N | O | N | O | N |
| orderQuantityMinimum | O | N | O | N | O | N | O | N | O | N | O | N |
| orderQuantityMaximum | O | N | O | N | O | N | O | N | O | N | O | N |
| orderSizingFactor | O | N | O | N | O | N | O | N | O | N | O | N |
| nameOfInformation Provider | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| totalQuantityOfNextLower-LevelTradeItem | M | N | M | N | M | | M | N | M | N | | |
| brandOwner | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| nameOfBrandOwner | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| partyReceivingPrivateData | D | Y | D | Y | D | Y | D | Y | D | Y | D | Y |
| manufacturer | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| nameOfManufacturer | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| netContent | D | N | D | N | D | N | D | N | D | N | D | N |
| isNetContentDeclarationIndicated | O | N | O | N | O | N | O | N | O | N | O | N |
| height | M | N | M | N | M | N | M | N | M | N | M | N |
| width | M | N | M | N | M | N | M | N | M | N | M | N |
| depth | M | N | M | N | M | N | M | N | M | N | M | N |
| grossWeight | D | N | D | N | D | N | D | N | D | N | D | N |
| netWeight | O | N | O | N | O | N | O | N | O | N | | |
| diameter | | | | | | | | | | | O | N |
| drainedWeight | | | | | | | | | | | O | N |
| effectiveDate | M | N | M | N | M | N | M | N | M | N | M | N |
| lastChangeDateTime | M | N | M | N | M | N | M | N | M | N | M | N |
| publicationDate | M | N | M | N | M | N | M | N | M | N | M | N |
| startAvailabilityDateTime | M | N | M | N | M | N | M | N | M | N | M | N |
| endAvailabilityDateTime | O | N | O | N | O | N | O | N | O | N | O | N |
| consumerAvailibility-DateTime | | | | | | | | | | | O | N |
| discontinuedDate | O | N | O | N | O | N | O | N | O | N | O | N |
| canceledDate | O | N | O | N | O | N | O | N | O | N | O | N |

| Resolved Item Name | Mixed Module (MX) | | Pallet (PL) | | Displays, Shippers or Mixed Cases (DS) | | Case (CS) | | Pack/Inner Pack (PK) | | Each (EA) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common |
| dangerousGoodsRegulationCode | D | N | D | N | D | N | D | N | D | N | D | N |
| unitedNationsDangerousGoodsNumber | D | N | D | N | D | N | D | N | D | N | D | N |
| dangerousGoodsShippingName | D | N | D | N | D | N | D | N | D | N | D | N |
| dangerousGoodsTechnicalName | D | N | D | N | D | N | D | N | D | N | D | N |
| dangerousGoodsPackingGroup | D | N | D | N | D | N | D | N | D | N | D | N |
| dangerousGoodsHazardousCode | D | N | D | N | D | N | D | N | D | N | D | N |
| dangerousGoodsAMarginNumber | D | N | D | N | D | N | D | N | D | N | D | N |
| flashPointTemperature | | | | | | | | | | | D | N |
| stackingWeightMaximum | O | N | O | N | O | N | O | N | O | N | O | N |
| storageHandlingTemperatureMaximum | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| storageHandlingTemperatureMinimum | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| handlingInstructionsCode | O | N | O | N | O | N | O | N | O | N | O | N |
| deliveryToMarketTemperatureMaximum | | | | | | | | | | | O | N |
| deliveryToMarketTemperatureMinimum | | | | | | | | | | | O | N |
| deliveryToDistributionCenterTemperatureMaximum | | | | | | | | | | | O | N |
| deliveryToDistributionCenterTemperatureMinimum | | | | | | | | | | | O | N |
| orderingLeadTime | O | N | O | N | O | N | O | N | O | N | O | N |
| palletTypeCode | O | N | O | N | O | N | O | N | O | N | O | N |
| quantityOfTradeItemsPerPallet | | | | | O | N | O | N | O | N | O | N |
| quantityOfLayersPerPallet | | | | | | | | | | | O | N |
| quantityOfTradeItemsPerPalletLayer | | | | | O | N | O | N | O | N | O | N |
| quantityOfTradeItemsContainedInACompleteLayer | O | N | O | N | O | N | O | N | O | N | | |
| palletTermsAndConditions | O | N | | | | | | | | | | |
| tradeItemUnitDescriptor | M | N | M | N | M | N | M | N | M | N | M | N |
| invoiceName | O | N | O | N | O | N | O | N | O | N | O | N |
| tradeItemFormDescription | | | | | | | | | | | O | N |
| productRange | | | | | | | | | | | O | N |

| Resolved Item Name | Mixed Module (MX) M/O/D Status | Common | Pallet (PL) M/O/D Status | Common | Displays, Shippers or Mixed Cases (DS) M/O/D Status | Common | Case (CS) M/O/D Status | Common | Pack/Inner Pack (PK) M/O/D Status | Common | Each (EA) M/O/D Status | Common |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| subBrand | | | | | | | | | | | O | Y |
| functionalName | M | N | M | N | M | N | M | N | M | N | M | N |
| descriptiveSize | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| variant | | | | | | | | | | | O | N |
| colorCodeValue | | | | | | | | | | | O | N |
| colorDescription | | | | | | | | | | | O | N |
| colorCodeListAgency | | | | | | | | | | | O | N |
| priceOnPackIndicator | | | | | | | | | | | M | N |
| suggestedRetailPrice | | | | | | | | | | | O | N |
| retailPriceOnTradeItem | | | | | | | | | | | O | N |
| couponFamilyCode | | | | | | | | | | | O | N |
| genericIngredient | | | | | | | | | | | O | N |
| genericIngredientStrength | | | | | | | | | | | O | N |
| hasBatchNumber | | | | | | | | | | | O | N |
| isTradeItemGeneticallyModified | | | | | | | | | | | O | N |
| isTradeItemIrradiated | | | | | | | | | | | O | N |
| organicTradeItemCode | | | | | | | | | | | O | N |
| organicClaimAgency | | | | | | | | | | | O | N |
| isTradeItemAVariableUnit | M | N | M | N | M | N | M | N | M | N | M | N |
| percentageOfAlcoholByVolume | | | | | | | | | | | O | N |
| fatPercentageInDryMatter | | | | | | | | | | | O | N |
| degreeOfOriginalWort | O | N | O | N | O | N | O | N | O | N | O | N |
| isBarcodeOnThePackage | M | N | M | N | M | N | M | N | M | N | M | N |
| isPackagingMarkedReturnable | M | N | M | N | M | N | M | N | M | N | M | N |
| minimumTradeItemLifespanFromTimeOfArrival | | | | | | | | | | | O | N |
| countryOfOrigin | | | | | | | | | | | O | N |
| isTradeItemMarkedAsRecyclable | | | | | | | | | | | O | N |
| isNonSoldTradeItemReturnable | | | | | | | | | | | O | N |
| taxTypeCode | O | N | O | N | O | N | O | N | O | N | O | N |
| taxTypeDescription | O | N | O | N | O | N | O | N | O | N | O | N |
| taxRate | O | N | O | N | O | N | O | N | O | N | O | N |
| taxAmount | O | N | O | N | O | N | O | N | O | N | O | N |
| taxAgencyCode | O | N | O | N | O | N | O | N | O | N | O | N |
| targetMarketCountryCode | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| targetMarketSubdivisionCode | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |

| Resolved Item Name | Mixed Module (MX) | | Pallet (PL) | | Displays, Shippers or Mixed Cases (DS) | | Case (CS) | | Pack/Inner Pack (PK) | | Each (EA) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common | M/O/D Status | Common |
| targetMarketDescription | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| ingredientStrength | | | | | | | | | | | O | N |
| sizeCodeValue | | | | | | | | | | | O | N |
| sizeCodeListAgency | | | | | | | | | | | O | N |
| cataloguePrice | O | N | O | N | O | N | O | N | O | N | O | N |
| effectiveStartDate | D | N | D | N | D | N | D | N | D | N | D | N |
| effectiveEndDate | O | N | O | N | O | N | O | N | O | N | O | N |
| packagingTypeCode | O | N | O | N | O | N | O | N | O | N | O | N |
| packagingTypeDescription | O | N | O | N | O | N | O | N | O | N | O | N |
| pegHorizontal | | | | | | | | | | | O | N |
| pegVertical | | | | | | | | | | | O | N |
| quantityOfInnerPack | O | N | O | N | O | N | O | N | O | N | O | N |
| quantityOfNextLevelTradeItemWithinInnerPack | O | N | O | N | O | N | O | N | O | N | O | N |
| packagingMaterialCode | O | N | O | N | O | N | O | N | O | N | O | N |
| packagingMaterialDescription | O | N | O | N | O | N | O | N | O | N | O | N |
| packagingMaterialCompositionQuantity | D | N | D | N | D | N | D | N | D | N | D | N |
| isPackagingMarkedWithIngredients | | | | | | | | | | | O | N |
| quantityOfCompleteLayersContainedInATradeItem | | N | O | N | O | N | O | N | O | N | | |
| quantityOfTradeItemsContainedInACompleteLayer | O | N | O | N | O | N | O | N | O | N | | |
| packagingMaterialCodeListMaintenanceAgency | D | A | D | A | D | A | D | A | D | A | D | A |
| packagingMarkedRecyclableScheme | M | N | M | N | M | N | M | N | M | N | M | N |
| materialSafetyDataSheetNumber | O | N | O | N | O | N | O | N | O | N | O | N |
| descriptionShort | | | | | | | | | | | O | N |
| brandName | M | N | M | N | M | N | M | N | M | N | M | N |
| tradeItemDescription | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| informationProvider | O | Y | O | Y | O | Y | O | Y | O | Y | O | Y |
| globalTradeItemNumber | O | N | O | N | O | N | O | N | O | N | O | N |
| classificationCategoryCode | | | | | | | | | | | O | N |
| classificationCategoryName | | | | | | | | | | | O | N |
| classificationCategoryDefinition | | | | | | | | | | | O | N |
| eANUCCClassificationAttributeTypeCode | | | | | | | | | | | O | N |

| Resolved Item Name | Mixed Module (MX) M/O/D Status | Common | Pallet (PL) M/O/D Status | Common | Displays, Shippers or Mixed Cases (DS) M/O/D Status | Common | Case (CS) M/O/D Status | Common | Pack/Inner Pack (PK) M/O/D Status | Common | Each (EA) M/O/D Status | Common |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| eANUCCClassificationttributeTypeName | | | | | | | | | | | O | N |
| eANUCCClassificationAttributeTypeDefinition | | | | | | | | | | | O | N |
| eANUCCClassificationAttributeValueCode | | | | | | | | | | | O | N |
| eANUCCClassificationAttributeValueName | | | | | | | | | | | O | N |
| additionalClassificationCategoryCode | O | N | O | N | O | N | O | N | O | N | O | N |
| additionalCassificationCategoryDescription | O | N | O | N | O | N | O | N | O | N | O | N |
| additionalClassificationAgencyName | O | N | O | N | O | N | O | N | O | N | O | N |
| nextLowerLevelGtin | M | N | M | N | M | N | M | N | M | N | M | N |
| quantityofNextLowerLevelTradeItem | M | N | M | N | M | N | M | N | M | N | M | N |
| quantityOfChildren | M | N | M | N | M | N | M | N | M | N | | |
| tradeItemGroupIdentificationCode | | | | | | | | | | | O | N |
| tradeItemGroupIdentificationDescription | | | | | | | | | | | D | N |
| replacedTradeItemIdentification | O | N | O | N | O | N | O | N | O | N | O | N |
| classOfDangerousGoods | D | N | D | N | D | N | D | N | D | N | D | N |
| packagingTermsAndCondition | O | N | O | N | O | | O | N | O | N | O | N |
| barCodeType | O | N | O | N | O | | O | N | O | N | O | N |
| additionalTradeItemDescription | O | N | O | N | O | | O | N | O | N | O | N |
| stackingFactor | O | N | O | N | O | | O | N | O | N | O | N |

## 1.10  Summary of Changes

*(Details changes to BMS for each version by BMS Section)*

| Change | BMS Version | Associated CR Number |
|---|---|---|
| - 1.5.4 Changed Trade Item Information Class Diagram for relationship to GDSNTradeItemClassification.<br>- 1.5.22 Changed Trade Item Classification to GDSNTradeItemClassification | 9.0.3 | |
| - Made following attributes optional<br>  o packagingMaterialDescription<br>  o packagingTypeDescription<br>  o additionalClassificationCategoryDescription<br>  o classificationCategoryDefinition<br>  o classificationCategoryName<br>  o eANUCCClassificationAttributeTypeName<br>  o eANUCCClassificationAttributeValueName<br>  o tradeItemDescription<br>  o taxTypeDescription<br>- Deprecated the value EAN_UCC_14 Symbol from and added NO_BARCODE to Bar Code Type List.<br>- Changed Attribute Association by Trade Item Hierarchy Level for Net Content to allow for population at all levels.<br>- Changed field length of subBrand to 1..70 and TradeItemDescription.text to 1..178.<br>• Section 1.9.2<br>  o Per Align CR 04-000069 - Updated Table for following attributes allowing for population at any level of the product hierarchy.<br>    ▪ quantityOfLayersPerPallet<br>    ▪ quantityOfTradeItemsContainedInACompleteLayer<br>    ▪ palletTypeCode<br>    ▪ PalletTermsAndConditions<br>- Changed packagingTermsandConditions to packagingTermsAndCondition.<br>• Updated definition of TradeItemDescription to eliminate field length references. | 9.0.4 – 9.0.5 | 05-000389, 04-000129 |

| | | |
|---|---|---|
| Updated the following code lists with new code values requested by the GDSN MR1<br>  - Special Item Code List<br>     o NOT_FOR_RESALE_TO_CONS UMER<br>  - Packaging Material Code List<br>     o 98<br>  - Size Type Code List<br>     o CHEST_BUST<br>     o HIP<br>     o OUTSIDE_LEG<br>  - Additional Classification Agency Name Code List<br>     o 7<br>     o 8<br>     o 9<br>     o 10<br>     o 11<br>     o 12<br>     o 13<br>     o 14<br>  - Packaging Terms and Conditions Code List<br>     o 12<br>  - Added business rules from Item BRD to section 1.4.2<br>  - Added Core and Extension Information to Appendix A.<br>  - Updated Business Rules for Target Market Subdivision Code, Functional Name, Trade Item Country Of Origin, Net Weight. | 9.0.6 | 06-000182, 06-000275, 06-00313, 06-000331, 06-000340, 06-000343 |
|   - Removed Code 12 (ICC) from the AdditionalClassificationAgencyCodeList | 9.0.7 | 07-000276 |

## 2   Technical Solution Design

This section provides the specifications for the standards content ITRG approves. It is called the Technical Solution Design (TSD).

The Technical Solution Design contains:
- TSD Zip file Table of Contents
- Business Message Standard Section Technical Level GDD Report
- XSD (XML Schema Documents)
- XML Instance File and HTML Form View (XML and HTML files containing sample data specified in Section 1.6)

In the process of approving the Technical Solution Design, the ITRG will be provided the following artefacts:

- Any relevant Business Requirements Analysis Document (BRAD)
- Any relevant Business Requirements Document (BRD)
- Section 1 of Business Message Standard (Business Solution Design)
- Comment Resolution Template from Technical Public Review
- XML Test Report
- Change Request
- Other informative or reference documents