

Business Message Standard For

Data Synchronization Data Model
for Trade Item
(Data Definition)

Version 1.3.1

November 2003



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Purpose

The purpose of this Business Message Standard is to provide the necessary information to implement this message as part of the EAN.UCC System. The information contained within this document is a direct result of the work conducted by the EAN.UCC's Align Business Requirements Group.

The content of this document is actually a collection of material from several different sources to create a single source of information that will provide the necessary basics to understand and implement this EAN.UCC Business Message Standard. The core of this document originates from the Business Requirements Document that is created by the Business Requirements Groups to define the business needs that are to be addressed by this Message. The document then provides the technical details needed to implement the message: a report from the Global Data Dictionary, StyleSheet and Instance File.

This Business Message Standard is meant to be used in conjunction with the EAN.UCC XML Schemas that are available on the EAN and UCC websites. The implementer of these standards needs to be aware of the interrelationship amongst the XML Schemas and the importance of using only interoperable versions.

The reader will notice as they progress through this document that there are several different 'levels' of information that is presented. We begin with the business rationale for the message and then move into the technical details of how and what is needed to exchange this message. This design is deliberate to reach the broadest audience and to meet their needs. Based upon the reader's experience and intentions, specific sections of this document may be more valuable than others. This design and content of this document is based upon the direct feedback from our user community and as such, we are constantly revising and refining how and what we present.

BACKGROUND

EAN.UCC Business Message Standard:	Data Synchronization Data Model for Trade Item	
Business Requirement Group:	Align	
Business Requirement Document:	Data Synchronization Data Model for Trade Item (Data Definition)	
Business Requirements Group Manager:	Jack Eggert	Uniform Code Council
Global Data Dictionary:	EAN.UCC Global Data Dictionary v1.3.1	
Schemas:	EAN.UCC Schemas v1.3.1	
Schemas have been tested on Parser(s) and Version(s):	XML Spy Version 4.4, Xerces, XSV	

*Business Requirements Group
(BRG)*

**Business Requirement
Document For
Data Synchronization Data Model
for Trade Item
(Data Definition)**

Version 7.3

June 10, 2003

DOCUMENT HISTORY

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Document Summary

Document Title	EAN•UCC – Business Requirements Document For Data Synchronization Data Model for Trade Item – (Data Definition)
Owner	Align Data BRG Grant Kille - Co-Chair -Julia Holden – Vice Chair Vic Hansen –Co-Chair-Olivier Mouton –Vice Chair UCC - Jeggert@uc-council.org UCC – Mschneider@uc-council.org
Status	ITRG Approved

Document Change History Log

Date of Change	Version	Reason for Change	Summary of Change	CCR #
February 17, 2001	X.0	Messaging Architecture	Documentation to support the Core Item Business Process and to reflect the UCC UML methodology standards	XXXXX
February 28, 2001	2.0.1	Common Data Item Rpt	Edited the Common data item report.	
April 27, 2001	2.0.4	Added the Item Containment	Item Containment is described and has models but no attribute lists	
May 8, 2001	3.1	Comments at Vote	Approved BRD with the title of “Core Item & Extension of Relationship Dependent Data to Enable Trade” (This document input to approved July 2001 Business Message Standard – Simpl eb)	
June 5, 2001	4.1	Meeting in Orlando	See section 4.4 Change Summary that was documented on change request 01-000009	01-000009
May 9, 2002	5.0	UCC work group meeting and submittal to Align Data BRG (Item Task Group)	BRD format was upgraded to GSMP standards. Changed title of the document to “Core Item & Extension of Cross industry Data”	01-000011 01-000064 01-000065
May 10, 2002	V0.6.0	Models upgraded to match text changes	Class diagrams in the BRD were upgraded to reflect the text changes made in V0.5.0	
July 19, 2002	V0.6.1	Change to Section	Combined GCI and UCC	02-000065

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		3.0	standards work.	
August 12, 2002	V0.6.2	Change to Section 3.0. Add Section 5.0	Changes to data dictionary.	
Sept. 11, 2002	V0.6.3	Merged updates Implementation Section incorporated	Updates made to text from Item Project Team.	
Oct. 10, 2002	V0.6.4	Merged updates	Updates made to text from Item Project Team.	
Oct. 22, 2002	V7.0	Merged updates Models upgraded Implementation Section upgraded	Updates made to text from Item Project Team	
Nov. 21, 2002	V7.1	Models upgraded, Text upgraded, Attributes grouped to reflect UML.	Updates made to text based on comments resulting from Public Review by Align BRG. Changes to document agreed by project team.	
March 14, 2003	V7.2	Model Harmonization	Version 7.2 Model Harmonization Summary	
April 9, 2003	V7.2.1	Errata Changes	Reference separate document titled "TRADE ITEM – CORE AND EXTENSION – V. 7.2.1- Errata Change Summary	
May 5, 2003	V7.2.2	Errata Changes	Table on Appendix A – Attribute Variations checked to match the attribute conditions in the text.	
June 4, 2003	V7.3	Errata Changes	Incorporates Errata resulting from ITRG's review.	

Approvals

Name	Title	Signature	Date

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FOREWORD

“Implementation of this Item standard requires adherence to the business rules contained in this document in addition to adherence to the technical schema as it is designed. In order to enable reusability and commonality across the EAN.UCC Business Message Standards, a common library has been developed to support the technical implementation of the EAN.UCC standards into XML schemas resulting in standardized data types and field sizes. As a result, the schema will accommodate the data types and field sizes as defined in this standard, however, the schema does not enforce any specific field sizes as defined by the business requirements.”

1.0 Business Opportunity

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.

1.1 Problem Statement:

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.

1.2 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.

1.3 References:

- The legacy: the Global Data Alignment System (GDAS)
“ELECTRONIC CATALOGUES EAN RECOMMENDATIONS COMMON SET OF DATA” (June 1998-June 1999)

“GLOBAL DATA ALIGNMENT – GCI – DRAFT” (21 Jan. 2000 – 24 July 2000)

- 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

Note: The following text was extracted from a letter sent to the Align Data BRG on March 31, 2003: “Due to the timing of this policy paper and the dialogue going on within the user community regarding how it will affect the standards, the Executive Management Team decided that the policy would be implemented in version 2.0 of the standards, which should be published in 2004.”

Additionally, the existing Electronic Data Interchange messages in widespread use were mined for their business content.

- UCS 888 Item Maintenance
- VICS EDI 832 Price Sales Catalog
- I/C EDI 832 Price Sales Catalog
- EANCOM® PRICAT

Acknowledgement is also due to the work going on in the XML environment.

- ebXML/SOAP
- eCo Framework (Common Business Library)
- Rosettanet
- W3C

1.4 Acknowledgements:

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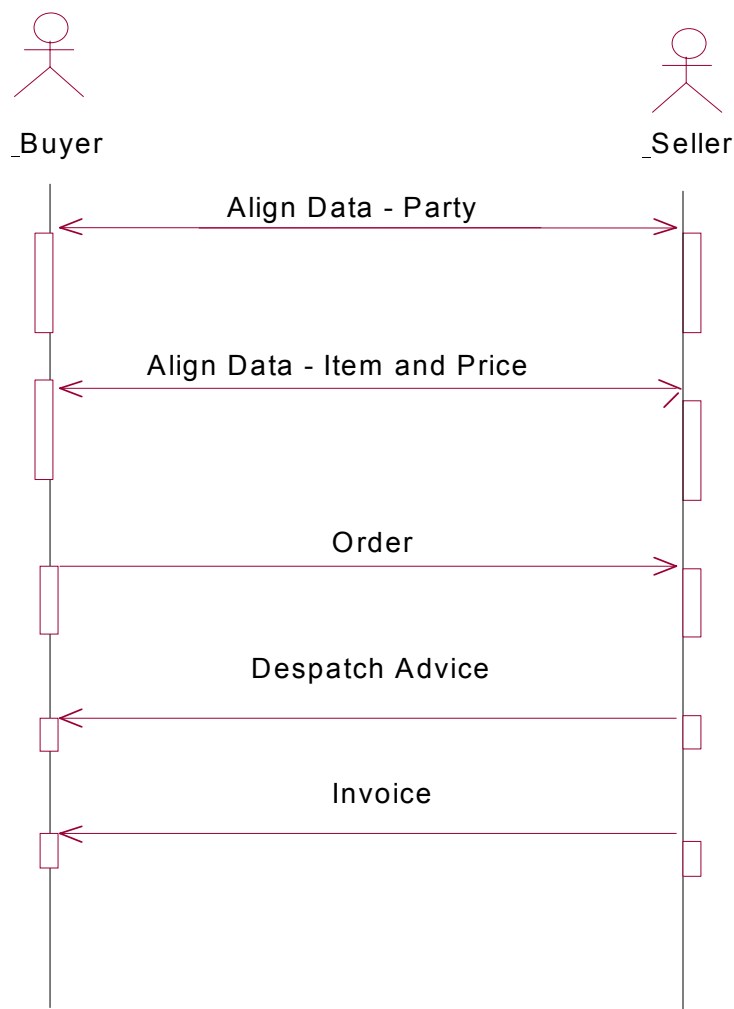
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2.0 Process View – General Requirements

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.

2.1 Use Case Scenario

There is only one scenario in the Item data communication process as described in problem statement of section 1.1. Item data alignment is the process of communicating the core item and cross industry data elements following the establishment of a business relationship between supplier, buyer or third party.



2.1.1 Business Opportunity/Problem Statement

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.

2.1.2 Actors

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	Third 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

2.1.3 Preconditions

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.

2.1.4 Process Start

The start-state of the Data Sync Trade Item business process begins during the initial discussions between the trading partners and the need to exchange item information.

2.1.5 Process End

Once the Data Sync Trade Item business message has been accepted by both the seller and buyer, then 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.

2.1.6 Post Conditions

The end-state of the Data Sync Trade Item business process occurs when the parties have achieved Party and Item data alignment.

2.1.7 Process Activities

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.

See the work completed by the data synchronization project team for a detailed view of data communication.

3.0 Logical View

The Data Sync Trade Item messages include the item's unique identification, descriptions, and characteristics.

3.1 Definition of Conditions

To help with the implementation of this data model, several key definitions are listed below.

Master Data/Transactional Data –

- Master data is considered to be that set of data that describes the specifications and structure of each item and party involved in the supply chain processes. The uniqueness of the data associated with a trade item is given only by the GTIN or an alternate item identification. This data is static, not dependent on a transaction.
- Transactional data is that set of data that can only be determined during a business transaction, i.e., plan, sell, buy, and deliver cycle. (E.g. actual amount of cases delivered).
- NOTE – this data model only includes master data

Master Data Alignment

- Master Data Alignment is the process of timely distribution of accurate Master Data from one partner to others and the correct use of this data. Such synchronization and use of Master Data leads to more accurate business transactions and therefore reinforces the efficiency of the supply chain operations.
- Successful Master Data Alignment is achieved via the use of EAN.UCC coding specifications throughout the supply chain, communication of all changes and new information between trading partners and use of the information exchanged in subsequent transactions.
- Master Data Alignment relies on EAN.UCC specifications concerning the Unique Identification of Items, GTIN or alternate item identification and

Parties GLN or alternate party identification type as shown in the Party BRD, section 3.2.

Core attributes:

- An attribute whose definition is common across all Industries
- Core attributes are common across all geographies. I.e. ALL Target Markets
- These attributes do not necessary need to be maintained by the Registry.
- Core attributes CANNOT be relationship dependant. They are trading partner neutral only

Extension attributes:

- An extension is an attribute that is relevant to one or more industries (not all EAN.UCC Industries)
- The definition of an extension attribute is common to all Industries who use the attribute.
- Each Industry is responsible for determining the extension attributes that are relevant to their Industry.
- New extension attributes may be submitted/requested for a specific Industry as necessary.
- The conditions of extension attributes can vary by each industry. E.g. Mandatory/Optional, Global/Local, Trading Partner Neutral/Relationship Dependent, and Common to all Hierarchy levels.
- Industry user groups should be developed in concert with the EAN.UCC GSMP Process, to determine their relevant extension attributes and the conditions associated with those attributes.
- Process user groups such as CPFR and local (target market) extensions.

Trading Partner Neutral/Trading Partner Dependent

Values for an attribute can vary depending on the relationship with the party receiving the data. The Trading Partner Neutral/Trading Partner Dependent status indicates this rule.

- The condition Trading Partner Neutral is applied to any attribute whose value is independent on a buyer and seller relationship. An attribute, which has the condition Trading Partner Neutral, can have only one set of values .
- The condition Trading Partner Dependent is applied to any attribute whose value is dependent on a buyer and seller relationship. An attribute, which has the condition Trading Partner Dependent, can have only one set of values per GLN of Party Receiving Data. These are attributes whose value is dependent on a specific point-to-point agreement between a buyer and a seller.
- An attribute which has the condition Trading Partner Neutral & Trading Partner Dependent, can have only one set of values for the Trading Partner Neutral value AND one set of values per GLN of Party Receiving Data

Multiple Values allowed

This condition is used to indicate that multiple values can be submitted for a trade item.

E.g. multiple types of packaging on a trade item e.g. plastic, cardboard etc

Where there is a need to express multiple measures, these are handled through indicating the attribute type as 'Measurement'. Both the value and UOM can be repeated, and must be used together. See section 4.6 on Unit of Measure in the implementation consideration and concerns.

Where there is a need to express multiple language versions, these are handled through indicating the attribute type as 'Text Description'. See section 4.4 on Language in the implementation consideration and concerns.

Market Group

- A Market Group is used to identify a proprietary group of data recipients. It is normally determined by the information provider although it can also be created by buyers and third parties. This group is used and developed by the information provider to control the publication of data to a specific group of customers. This should not be confused with Target Market.

Target Market Country Code

- The purpose of the target market country code is to organize master data to meet the requirements of specific geographies
- The purpose of this field is to explain where a manufacturer is intending to sell its product(s) to a buyer. It does not control where the buyer can resell the product (s) to the end consumer.
- It is the country, (the geopolitical area) where the product is to be sold and available for publication in an Item Catalog.
- Target Market Country Code in relationship to Master Data, can be Trading Partner Neutral only. A Target Market Country Code is **not used** to control Distribution or Consumer Market Area geographies. E.g. product available for shipment from a single Distribution Center.

Target Market Sub-Country Code

- A sub-country code level used to address/comply with a "law making" requirement associated with a country.
- The number of sub-country codes will vary by each country. These will match with the legislation requirements of each country. (Local bottle deposit tax laws, State and country taxes)
- Not all countries will have sub-country codes.

- A sub-country code must be associated with a Target Market Country Code. It cannot stand-alone.

Global/Global-Local/Local

- All attributes are impacted by their geo-political relevance. This condition can be used by information providers as they build data models. With this information, they can limit the attributes communicated to those relevant for that geography.
- A global attribute indicates that the attribute is relevant for business cases around the world, and can only have a single value throughout the world. (E.g. GTIN)
- A global/local attribute indicates that the field is relevant for business cases around the world, that its definition is the same around the world, but may have a different value depending on the geography. (E.g. VAT tax values, 1.00 in France, 1.05 in Belgium)
- A local attribute is only relevant in certain geographical areas, and the values may change based on where the product is offered for sale. (E.g. green dot – only relevant in certain European countries)

How does the Global/Global-Local/Local condition, and Target Market value interact to affect attribute values?

- An attribute, which has the condition 'Global', can have only one global value (except where there are multiple values allowed).
- An attribute which has the condition Global / Local can have one value per Target Market specified (except where there are multiple values allowed). A Global/Local attribute indicates that the field is relevant for business cases around the world, that its definition is the same around the world, but may have a different value depending on the geography. (E.g. the attribute - VAT tax values are relevant globally, but the actual value, 1.00 in France, 1.05 in Belgium varies by country)
As long as the attribute values apply consistently to the GTIN, GLN, TM combination the values are repeatable.

Example:

GTINa + GLNa + TMa + b, = Ohio, Indiana. Start availability date = January 1, 2003

Target Market can be repeated where the values for the attribute are the same
e.g. start availability date is the same for the GTIN + GLN + TM combination data set.

GTINa + GLNa + TMc = Kentucky. Start availability date = January 15, 2003

Note: If GTIN and GLN are not used, alternate item identification and alternate party identification should be used.

- An attribute, which has the condition Local, can have only one value for the Target Market that is valid for (except where there are multiple values allowed).

Attribute Cardinality

Mandatory

An attribute in this model is mandatory when its value is required.

Optional

An attribute in this model is Optional when its value is not required.

Dependent

An attribute in this model is Optional when its value is not required.

Type

An attribute in this model is depended when its value is condional on some other attribute's value.

The following data types are used in this model:

Alphanumeric (AN)
Amount
Boolean
Char
Description
Date
DateTime
Integer
Long Description
Long Text Description
Measurement
Measurement Value
Numeric (N)
Party Identification
Percentage
Text Description

Trade Item

- A Trade Item is any product or service upon which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. The term “trade item” is not to be confused with the legacy term “traded item” (now referred to within the General EAN.UCC Specifications as ‘standard trade item group’ which can mean a specific product containment level, which is also called case. “Trade item” can represent any level of product containment, and also can represent a service.

In addition, the supply chain is any point from the inception of the product through the final consumption and disposal/reuse/recycling/return of that trade item. Reference General EAN.UCC Specifications for definitions of the term ‘trade item’, ‘retail consumer trade item’, and ‘standard trade item grouping’.

Party

- A Party (or) Location is any legal, functional or physical entity involved at any point in any supply chain and upon which there is a need to retrieve pre-defined information.

Product Hierarchy Reference Level

This condition is used to indicate at what level of the product hierarchy each attribute is relevant. For some attributes, business requirements are such that the attribute only needs to be provided at a specific level.

Example – “netContent” this field is only required at the consumer unit level.
For most attributes, a value must be entered for all attribute levels.

Common Value to all Product Hierarchy

Common value condition indicates when the value for the attribute is equal for all levels of a hierarchy.

Example – “orderingLeadTime” is common across all levels of the product hierarchy; common value = Yes

Example – “grossWeight” is not common from each to case to pallet;
Common value = No

3.2 Trade Item

Class Name: NextLowerLevelTradeItemInformation

Item Name: totalQuantityOfNextLowerLevelTradeItem

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/RelationshipDependant: T.P.Neutral

Product Hierarchy Reference Level: Despatch units only

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: This represents the Total quantity of next lower level trade items that this trade item contains.

Examples:

NextLowerLevelTradeItem	(GTIN description)	QuantityofNextLowerLevelTradeItem	TotalQuantityofNextLowerLevelTradeItem
GTIN 1	Orange nail varnish	2	
GTIN 2	Purple nail varnish	2	
GTIN 3	Green nail varnish	2	
GTIN 4	Red nail varnish	2	
GTIN 5	Grey nail varnish	2	
			10

Business Rules: e.g. in a mixed module, with 2 x five different types of nail varnish, this number = 10.

Where this differs from “QuantityofNextLowerLevelTradeItem” is that this field is used in conjunction with each GTIN identified in the field ‘NextLowerLevelTradeItem’. E.g. in the example of 2 x five different types of nail varnish, this number = 2.

If the item is not mixed, then this number will equal the value submitted for the “QuantityofNextLowerLevelTradeItem” field.

Class Name: NextLowerLevelTradeItemInformation

Item Name: quantityOfChildren

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Despatch units only

Common value to all product hierarchy: No

Type: N

Size: ..10

Definition: Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs.

Examples: Ready to sell display of cosmetics contains 2 bottles each of five different colors (each with their own GTIN) of blush. The value for this field would be "5". See tables in Section 4.1 of the Implementation Considerations and Concerns.

Business Rules: Only applies to dispatch units (cases, pallets, etc.)

Class Name: ChildTradeItem

Item Name: quantityOfNextLowerLevelTradeItem

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: The number of next lower level trade item that this trade item contains.

Examples: See tables in Section 4.1 of the Implementation Considerations and Concerns.

Business Rules: This trade item may repeat if the GTIN of the lower level configuration repeats (e.g. if a combo-pack (mixed trade item) such as an assortment of crisps contains both chicken and cheese packets,

the lowest level GTIN is that of each trade item in the assortment, not the GTIN of the assortment)

Class Name: ChildTradeItem

Item Name: tradeItemIdentificationOfNextLowerLevelTradeItem → Represented as association of ChildTradeItem Class to TradeItemIdentification Class.

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: N
Size: 14

Definition: A reference to the GTIN of the next lower level of trade item that this trade item contains.

Examples: GTIN "00037000123415" contained in GTIN 00037000123330. See tables in Section 4.1 of the Implementation Considerations and Concerns for more examples.

Business Rules: 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

Class Name: Trade Item Identification

Item Name: replacedTradeItemIdentification → represented as a role in Trade Item Diagram

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: N
Size: ..14

Definition: Indicates the trade item identification of an item that is being permanently replaced by this trade item.

Examples: "01234567890128"

Business Rules: 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.

Class Name: TradeItemUnitIndicatorList

Item Name: tradeItemUnitDescriptor

Core/Extension: C

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 35

Definition: Describes the hierarchical level of the trade item. See implementation notes for full definition and rules for each value.

Examples: "CASE" , "PALLET"

3.3 Trade Item Identification

Business Rules: See implementation notes for complete description of each product hierarchy level. Reference TradeItemUnitDescriptorList which is an enumeration list in the Trade Item Class Diagram.

Class Name: AlternateTradeItemIdentification

Item Name: alternateTradeItemIdentification

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: ..35

Definition: This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.

Examples: "000000000198" (CF000198)

Business Rules: It is not to be used to group trade item or define trade item variants.

Class Name: GlobalTradeItemNumber

Item Name: globalTradeItemNumber

Core/Extension: C

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Integer

Size: 14

Definition: A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (product or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.

Examples: 14 digit code. Please see PTRG directions for creating GTINs

Business Rules: 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. See implementation notes.

Class Name: TradeItemIdentification

This class is mandatory to select a GTIN or the Alternate.

Class Name: FMCGTradeItemIdentificationList

Item Name: ISBN_NUMBER

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..10

Definition: Number assigned by the International Standard Book Number Agency.

Examples: "0-8407-2690-2" Standard for ISBN : ISO 2108

Business Rules: Standard for ISBN : ISO 2108
Standard for ISSN : ISO 3297-1975 (E)
Additional information on the standards can be found on the following web sites :
<http://www.isbn.org/standards/home/isbn/us/isbnqa.asp>
<http://www.issn.org:8080/English/pub/faqs>

Class Name: FMCGTradeItemIdentificationList

Item Name: ISSN_NUMBER

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..10

Definition: Number assigned by the International Standard Book Number Agency.

Examples: "0-8407-2690-2"
Standard for ISSN : ISO 3297-1975 (E)

Business Rules: Standard for ISBN : ISO 2108
Standard for ISSN : ISO 3297-1975 (E)
Additional information on the standards can be found on the following web sites :
<http://www.isbn.org/standards/home/isbn/us/isbnqa.asp>

<http://www.issn.org:8080/English/pub/faqs>

3.4 Trade Item Information

Class Name: Information Provider

Item Name: informationProvider

Core/Extension: C

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: PartyIdentification

Size: ..35

Definition: Unique location number identifying the information owner. E.g. Distributor, broker, Manufacturer, Franchisee. This is not a third party service provider. The purpose of this field is to identify the originator of the data. Example Trade Item A - is available to retailer B from manufacturer C or distributor D. The retailer could receive information from both sellers and this field declares the information owner.

Examples: Refer to the following websites for specific directions on how to construct global location numbers - www.uc-council.org or www.ean-int.org

Business Rules: 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. See implementation notes.

Class Name: InformationProvider

Item Name: nameOfInformation Provider

Core/Extension: E

Global Local Status: G

M/O/D: Dependent on informationProvider

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: AN

Size: ..35

Definition: Name of the party who owns the data. Name of the information provider on the trade item.

Examples: Names of suppliers, wholesalers, manufacturers, distributors, or retailers

Business Rules: Mandatory when Information Provider is provided.

Class Name: TargetMarketInformation

Item Name: targetMarketCountryCode

Core/Extension: C

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: N

Size: 3

Definition: The target market code indicates the country level or higher geographical definition in which the information provider will make the GTIN available to buyers. This Indicator does not in any way govern where the buyer may re-sell the GTIN to consumers.

Examples: "036"=Australia, "300" = Greece, "524"= Nepal

Business Rules: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. See implementation notes.

Class Name: TargetMarketInformation

Item Name: targetMarketDescription

Core/Extension: C

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: Description

Size: 35

Definition: The name for the specific target market identified with the Target Market Country Code . Target market description is composed of both text and a language code. The description will be generated from the ISO 3166-1 code list. The language code will be generated from the ISO 639 code list.

Examples: ISO 3166-1 840= "United States", 276= "Federal Republic of Germany", 156 = "China"

Business Rules: This is the textual indication of the target market code. See Section 4.4 of Implementation Considerations and Concerns for more details.

Class Name: TargetMarketInformation

Item Name: targetMarketSubdivisionCode

Core/Extension: C

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: AN

Size: 7

Definition: The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a country" where the trade item is available for sale, as determined by the information provider. For example, "State" in the US, "Land" in Germany, "Region" in France, or "Province" in Canada. Not all countries have subdivisions. This code is represented by the three-character ISO 3166-2 code. This Target Market Subdivision Code is a dependent attribute. It is important to note that the lack of the Target Market Subdivision code implies that the trade item is available in the entire target market country.

Examples: “

“208-025” where “208” represents Denmark from the ISO 3166-1 and 025 represents the Danish county of Roskilde from the ISO 3166-2.

“554-BOP” where “554” represents New Zealand from the ISO 3166-1 and “BOP” represents the Bay of Plenty.

Business Rules: ISO 3166-2 format 3 digit numerical/3 character alpha which represents country and subcountry code; following AIDC guidelines. This information drives data synchronization rules linked to global/local, local status. This optional field helps further define trade item availability. The target market code consists of a country code and an

optional subdivision code. A subdivision code must be used in tandem with a corresponding higher level country code. (e.g. Ohio with US). This is a repeatable field.

Class Name: TradeItemDescriptionInformation

Item Name: additionalTradeItemDescription

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Consumer Unit
Common value to all product hierarchy: No
Type: LongTextDescription
Size: ..350

Definition: Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Color, and Fragrance.

Examples:

Business Rules: 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 from the attached table. See Section 4.4 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemDescriptionInformation

Item Name: brandName

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: AN
Size: .. 35

Definition: The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer. See examples.

Examples: ACME

Business Rules: 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.

Class Name: TradeItemDescriptionInformation

Item Name: descriptionShort

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Text Description

Size: 30

Definition: A free form short length description of the trade item that can be used to identify the trade item at point of sale.

Examples: Kel CrnF750g.

Business Rules: Free form 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. See Section 4.4 of the Implementation Considerations and Concerns for more details.

Class Name: TradeItemDescriptionInformation

Item Name: functionalName

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: TextDescription

Size: ..35

Definition: Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.

Examples: drill, salad dressing, soup, beer.

Business Rules: Free form 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. See Section 4.4 of the Implementation Considerations and Concerns for more details.

Class Name: TradeItemDescriptionInformation

Item Name: invoiceName

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: TextDescription

Size: ..35

Definition: Free form information provider assigned trade item description designed to match trade item/service description as noted on invoices.

Examples:

Business Rules: Free form 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. See Section 4.4 of the Implementation Considerations and Concerns for more details. Most likely will include several abbreviations.

Class Name: TradeItemDescriptionInformation

Item Name: tradeItemDescription

Core/Extension: C

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: LongText Description

Size: ..143

Definition*: The concatenated product description of a product or service. See business rules.

Examples*: When a supplier sends all information in maximum size the retailer will get for example following information:

YummyCola_____Yummy_____
_____Drink_____Big Size_____

For automatic use of this information, e.g. on a tag, a separator should be given between all elements. E.g: Yummy-Cola; Yummy; Drink; Big Size.

Business Rules*: 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 . See implementation notes for more details.

* This is a derived attribute resulting from the concatenation of 4 other attributes of up to 35 characters each (see Business Rules above). 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.

Class Name: TradeItemDescriptionInformation

Item Name: productRange

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..35

Definition: A name, used by a BrandOwner, that span multiple consumer categories or uses. E.g. (Waist Watchers)

Examples: The waist watcher product range includes salad dressings, receipt books, kitchen utensils, etc.

Business Rules: Text field

Class Name: TradeItemDescriptionInformation

Item Name: subBrand

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes
Type: AN
Size: ..35

Definition: Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand.

Examples:

Business Rules: Text field

Class Name: TradeItemDescriptionInformation

Item Name: tradeItemFormDescription

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..35

Definition: 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.

Examples: "tablet", "powder", "gel", "shredded", "liquid", "granules"

Business Rules: Optional field that can be used to further describe a trade item's benefit delivery method. Free form text. (See examples)

Class Name: TradeItemDescriptionInformation

Item Name: tradeItemGroupIdentificationCode

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..20

Definition: A code assigned by the supplier or manufacturer to logically group trade item independently from the Global trade item Classification.

Examples: Code representing a group of GTINs for all 501 Blue Jeans sizes and colors

123=

GTIN1 501 Blue/38

GTIN2 501 Blue/40

GTIN3 501 Black/38

GTIN4 501 Black/40

Business Rules: Manufacturer assigned. This code is typically assigned to multiple GTINs.

Class Name: TradeItemDescriptionInformation

Item Name: tradeItemGroupIdentificationDescription

Core/Extension: E
Global Local Status: G
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Text Description
Size: ..35

Definition: The text description of the value represented by the trade itemGroupIDCode

Examples: "501 Blue Jeans", represent all sized and colors of this trade item

Business Rules: 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".

Class Name: TradeItemDescriptionInformation

Item Name: variant

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: TextDescription
Size: ..35

Definition: 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 flavor, fragrance, taste.

Examples: Examples: Bananna, Strawberry, Lemon Scented.

Business Rules: This is different from the Global EAN.UCC 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 from the attached table. See Section 4.4 of the - Implementation Considerations and Concerns for more details.

3.5 Trading Partner Neutral Trade Item Information

Class Name: BarCodeTypeList

Item Name: barCodeType

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: AN
Size: 35

Definition: The type of bar code or codes, which are visible on a trade item.

Examples: RSS Expanded Stacked

Business Rules: Multiple values allowed. Use enumerated BarCode Type List in Trading Partner Neutral Trade Item Information Class Diagram

Class Name: BrandOwnerOfTradeItem

Item Name: brandOwner

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: PartyIdentification

Size: ..35

Definition: 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.

Examples: GLN, DUNS_PLUS_FOUR

Business Rules: 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.

Class Name: BrandOwnerOfTradeItem

Item Name: nameOfBrandOwner

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: AN

Size: ..35

Definition: Name of the party who owns the brand of the trade item.

Examples: Manufacturer of branded trade item - Can also be distributor or retailer that licenses a brand name to various private label manufacturers.

Business Rules: Mandatory when brandOwner Party identification is provided

Class Name: ManufacturerOfTradeItem

Item Name: manufacturer

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes
Type: PartyIdentification
Size: ..35

Definition: GLN (or AlternatePartyIdentification) identifying the manufacturer of a trade item. May or may not be the brand owner, could be a contract manufacturer. GLN (or AlternatePartyIdentification) identifying manufacturer of a trade item: this is repeatable field.

Examples: Brand owner A uses contract manufacturers B and C to produce trade item D. This field would provide a GLN (or AlternatePartyIdentification) for manufacturers B and or C

Business Rules:

Class Name: ManufacturerOfTradeItem

Item Name: nameOfManufacturer

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes
Type: AN
Size: ..35

Definition: Descriptive name of the manufacturer of the trade item.

Examples:

Business Rules: 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. This is a repeatable field.

Class Name: MaterialSafetyData

Item Name: materialSafetyDataSheetNumber

Core/Extension: E

Global Local Status: G

M/O/D: Dependent on MaterialSafetyData

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: ..20

Definition: Manufacturer's identification number for the material safety data sheet for a trade item.

Examples: "4711", "ag34784", "zruifk"

Business Rules: 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".

Class Name: MaterialSafetyData

Item Name: materialSafetyDataSheet-→this boolean question is answered by application of class.

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indicates whether there exists a material safety data sheet for the trade item. This is a data sheet with the most important characteristics, protected measures and regulations to be adhered to

when handling this trade item. It is relevant above all for dangerous substances.

Examples:

Business Rules: Boolean Y/N

Information required when dangerousGoodsIndicator equals Y.

Repeatable per dangerousGoodsRegulation code.

Class Name: OrganicTradeItemCharacteristics

Item Name: organicClaimAgency

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..35

Definition: A governing body that creates and maintain standards related to organic products./Brules: only registered values may be used. See implementation section 4.8 for reference to code list. It's a repeatable field.

Examples:

Business Rules:

ClassName: OrganicTradeItemCharacteristics

Item Name: organicTradeItemCode

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..35

Definition: Used to indicate the organic status of a trade item or of one or more of its components.

Examples: See code list

Business Rules: Approved values are :

- 01 100% organic
- 02 Organic
- 03 Made with Organic Ingredients
- 04 Some Organic Ingredients
- 05 Not Organic
- 06 Unknown

Class Name: PackagingMarking

Item Name: isBarcodeOnThePackage

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indication if the trade item is physically bar-coded with the primary trade item identification number. This is a y/n (Boolean) where Y equals trade item is bar-coded.

Examples:

Business Rules: Boolean Y/N; Y= bar-coded N= not bar-coded

Technical Note: This Boolean question is answered by the application of class "Bar Code Type List". If the Bar Code Type List class (telling which barcodes are on the package) exists, then there is a barcode on the package. The attribute is derived from the Bar Code Type List and is not in the model.

Class Name: PackagingMarking

Item Name: isPackagingMarkedAsRecyclable

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean
Size: 1

Definition: The package of this GTIN is marked to indicate that it is recyclable.

Examples: Aluminum can marked as recyclable

Business Rules: Boolean field Y/N = marked recyclable, N = not marked recyclable. Applies to recyclable packaging with or without deposit.

Class Name: PackagingMarking

Item Name: isPackagingMarkedReturnable

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: trade item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned.

Examples:

Business Rules: Boolean Y/N; Y= marked returnable, N= not returnable. Attribute applies to returnable packaging with or without deposit.

Class Name: PackagingMarking

Item Name: isPackagingMarkedWithExpirationDate

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: Indicates if the packaging of the trade item has a freshness date, sell by date, or use by date stamped on or imprinted. This is a y/n (Boolean) where y equals packaging of the trade item has a freshness date stamped on or imprinted

Examples: Use by date - batteries; sell by date - milk

Business Rules: Boolean Y/N Y = marked with date N= not marked with date

Class Name: PackagingMarking

Item Name: isPackagingMarkedWithGreenDot

Core/Extension: E

Global Local Status: L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Trade item packaging marked with green point indicator. Law in several European countries mandates the green point indicator. This is a yes/no (Boolean) where yes equals marked with green point indicator.

Examples:

Business Rules: Boolean Y/N, Y = marked with the green dot Legal requirement in limited number of countries. See: ProEurope s.p.r.l Av de Tervuren 35 Etterbeck- B 1040 Brussels. Countries concerned as of Nov 01: AT,BE,CZ,FR,DE,HU,IE,LT,LU,NO,PT,ES,SE

Class Name: PackagingMarking

Item Name: isPackagingMarkedWithIngredients

Core/Extension: E

Global Local Status: L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: 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.

Examples:

Business Rules: 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.

Class Name: PackagingMaterial

Item Name: packagingMaterialCode

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Char

Size: ..3

Definition: Code source needs to be defined. Currently a European Union table of code lists exists for this requirement. The code list required to identify the packaging material of the trade item.

Examples: "GL" (glass) "AL" (Aluminum)

Business Rules: Can be repeated for multi-material packaging and linked to packaging weight.

Class Name: PackagingMaterial

Item Name: packagingMaterialCodeListMaintenanceAgency

Core/Extension: E

Global Local Status: G/L

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN
Size: ..35

Definition: Agency needs to be defined. The agency or agencies controlling the packaging code lists of each country. Mandatory if packaging material code is populated.

Examples:

Business Rules: Dependent on field packagingMaterialCode

Class Name: PackagingMaterial

Item Name: packagingMaterialCompositionQuantity

Core/Extension: E
Global Local Status: G/L
M/O/D: D
Multiple Values Allowed :Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Measurement
Size: ..3

Definition: The quantity of the packaging of the trade item. Can be weight, volume or surface, can vary by country.

Examples: "15 grm", Value, amount, eaches, etc.

Business Rules: Can be repeated for multi-material packaging and must be associated with a valid ISO language code from the attached table. Has to be associated with valid UOM. See Section 4.6 of the Implementation Considerations and Concerns for more details.

Class Name: PackagingMaterial

Item Name: packagingMaterialDescription

Core/Extension: E
Global Local Status: G/L
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Text Description
Size: ..35

Definition: The system generated text description equivalent of the packaging material code.

Examples: "Glass" "Aluminum"

Business Rules: 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 from the attached table. Dependent on the field packagingMaterialCode See Section 4.4 of the Implementation Considerations and Concerns for more detail.

Class Name: PackagingMaterial

Item Name: packagingTermsAndConditions

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 3

Definition: Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable.

Examples: Codes to be defined. See Section 4.8

Business Rules: List of authorized values based on EANCOM 7073, X12 DE102 and X12 DE399.

Class Name: PackagingType

Item Name: packagingTypeCode

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Char

Size: 3

Definition: The code identifying the type of package used as a container of the trade item.

Examples: Codes to be defined. See code list for possible values (packagingTypeDescription).

Business Rules: List of authorized code values based on UN-ECE 21 Recommendations. Code list can be found in Implementatio Section 4.8
Can be repeated.

Class Name: PackagingType

Item Name: packagingTypeDescription

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: ..35

Definition: System generated text description of the type of packaging used for the trade item. For example, box or carton.

Examples: "Box", "Bottle"

Business Rules: List of authorized text description values based on UN-ECE 21 Recommendations - EANCOM 7065. Can be repeated. System generated field.

Class Name: PriceOnTradeItem

Item Name: priceOnPackIndicator→this boolean question is answered by application of class.

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider. This is a y/n (Boolean) where y equals pricing on the trade item. If marked yes, then the retailPriceOnTradeItem must also be given.

Examples: -

Business Rules: Boolean Y/N where Y = there is a retail price on the trade item; N = not pre-priced

Class Name: PriceOnTradeItem

Item Name: retailPriceOnTradeItem

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Amount

Size: 17..4

Definition: The retail price as marked on the trade item package. This field is dependent on a value of "yes" for field priceOnPackIndicator.

Examples: "USD 1.00", "EUR 36", "USD 17.45"

Business Rules: As monetary amount field, this data element must be associated with a valid unit of measure. See implementation notes for complete table. GTIN allocation rules state that price is not a relevant criteria for changing a GTIN except when the price is printed as a part of the trade item's packaging.

Becomes mandatory when priceOnPackIndicator = "Y". In this case, the priceOnPack becomes Global (can not vary per Target Market).

See Section 4.5 of Implementation Considerations and Concerns for more details.

Class Name: PrivateInformation

Item Name: isTradeItemInformationPrivate

Core/Extension: E

Global Local Status: G

M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes
Type: Boolean
Size: 1

Definition: Indicator to qualify whether master data is publicly available to any inquirer or is restricted to specific private user. This is a y/n (Boolean) where y equals non-public. If yes, then must have associated PARTY ID for whom the information is intended.

Examples: Consumer unit A is public. Display configuration B, which contains public consumer unit A, is marked non-public, as it was built for retailer C. Pallet GTIN D, which is made up of Display B, is also marked non-public, only available to retailer C.

Business Rules: Trade item hierarchy level impact - if GTIN is marked non-public, all higher trade item hierarchy levels are non-public. Lower trade item hierarchy levels can still be public. This Boolean question is answered by application of class Private Information.

Class Name: PrivateInformation

Item Name: partyReceivingPrivateData

Core/Extension: E
Global Local Status: G
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Dependent
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes*
Type: PartyIdentification
Size: ..35

Definition: Unique location number identifying the party who is allowed access to the information by the data owner.

Examples: Refer to the following websites for specific directions on how to construct global location numbers - www.uc-council.org or www.ean-int.org

Business Rules: Repeatable field. Required if isTradeItemInformationPrivate = yes

Class Name: TradeItemColorDescription

Item Name: colorCodeListAgency

Core/Extension: E
Global Local Status: G
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..3

Definition: The parties controlling the color code lists. Dependent on color code value.

Examples: "PMS", "RAL", "TGA", "91"

Business Rules: If color code is indicated, colorCodeListAgency is required. Sector specific extension.

Class Name: TradeItemColorDescription

Item Name: colorCodeValue

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: .. 20

Definition: The code list required to identify the color of the trade item. No ISO standards exist. Each industry needs to determine which code agency is will use.

Examples:

Business Rules: 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.

Class Name: TradeItemColorDescription

Item Name: colorDescription

Core/Extension: E
Global Local Status: G

M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Text Description
Size: ..70

Definition: Free text description of the color of the trade item.

Examples: "Dark burgundy"

Business Rules: Free from text. As 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. See Sectionn 4.4 of the Implementation Considerations and Concerns for more details. Sector specific extension.

Class Name: TradeItemCountryOfOrigin

Item Name: countryOfOrigin

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: N
Size: 3

Definition: 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 may or may not be presented on the trade item label.

Examples: "124" = Canada, "840" United States

Business Rules: 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.

Class Name: TradeItemCoupon

Item Name: couponFamilyCode

Core/Extension: E
Global Local Status: L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: N
Size: 3

Definition: 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.

Examples: -

Business Rules: It only applies to the consumer unit.

Class Name: TradeItemDateInformation

Item Name: canceledDate

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: Communicates cancelation of the launch 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.

Examples: "2002-11-20"

Business Rules: Use ISO 8601 date format CCYY-MM-DD

Class Name: TradeItemDateInformation

Item Name: consumerAvailabilityDateTime

Core/Extension: E
Global Local Status: G/L

M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: DateTime
Size: 15

Definition: The first date/time that the buyer is allowed to sell the trade item to consumers. Usually related to a specific geography. ISO 8601 date format CCYY-MM-DDTHH:MM:SS.

Examples: "2002-02-05T17:00:00" February 5th 2002 5:00:00pm

Business Rules: 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.

Class Name: TradeItemDateInformation

Item Name: discontinuedDate

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: 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).

Examples: "2002-02-05"

Business Rules: ISO 8601 date format CCYY-MM-DD

Class Name: TradeItemDateInformation

Item Name: effectiveDate

Core/Extension: E
Global Local Status: G/L
M/O/D: M

Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: 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.

Examples: "2002-02-05" February 5th 2002

Business Rules: 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

Class Name: TradeItemDateInformation

Item Name: endAvailabilityDateTime

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: N/T.P.Dependent
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: DateTime
Size: 15

Definition: The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services.

Examples: "2002-02-05T17:00:00" February 5th 2002 5:00:00pm

Business Rules: 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. Date format is CCYY-MM-DDTHH:MM:SS.

Class Name: TradeItemDateInformation

Item Name: lastChangeDateTime

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: DateTime
Size: 15

Definition: 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.

Examples: "2002-02-05T17:00:00" = February 5th 2002 5:00:00pm

Business Rules: System generated by the home data pool. Date format defined in ISO 8601- CCYY-MM-DDTHH:MM:SS

Class Name: TradeItemDateInformation

Item Name: publicationDate

Core/Extension: E
Global Local Status: G/L
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: N/T.P.Dependent
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: A date on which all static data associated with the trade item becomes available for viewing and synchronization.

Examples: "2002-02-05" February 5th 2002

Business Rules: 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.

Class Name: TradeItemDateInformation

Item Name: startAvailabilityDateTime

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: N/T.P.Dependent

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: DateTime

Size: 15

Definition: 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.

Examples: "2002-02-05T17:00:00" February 5th 2002 5:00:00pm

Business Rules: If the trade item is public only one date (CCYY-MM-DDTHH:MM:SS) is valid per GTIN, GLN, TM combination. If Item is private there can be more than 1 value per TM. Needs to be earlier than "end availability date" This date indicates when the trade item can first be ordered by the buyer from the information provider. This date can be trading partner dependent if the trade item or service is defined as private. It is trading partner neutral if the trade item/service is public. It does not indicate when this trade item becomes available to the end consumer (see first sale date) There is only one start availability date per GTIN/GLN/TM combination. Date format is ISO8601 – CCYY-MM-DDTHH:MM:SS.

Class Name: TradeItemHandlingInformation

Item Name: handlingInstructionsCode

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: TextDescription

Size: 5

Definition: Defines the information and processes needed to safely handle the trade item. Handling instructions is composed of both text and a language code. The language for text is specified using the two digit ISO 639-1988 list, for example, English is EN and French is FR.

Examples:

"DNF" – Do Not Freeze

"FTD" – Frost danger

"HS" – Heat sensitive

"HWC" – Handle with care

Business Rules: Repeatable values are accepted. See Section 4.4 of the Implementation Considerations and Concerns for more details.

Class Name: TradeItemHandlingInformation

Item Name: minimumTradeItemLifespanFromTimeOfArrival

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P Neutral & T.P.Dependent

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: N

Size: ..4

Definition: 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.

Examples: "35"

Business Rules: 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.

Class Name: TradeItemHandlingInformation

Item Name: stackingFactor

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: No

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: ..6

Definition: A factor that determines the maximum stacking for the product. Indicates the number of levels the product may be stacked.

Examples: Factor of "2" = trade item is stackable 2 high

Business Rules: 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.

Class Name: TradeItemHandlingInformation

Item Name: stackingWeightMaximum

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Measurement

Size: ..7

Definition: 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.

Examples: "500 KGM"

Business Rules: Used in conjunction with unit of measure. See Section 4.6 of Implementation Considerations and Concerns.

Class Name: TradeItemHazardousInformation

Item Name: classOfDangerousGoods

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 4

Definition: Dangerous goods classification of the trade item. There are 9 danger classes, some classes are further subdivided into subclasses. "Class" number explains in general terms the nature and properties of the goods and serves to classify them together in terms of their most significant risk.

Examples: Class "4.2": Substances liable to spontaneous combustion.
Class "6.1": Toxic substances

Business Rules: Information required when dangerousGoodsIndicator equals Y. Subsidiary risks given by repeating attribute value. Repeatable per dangerousGoodsRegulation code. Refer to UNECE code list. Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsAMarginNumber

Core/Extension: E

Global Local Status: L

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: ..30

Definition: Information, whether for the base trade item or further packaging trade item a dangerous goods a-margin number does exist in the European dangerous goods agreements (and in the respective national dangerous goods legislation), thus facilitations for the transport of defined limited quantity by road or rail are possible or not. If they are possible, they must be indicated, whether they are used by the data supplier.

Examples: "not possible"

Business Rules: Information required when dangerousGoodsIndicator equals Y.

Repeatable per dangerousGoodsRegulation code.

List of authorized values :

- not possible
- possible (but not used)
- used (by the data supplier)

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsHazardousCode

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 10

Definition: Dangerous goods hazard ID number, which must be applied to the vehicle, when transporting this trade item (dangerous good) by road or rail, to inform the police, the fire brigade and others in case of an accident about the kind of danger caused by the cargo.

Examples: -

Business Rules: Information required when dangerousGoodsIndicator equals Y. Repeatable per dangerousGoodsRegulation code. Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsIndicator—This boolean question is answered by the application of the class.

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indication, whether the trade item and/or at least one of its packaging components because of its properties - according to the respective national or international legislation for transport by road, rail, river, sea or air (e.g. the European dangerous goods agreements (ADR/RID) for transport by road and rail) - must be classified as dangerous good, and thus is subject to the respective regulations.

Examples:

Business Rules: Boolean Y/N

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Technical Note: This Boolean question is answered by the application of class "TradeItemHazardousInformation".

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsPackingGroup

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 3

Definition: Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.

Examples: Group I : Great danger - Packaging meeting criteria to pack hazardous materials with great danger.

Business Rules: Information required when dangerousGoodsIndicator equals Y. Repeatable per dangerousGoodsRegulation code.

<http://www.unece.org/trade/untidid/d99b/tred/tred8339.htm>

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsRegulationCode

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: 3

Definition: Code indicating the classification system(s) of dangerous goods and/or the Agency(ies) responsible for it.

Examples: "ADR" European agreement on the international carriage of dangerous goods on roads.

Business Rules: Various systems (ADR, RID, US49, IATA, etc.) exist and are used for hazard classification and identification.

Information required when dangerousGoodsIndicator equals Y.

Repeatable field

<http://www.unece.org/trade/untdid/d99b/tred/tred8273.htm>

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsShippingName

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: AN

Size: ..200

Definition: Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names.

Examples: "Flammable Liquid"

Business Rules: Information required when dangerousGoodsIndicator equals Y. Repeatable per dangerousGoodsRegulation code.

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHazardousInformation

Item Name: dangerousGoodsTechnicalName

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: LongTextDescription
Size: .200

Definition: Chemical term of the trade item, listed by name and allowed in the substance list of GGVS (Dangerous Goods Ordinance for Roads) or GGVE (Dangerous Goods Ordinance for Rail). This is composed of both text and a language code. The language for text is specified using the two-digit ISO 639 list.

Examples: "TRINITROCHLORO-BENZENE (PICRYL CHLORIDE), WETTED"

Business Rules: Information required when dangerousGoodsIndicator equals Y. The technical names are listed in the order that they contribute to the danger (main hazard, not necessarily the highest concentration). Repeatable per dangerousGoodsRegulation code. Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling). See Section 4.4 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemHazardousInformation

Item Name: flashPointTemperature

Core/Extension: E
Global Local Status: G
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: 3

Definition: The lowest temperature at which a substance gives off a sufficient vapor to support combustion. This uses a measurement consisting of a unit of measure and value.

Examples: -

Business Rules: Information required when dangerousGoodsIndicator equals Y.
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).

See Section 4.6 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemHazardousInformation

Item Name: unitedNationsDangerousGoodsNumber

Core/Extension: E

Global Local Status: G

M/O/D: D

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: 4

Definition: The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number

Examples: UN "1155" ETHYLENEGLYCOLDIETHYLETHER

Business Rules: Information required when dangerousGoodsIndicator equals Y.

Repeatable per dangerousGoodsRegulation code.

<http://www.unece.org/trans/danger/publi/adr/adr2001/English/>

Hazardous attributes relate to supply chain handling (e.g., transport, storage, handling).

Class Name: TradeItemHierarchy

Item Name: quantityOfCompleteLayersContainedInATradeItem

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Mixed Mod, Pallet, Display/
Shipper, Case, Pack

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.

Examples:

Business Rules: Only applies to logistic units (e.g. pallet, case, etc)

Class Name: TradeItemHierarchy

Item Name: quantityOfLayersPerPallet

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or retailer preferences.

Examples:

Business Rules: 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.

Class Name: TradeItemHierarchy

Item Name: quantityOfTradeItemsContainedInACompleteLayer

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Mixed Mod, Pallet,
Display/Shipper, Case, Pack

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit.

Examples:

Business Rules: Only applies to logistic units (e.g. pallet, case, etc)

Class Name: TradeItemHierarchy

Item Name: quantityOfTradeItemsPerPallet

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Pallet, Mixed Mod

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: 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.

Examples:

Business Rules: 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.

Class Name: TradeItemHierarchy

Item Name: quantityOfTradeItemsPerPalletLayer

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Pallet, MixedMod

Common value to all product hierarchy: No

Type: N

Size: 6

Definition: The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or retailer preferences.

Examples:

Business Rules: 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.

Class Name: TradeItemHierarchy

Item Name: quantityOfInnerPack

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: N
Size: ..3

Definition: Indicates the number of non-coded physical groupings (innerpacks) of next lower level trade items within the current GTIN level.

Examples: Case of 12 bottles of shampoo contains two non-coded plastic wrapped bundles each with six bottles. Value = "2"

Business Rules: 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

Class Name: TradeItemHierarchy

Item Name: quantityOfNextLevelTradeItemWithinInnerPack

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: N
Size: ..3

Definition: Indicates the number of next lower level trade items contained within the physical non-coded grouping (innerpack)

Examples: Case of 12 bottles of shampoo contains two non-coded plastic wrapped bundles each with six bottles. Value = "6"

Business Rules: 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

Class Name: TradeItemMarking

Item Name: hasBatchNumber

Core/Extension: E
Global Local Status: L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: 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.

Examples:

Business Rules: Local legal requirement (E.g. Austria). Relevant only for certain industries.

Class Name: TradeItemMarking

Item Name: isNonSoldTradeItemReturnable

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.

Examples:

Business Rules: This attribute applies to certain industries, and applies to return of salable goods. This indicator identifies the general rule, and is not transaction based.

Class Name: TradeItemMarking

Item Name: isTradeItemMarkedAsRecyclable

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Trade item has a recyclable indication marked on it, This may be a symbol from one of many regional agencies.

Examples: Battery recycling logo placed on the battery, Refrigerators, Heat Pumps and Air Conditioners symbol, Paper marked as recyclable symbol, Plastic types marked as recyclable symbols.

Business Rules: This is a yes/no (Boolean) where yes equals trade item marked with ISO markings.

Class Name: TradeItemMeasurements

Item Name: depth

Core/Extension: E

Global Local Status: G

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Measurement

Size: 5.3

Definition: The measurement from front to back of the trade item.

Examples: "5 MMT"

Business Rules: Measurements are relative to how the customer normally views the trade item. Orientation guidelines to be determined by PTRG within CR 02-000102 by Needs to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: diameter

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Definition: The measurement of the diameter of the trade item at its largest point.

Examples: 165 "mmt", value - mmt, diameter

Business Rules: Has to be associated with valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: drainedWeight

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Definition: The weight of the trade item when drained of its liquid.

Examples: 225 "grm", Jar of pickles in vinegar. Value, ounces, pounds, etc.

Business Rules: Applies to defined bricks of GCI Global trade item Classification - Mainly food trade item. Has to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: genericIngredient

Core/Extension: E
Global Local Status: L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..35

Definition: Used, for pharmaceutical trade item to describe 1 or many generic ingredients within the trade item.

Examples: "Paracetamol", "Codeine"

Business Rules: Sector specific and local extension. Can be repeated.

Class Name: TradeItemMeasurements

Item Name: genericIngredientStrength

Core/Extension: E
Global Local Status: L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: ..35

Definition: Used, for pharmaceutical trade item to define the strength of each generic ingredient in a trade item or unit volume of the trade item.

Examples:

Business Rules: Sector specific and local extension.
Repeated per generic Substance
Needs to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more details on UoM.

Class Name: TradeItemMeasurements

Item Name: grossWeight

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Definition: 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.

Examples: "200 grm", value - total pounds, total grams, etc.

Business Rules: Has to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: height

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Business Rules: Measurements are relative to how the customer normally views the trade item. Orientation guidelines to be determined by PTRG within CR 02-000102 by Needs to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Definition: The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade itemHeight will include the height of the pallet itself.

Examples: "60 CMT"

Class Name: TradeItemMeasurements

Item Name: ingredientStrength

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..18

Definition: Used for pharmaceutical trade item to define the strength of each ingredient in a trade item or unit volume of the trade item.

Examples: "100mg" for a tablet, "2%" for a liquid or ointment, where 100 and 2 represent the value, and mg and % are the units of measure

Business Rules: Sector specific extension pharmaceutical trade item. Can be locally mandatory based on each country's laws. Has to be associated with a valid unitBasisOfMeasure

Class Name: TradeItemMeasurements

Item Name: isNetContentDeclarationIndicated

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: 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

Examples:

Business Rules: For a product without an on-pack net content declaration this field should be indicated as YES, weight should be communicated at the trade unit level.

Class Name: TradeItemMeasurements

Item Name: netContent

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: 10.4

Definition: The amount of the trade item contained by a package, as claimed on the label. (See examples)

Examples: Evian Water 750ml - net content = "750 MLT" ; 20 count pack of diapers, net content = "20 ea."

Business Rules: In case of multi-pack, indicates 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. In case of variable quantity trade items, indicates the average quantity. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: netWeight

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Mixed Mod, Pallet, Display /Shipper, Case Pack
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Definition: Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.

Examples: "11.5 kgm" value - pounds, grams, etc.

Business Rules: For consumer unit, Net Content replaces Net Weight (can then be weight, size, volume). Has to be associated with a valid

UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemMeasurements

Item Name: pegHorizontal

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: .. 7

Definition: Used to indicate the horizontal distance from the edge of the trade item to the center of the hole into which the peg is inserted when the trade item is displayed on a pegboard.

Examples: "2 INH"

Business Rules: Required if the trade item is displayed on a peg board. Has to be associated with a valid UOM. See Section 4.6 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemMeasurements

Item Name: pegVertical

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: . 7

Definition: Used to indicate the vertical distance from the edge of the trade item to the center of the hole into which the peg is inserted when the trade item is displayed on a pegboard. The hole into which the peg is inserted when the trade item is displayed on a pegboard. The measurement is always taken from the top edge of the trade item to the hole.

Examples: "2 INH"

Business Rules: Required if the trade item is displayed on a peg board. Has to be associated with a valid UOM. See Section 4.6 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemMeasurements

Item Name: width

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Measurement
Size: 5.3

Definition: The measurement from left to right of the trade item.

Examples: "10 INH"

Business Rules: Measurements are relative to how the customer normally views the trade item. Orientation guidelines to be determined by PTRG within CR 02-000102 by Needs to be associated with a valid UoM. See Section 4.6 of the Implementation Considerations and Concerns for more detail on UoM.

Class Name: TradeItemOrderInformation

Item Name: orderingLeadTime

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: MeasurementValue
Size: ..3

Definition: The normal delivery time measured from receipt of order by the seller until trade item is shipped by the seller.

Examples: 12 hours, 48 hours, 4 days.

Business Rules: 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. See Implementation Considerations and Concerns for more details of UoM in section 4.6.

Class Name: TradeItemOrderInformation

Item Name: orderQuantityMaximum

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Dependent

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: ..9

Definition: 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.

Examples: - “when a manufacturer chooses to control manufacturing costs by limiting the amount of product that a customer can buy per order – example – Geneva watchmaker only allows orders of 10 watches per customer per order so as to control their production for quality control reasons, and to ensure that all of his customers receive some product.”

Business Rules: 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.

Class Name: TradeItemOrderInformation

Item Name: orderQuantityMinimum

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Dependent

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: ..9

Definition: 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.

Examples: -

Business Rules: 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.

Class Name: TradeItemOrderInformation

Item Name: orderQuantityMultiple

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: N

Size: ..9

Definition: 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.

Examples:100, 120, 140, 200. A number or a count.

Business Rules: 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, eg 100, 120, 140 200 etc.

Class Name: TradeItemOrderInformation

Item Name: orderSizingFactor

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Measurement

Size: ..9

Definition: A trade item specification other than gross, net weight, or cubic feet for a line trade item or a transaction, used for order sizing and pricing purposes. For example, factors may be used to cube a truck, reflecting different weights, and dimensions of trade item.

Examples:

Business Rules: Assumes a standard size truck or lorry

Class Name: Trade Item Pallet Information

Item Name: palletTypeCode

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Pallet

Common value to all product hierarchy: No

Type: Char

Size: 3

Definition: 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.

Examples: "200" = pallet ISO 0, 1/2 Euro pallet.

Business Rules: 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.

Class Name: TradeItemPalletInformation

Item Name: palletTermsAndConditions

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Pallet

Common value to all product hierarchy: No

Type: AN

Size: 2

Definition: Indicates if the pallet in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not reusable).

Examples: "7E" for non-returnable pallet

Business Rules: Used in conjunction with a pallet GTIN. List of authorized values based on EANCOM 7073, X12 DE102 and X12 DE399.

Class Name: TradeItemPriceDateInformation

Item Name: cataloguePrice –represented by UML role

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Amount

Size: 13.4

Definition: The gross price before application of any discounts, allowances, charges, taxes, etcetera. The value represented is the price that the manufacturer expects to receive for the trade item or service from any buyer prior to any relationship specific negotiations (E.g. a public catalogue population). Synonym: List price

Examples: "USD 49.50", "EUR 350,00

Business Rules: CatalogPrice would reside within the Item master data. The Core Price model would contain class and price along with the class price type. These will be one of the numerated values for class price type in Core Price model.

Implementation Note: This attribute is represented by UML role. There is a misalignment with the Price BRD. This attribute will match to what the Price BRD contains in the next release. See Section 4.5 of Implementation Considerations and Concerns for details.

Class Name: TradeItemPriceDateInformation

Item Name: effectiveStartDate

Core/Extension: E

Global Local Status: G/L

M/O/D: D

Multiple Values Allowed: N

Neutral/Relationship Dependant: N/T.P.Dependent*

Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: 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.

Examples: -(2002-11-15

Business Rules: Format defined in ISO8601

Class Name: TradeItemPriceDateInformation

Item Name: effectiveEndDate

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: N/T.P.Dependent*
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Date
Size: 8

Definition: 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 effective until further notice. Examples of invalid dates include 99/99/9999, 00/00/0000, blank, etc. These invalid end dates should not be communicated. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, last order date, last ship date, and last arrival date.

Examples: 2005-12-31

Business Rules: PriceEndDate not required at time of initial price amount. Format defined by ISO8601

Class Name: TradeItemPriceDateInformation

Item Name: suggestedRetailPrice →represented by UML role

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Amount
Size: 17.4

Definition: 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. May be used as a guideline by the retailer to establish their actual retail price.

Examples: "value" USD1.90", "EUR 36"

Business Rules: 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. ISO 4217 format three digit alpha code. When the suggestedRetailPrice is provided for information (and not on the package : priceOnPackIndicator = 'N') , it can be different per Target Market and becomes G / L. See Section 4.5 of Implementation Considerations and Concerns for more details.

Class Name: TradeItemSizeDescription

Item Name: descriptiveSize

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: Yes
Type: Description
Size: ..35

Definition: An alphanumeric size factor the brand owner wishes to communicate to the consumer. IE Jumbo, Capri, Full Length, Maxi

Examples: "Maxi", "Jumbo", "Mini", "7", "10 1/2", "small",

Business Rules: A descriptive size other than net content as labeled on consumer unit. Must be associated with a valid ISO language code from the attached table. See Section 4.4 of the Implementation Considerations and Concerns for more details.

Class Name: TradeItemSizeDescription

Item Name: sizeCodeListAgency

Core/Extension: E
Global Local Status: G
M/O/D: D
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..3

Definition: The parties controlling the size code list. Dependent on size code value.

Examples: "25" EDITEX.

Business Rules: If size code is indicated, sizeCodeListAgency is required. Sector specific extension.

Class Name: TradeItemSizeDescription

Item Name: sizeCodeValue

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..20

Definition: 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)

Examples: Used in industries such as shoes, apparel, home linens. "12 1/2 Med". Shoe, pants which are "32W by 36" I, Oval Table Cover that is "36x"

Business Rules:
Sector specific extension. Refer to Attribute code list in Implementation section.

Class Name: TradeItemTemperatureInformation

Item Name: deliveryToDistributionCenterTemperatureMaximum

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: ..3

Definition: Permitted maximum temperature of the trade item on transport to the distribution center.

Examples: "+6 C" or degrees F, value

Business Rules: 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. See Section 4.6 of the Implementation Considerations and Concerns for more details of UoM.

Class Name: TradeItemTemperatureInformation

Item Name: deliveryToDistributionCenterTemperatureMinimum

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: ..3

Definition: Permitted minimum temperature of the trade item on transport to the distribution center.

Examples: "+2 C" or degrees F, value

Business Rules: 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. See Section 4.6 of

the Implementation Considerations and Concerns for more details of UoM.

Class Name: TradeItemTemperatureInformation

Item Name: deliveryToMarketTemperatureMaximum

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: ..3

Definition: Permitted maximum temperature of the trade item during delivery to market.

Examples: "+7 C" or degrees F, value

Business Rules: 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. See Section 4.6 of the Implementation Considerations and Concerns for more details of UoM.

Class Name: TradeItemTemperatureInformation

Item Name: deliveryToMarketTemperatureMinimum

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Measurement
Size: ..3

Definition: Permitted minimum temperature of the trade item during delivery to market to market.

Examples: "+3 C" or degrees F, value

Business Rules: 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. See Section 4.6 of the Implementation Considerations and Concerns for more details of UoM.

Class Name: TradeItemTemperatureInformation

Item Name: storageHandlingTemperatureMaximum

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: Measurement

Size: (-/+)3

Definition: The maximum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.

Examples: "+15 F" or degrees C, value

Business Rules: When no other information is provided (temperatures to market or/and distribution center), 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. See Section 4.6 of the Implementation Considerations and Concerns for more details on UoM.

Class Name: TradeItemTemperatureInformation

Item Name: storageHandlingTemperatureMinimum

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: Yes

Type: Measurement

Size: (-/+)3

Definition: The minimum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.

Examples: "-30 C" or degrees F, value

Business Rules: When no other information is provided (temperatures to market or/and distribution center), 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. See Section 4.6 of the Implementation Considerations and Concerns for more details of UoM.

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemABaseUnit

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: An indicator identifying the trade item as the base unit level of the trade item hierarchy. This is y/n (Boolean) where y indicates the trade item is a base unit.

Examples: A bundle pack of product is composed of packages without GTINs that cannot be sold individually. This bundle pack would then be a base item. If that same bundle pack contained individual packages that have a GTIN + could be individually sold it would not

Business Rules: Boolean Y/N

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemAConsumerUnit

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: Identifies whether the current hierarchy level of a trade item is intended for a ultimate consumption. For retail, this trade item will be

scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf planning and for front end POS databases. This value reflects the intention of the Information Provider which may not necessarily be the intention of the retailer.

Examples: A multi-pack of paper towels and the individual paper towels contained in the multi-pack are both identified as a consumer unit.

Business Rules: Boolean Y/N

There can be more than one consumer unit in one hierarchy

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemADespatchUnit

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Dependent

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: An indicator identifying that the information provider considers the trade item as a dispatch (shipping) unit. This may be Trading Partner 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..

Examples: -

Business Rules: Boolean Y/N

There can be more than one logistic unit in one hierarchy

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemAnInvoiceUnit

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Dependent

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Boolean
Size: 1

Definition: An indicator identifying that the information provider will include this trade item on their billing or invoice. This may be Trading Partner 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.

Examples: -

Business Rules: Boolean Y/N
There can be more than one invoicing unit in one hierarchy

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemAnOrderableUnit

Core/Extension: E
Global Local Status: G/L
M/O/D: M
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Dependent
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: 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 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

Examples:

Business Rules: Boolean Y/N
There can be more than one ordering unit in one hierarchy

Class Name: TradeItemUnitIndicator

Item Name: isTradeItemAVariableUnit

Core/Extension: E
Global Local Status: G
M/O/D: M
Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Boolean
Size: 1

Definition: 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.

Examples: Wheel of Cheese: The weight is about 25 kilograms, but it can be 24 kilogram or 27 kilogram.

Business Rules: Boolean Y/N - Yes=variable, No=fixed. Applies to EAN.UCC bricks: Meat, Cheese, Fruits, Dairy trade item.

3.6 Trade Item Classification

Class Name: ClassificationCategory

Item Name: additionalClassificationAgencyName

Core/Extension: E
Global Local Status: G
M/O/D: Dependent on additionalClassificationCategoryCode
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: 35

Definition: Text name of the additional external classification agency whose schema is being provided in addition to the Global EAN.UCC schema.

Examples:

Business Rules: Required if additional classification schema field are populated.

Class Name: ClassificationCategory

Item Name: additionalClassificationCategoryCode

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..15

Definition: Category code based on alternate classification schema chosen in addition to EAN.UCC classification schema.

Examples: "34001030"

Business Rules: The additional classification bundle (code/agency+descriptions) can be repeated for each classification agency used.

Class Name: ClassificationCategory

ItemName: additionalClassificationCategoryDescription

Core/Extension: E
Global Local Status: G
M/O/D: Dependent on additionalClassificationCategoryCode
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..70

Definition: Description of the additional classification bundle (code/agency + description).

Examples: "Special Breads"

Business Rules: The description of the additional classification bundle (code/agency + description) can be repeated for each classification agency used. Required if ClassificationCategoryCode field is populated.

Class Name: TradeItemClassification

Item Name: classificationCategoryCode

Core/Extension: C
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: N

Size: 10

Definition: Global EAN.UCC classification category code. Unique, permanent 10-digit key.

Examples: "0010000276"

Business Rules: The system will assign Bricks on a first-approved, first-served basis. Mandatory within the Data Sync process.

Class Name: EANUCCTradeItemClassification

Item Name: classificationCategoryDefinition

Core/Extension: C

Global Local Status: G

M/O/D: Dependent on classificationCategoryCode

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..700

Definition: System generated explanation of Global EAN.UCC category.

Examples: distilled alcoholic grape drink without carbonation

Business Rules: This field is mandatory when classificationCategoryCode is populated.

Class Name: EANUCCTradeItemClassification

Item Name: classificationCategoryName

Core/Extension: C

Global Local Status: G

M/O/D: Dependent on classificationCategoryCode

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..105

Definition: The system generated text equivalent of the Global EAN.UCC classification category code.

Examples: wine-still

Business Rules: Being system generated, if ClassificationCategoryCode is populated, this field becomes mandatory

Class Name: EANUCCTradeItemClassification

Item Name: eANUCCClassificationAttributeTypeCode

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: N

Size: 8

Definition: Unique 8 digit code which identifies the Global EAN.UCC classification attribute.

Examples: "20000212" wine-still variant

Business Rules: If used, the first attribute, which is the primary attribute, is mandatory. The remaining 6 are optional. This field is repeatable seven times. Mandatory in the Data Sync process.

Class Name: EANUCCTradeItemClassification

Item Name: eANUCCClassificationAttributeTypeName

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..105

Definition: The system generated text equivalent of the Global EAN.UCC classification attribute code.

Examples: "grape variety " 20000081

Business Rules: Being system generated, if ClassificationAttributeTypeCode is populated, this field becomes mandatory.

Class Name: EANUCCTradeItemClassification

Item Name: eANUCCClassificationAttributeTypeDefinition

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: AN
Size: ..700*

Definition: System generated explanation of Global EAN.UCC attribute.

Examples:

Business Rules:

*Waiting for the final publication of the EAN.UCC classification.

Class Name: EANUCCTradeItemClassificationValue

Item Name: eANUCCClassificationAttributeValueCode

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: N
Size: 8

Definition: Unique 8 digit code which identifies the Global EAN.UCC classification attribute value.

Examples: See Implementation notes for full illustration.

Business Rules: One valid value may be submitted per GTIN. Once an attribute code is selected, it is mandatory to submit an associated value code.

Class Name: EANUCCTradeItemClassificationValue

Item Name: eANUCCClassificationAttributeValueName

Core/Extension: E

Global Local Status: G

M/O/D: O

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: AN

Size: ..105

Definition: The system generated text equivalent of the Global EAN.UCC classification attribute value code.

Examples: See Implementation notes for full illustration.

Business Rules:

3.7 Trade Item Tax Information

Class Name: TaxAgency

Item Name: taxAgencyCode

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: AN
Size: ..3

Definition: Identifies the agency responsible for the tax code list

Examples: X1 = BE, ICODIF/EAN Belgium - Luxembourg

Business Rules:

Class Name: TaxAgency

Item Name: taxTypeCode

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: AN
Size: 14

Definition: Identification of the type of duty or tax or fee applicable to the trade item.

Examples: "3001000002138"

Business Rules: This will vary by target market. Repeatable field inside each possible target market.

Class Name: TaxAgency

Item Name: taxTypeDescription

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: AN
Size: 35

Definition: Automatically generated text description of tax type code.

Examples: "Taxes sure les supports audio"

Business Rules: -

Class Name: TradeItemTaxRate

Item Name: taxRate

Core/Extension: E
Global Local Status: G/L
M/O/D: O
Multiple Values Allowed: Y
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: N
Size: 3.2

Definition: The current tax or duty rate percentage applicable to the trade item.

Examples: -

Business Rules: This will vary by target market. taxRate and taxAmount are mutually exclusive for each tax type. Percentage is implicit

Class Name: TradeItemTaxAmount

Item Name: taxAmount

Core/Extension: E

Global Local Status: G/L

M/O/D: O

Multiple Values Allowed: Y

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: All

Common value to all product hierarchy: No

Type: Amount

Size: 13.4

Definition: The current tax or duty or fee amount applicable to the trade item.

Examples: Value – “ USD 1.06”, "EUR 36"

Business Rules: As monetary amount field, this data element is must be associated with a valid unit of measure. See Section 4.5 of the Implementation Considerations and Concerns for more details of UoM. taxRate and taxAmount are mutually exclusive for each tax type.

3.8 FMCG (Fast Moving Consumer Goods) – INDUSTRY SPECIFIC

Class Name: FMCGTradeItemMarking

Item Name: isIngredientIrradiated

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indicates if radiation has been applied to a trade item's ingredient.

Examples:

Business Rules: Should only be submitted if a claim is made on the trade item.

Class Name: FMCGTradeItemMarking

Item Name: isRawMaterialIrradiated

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indicates if radiation has been applied to a trade item's raw material.

Examples:

Business Rules: Should only be submitted if a claim is made on the trade item. This field is trade item specific, indicating that radium has been applied to the trade item.

Class Name: FMCGTradetItemMarking

Item Name: isTradetItemGeneticallyModified

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Used to indicate whether trade item contains genetically modified contents.

Examples: See code list

Business Rules: A Boolean field must be size 1.

Class Name: FMCGTradetItemMarking

Item Name: isTradetItemIrradiated

Core/Extension: E

Global Local Status: G/L

M/O/D: M

Multiple Values Allowed: N

Neutral/Relationship Dependant: T.P.Neutral

Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: Boolean

Size: 1

Definition: Indicates if radiation has been applied to an trade item.

Examples:

Business Rules: Should only be submitted if a claim is made on the trade item. This field is trade item specific, indicating that radium has been applied to the trade item.

Class Name: FMCGTradetItemMeasurements

Item Name: degreeOfOriginalWort

Core/Extension: E

Global Local Status: L

M/O/D: O

Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: All
Common value to all product hierarchy: No
Type: Char
Size: 3

Definition: Specification of the degrees of original wort.

Examples: The beer degree for the allocation of different original wort proportions in different kinds of beer to the respective beer tax group and beer tax rate.

Business Rules: Sector specific extension (alcoholic beverages) Local legal requirement (Austria)

Class Name: FMCGTradetItemMeasurements

Item Name: fatPercentageInDryMatter

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each
Common value to all product hierarchy: No
Type: Percentage
Size: 2.2

Definition: The amount of fat contained in the base product expressed in percentage.

Examples: '10'

Business Rules: Mainly concerns cheese and dairy trade items. Percentage is implicit.

Class Name: FMCGTradetItemMeasurements

Item Name: percentageOfAlcoholByVolume

Core/Extension: E
Global Local Status: G
M/O/D: O
Multiple Values Allowed: N
Neutral/Relationship Dependant: T.P.Neutral
Product Hierarchy Reference Level: Each

Common value to all product hierarchy: No

Type: N

Size: 2.2

Definition: Percentage of alcohol contained in the base unit trade item.

Examples: '12'

Business Rules: Sector specific extension. Percentage is implicit

4.0 IMPLEMENTATION CONSIDERATIONS AND CONCERNS

This section includes Best Practices and Examples explaining how to best use this data model. It also includes implementation guides for a variety of the more complicated issues encountered when designing the standards outlined by this document. It also provides an overall review of the basic precepts used when developing this data model.

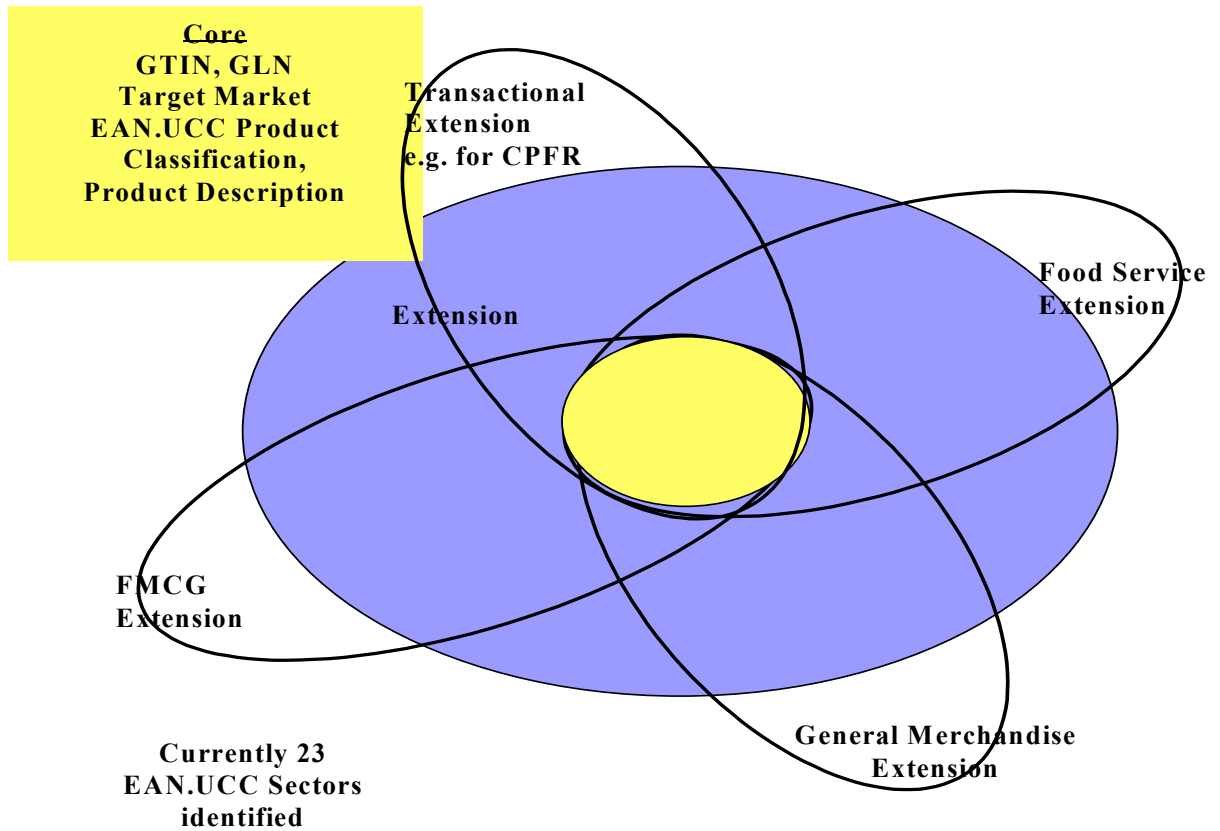
Basic precepts of this data model:

- a) This model was designed with the intent of providing all industries with a generic template with which to build their own data model. EAN.UCC currently has identified 23 different industries which participate in its standards development and application processes. While it is recognized that each industry has different needs, this model attempts to provide a flexible data model framework, which covers what is common across industries and upon which these industries can append their own unique needs.
- b) The data model assumes a base level of business transactions and agreements between buyer and seller, which then lead to an exchange of information deemed to be necessary for conducting normal business transactions. This set of information is herein called a data dictionary.
- c) This model was developed with the understanding that there are three different types of attributes, as type relates to industry:
 - a. Core – these attributes are absolutely necessary to facilitate the accurate sharing of data sets between parties of all industries. The combination of these five attributes guarantees the uniqueness of that data set. The definition and use of these attributes is common to all industries. In this data model, the five core attributes are: GTIN (or alternate item identification) of the trade item, the GLN of the information provider (or alternate party identification), the target market in which this data set is valid, a EAN.UCC external classification value, and a system generated product description (see below)
Product identification as a process is mandatory. Either a GTIN or an alternate item identification must be used. Party identification as a process is mandatory. Either GLN or an alternate party identification must be used.

- b. Extension – these attributes are shared among several industries. The definition for each attribute is agreed to by all industries. The determination of whether these attributes are mandatory or optional is made based on the business need of each industry. It is important to share the responsibility for maintenance of these attributes and to maintain a common definition across industries since the buyer receiving data may receive it from multiple industries. Where industries use an attribute in different ways, a new attribute must be developed. (e.g. size) In addition to mandatory/optional, when industries build their own data models from this generic base, they may also choose to change the other conditions attached to each attribute as it is relevant to their industry.
- c. Industry specific extension – these attributes are such that they are only relevant to one industry. The definition of these values is determined by this industry. If a buyer or seller does not deal in this trade item class, it is not expected that they build attributes related to this industry into their data model. (e.g. degree of wort is specifically relevant to the beer industry)

Application notes – The complete data model for an industry is made up of a combination of these three types of attributes. It is expected that attributes may be added or deleted from the model in the future. Also, as more industries become involved in the EAN.UCC GSMP process, it is expected that more industry specific extensions will be created.

In most cases, the agreement reached by the two parties that will be communicating data will include only a portion of the data model. This is because this model is designed to capture all possible business needs of the industry. In many cases, the buyer will only require a subset of these attributes in order to conduct business in the manner that they are accustomed.



Key data attributes

This data model works off a basic principle. The entire set of data attributes assigned to a GTIN may vary depending on who provides the information, and in which target market the data is relevant.

Within the global data synchronization environment, the combination of three key attributes, GLN of information provider, GTIN of the trade item, and the Target Market identifies a unique set of values for the trade items' attributes. This combination can also affect which attributes are communicated. The values of attributes can vary for a GTIN when GLN of information provider or Target market are changed.

Example – “orderingLeadTime” may vary depending on target market. (US delivery within 3 days, delivery within Belgium is less than 1 day)

Example – “cataloguePrice” may vary depending on the information provider (catalogue price equals \$1.00 from manufacturer, but is \$1.05 in the information set communicated by a distributor)

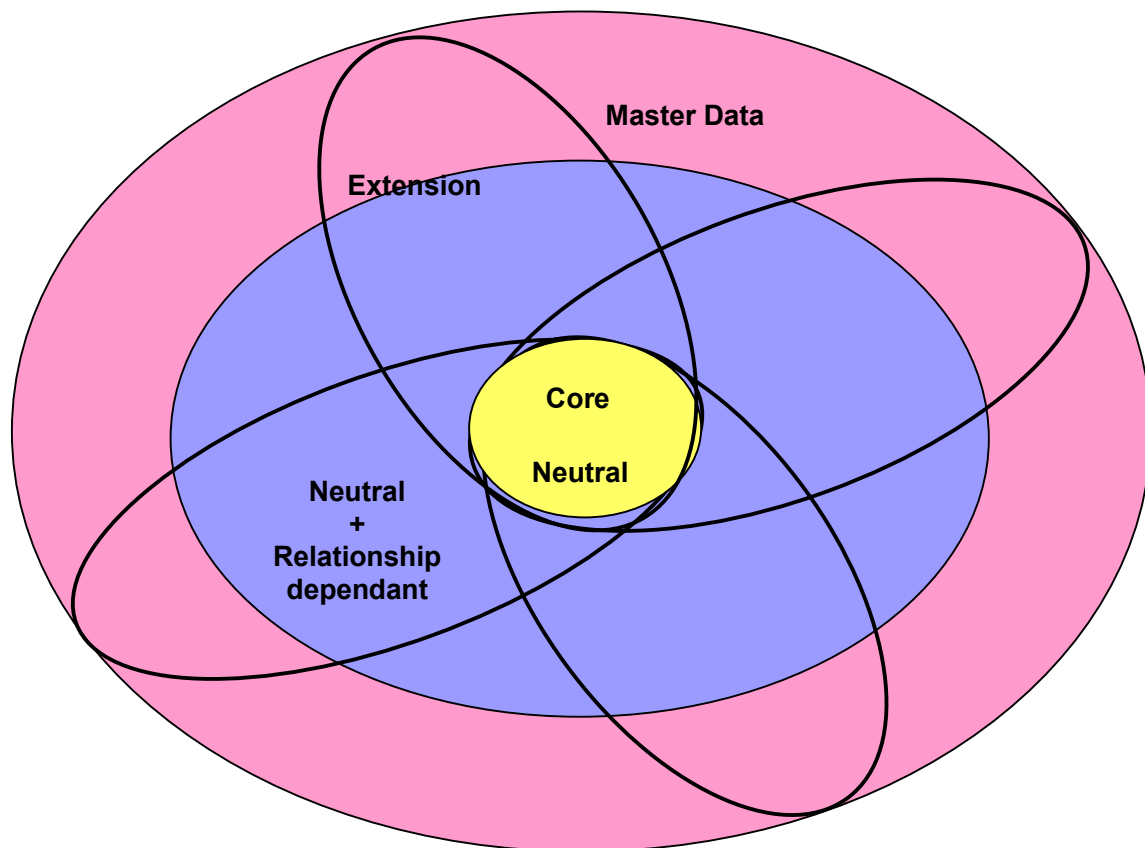
All variation must be compliant with GTIN allocation rules per the General EAN.UCC Specifications. Variations that do not comply will require a new GTIN.

As stated above, in addition possible variations in values for the same attribute, the list of attributes communicated may change based on these three keys. Changes in the information provider can change the list of attributes associated with a GTIN.

Example – Information provider A chooses to provide values for 50 attributes for a GTIN, while information provider B chooses to provide values for 100, seeing this as a competitive advantage.

The relevant target market can also affect the selection of attributes. Certain target markets will have legal requirements for some attributes, while other target markets will not.

Example – “dangerous goods” attributes are currently required in certain countries. Parties that do not operate in these countries will not be required to communicate these attributes to their customers.



4.1 Product hierarchy

There has been a long running debate within the EAN.UCC item project team regarding the application of a principle which states that if information about a product hierarchy is to be communicated, it is required that a GTIN be allotted to that level and the information only be attached to that GTIN. At the time this document was being finalized, this debate was still taking place. It is the intent of the Item group to present to the Align Data BRG a paper describing the current industry practices as they relate to hierarchy with the proper industry endorsement and representation .

This model is designed in conjunction with a widely accepted view of product containment hierarchy found in the commercial products industries. Attached is a chart describing the currently accepted definitions and guidelines for this hierarchy

GTIN Hierarchy

Preface

- Eight discreet “levels” of GTIN Hierarchy have been identified.
- “tradeItemUnitDescriptor” has been used as the field to describe the GTIN hierarchy level.
- Implementation with any level of automation will require the programs to map discreetly from each of these GTIN hierarchy layers. Each attribute has the potential for a different meaning depending on which layer it’s attached to. Each attribute may also vary in cardinality or condition depending on the ‘product type name’ of the GTIN.
- The following guidelines have been created, debated, practiced, reviewed, and endorsed by the UCCnet community over the last 3 years. The Guidelines Task Group, represented by over 60 individuals and participating companies has endorsed these Guidelines.
 - **(MX) Mixed Mod:** A “mixed mod” or “display ready pallet” that is not the normal ‘turn’ for ordering. May NOT have any parents. May have children (DS, CA, PK, EA) in multiple instances. Orderable: True / ConsumerUnit: False.
 - **(PL) Pallet:** A pallet of turn product. May NOT have any parents. May have children (DS, CA, PK, EA) in a single instance. Orderable: True or False / ConsumerUnit: False.
 - **(DS) Display / Shipper:** A display, a shipper. May have a “PL” parent. May have (CA or EA) children in multiple instances. Orderable: True / ConsumerUnit: True or False.
 - **(CA) Case:** The standard shipping unit level. May be contained in one or more (PL, MX, or DS). May contain children (PK or EA) in a single instance. Orderable: True or False / Consumable: True or False.
 - **(PK) Pack / Innerpack:** A logistical unit between case and each. This may be a consumable innerpack (i.e. Carton of Cigarettes) or it may be simply a logistical pack (i.e. Dozens of toothbrushes). Multiple instances of a (EA) child are allowed. Multiple instances of (DS or CA) parents are allowed. Orderable: true or False / ConsumerUnit: True or False.
 - **(EA) Each:** The lowest level of the item hierarchy intended or labeled for individual retail sale. May not have any children. May have multiple instances of (PK, CA, DS, PL, or MX) parents. Orderable: True or False / ConsumerUnit: True.
 - **Prepack/Assortment:** Contains multiple components, each of which represents a unique consumer unit item by color and size. Includes “prepacks” and “setpacks.”

- **Prepack:** or standard assortment of trade items, each different item within the prepack will be assigned a GTIN maintaining the one-to-one relationship between trade item/color ID/size ID and GTIN. Each of the component GTINs is scannable at the Point-of-Sale and may or may not be orderable separately outside of the prepack. In addition, a separate, unique GTIN is assigned to each orderable prepack. This GTIN is not scanned by the retailer at the Point-of-Sale. For example, the NRF size code for the orderable prepack GTIN will be assigned in the 90001-91999 range, reserved for prepacks and setpacks. A valid NRF color code will be assigned to the GTIN when all trade items are of the same color in the prepack; otherwise, the NRF color code 999- assorted is assigned. The 90001-91999 size code assignment denotes prepacks whether the prepack is assorted by size only, color only, or both size and color. Different prepacks of trade items are assigned different GTINs when either the component item or quantity contents of the prepacks are different.
- **Setpack:** each different trade item within the setpack will be assigned a GTIN, maintaining the one-to-one relationship between trade item/color ID/size ID and the GTIN. The individual trade item GTIN must be scannable at the Point-of-Sale and may or may not be orderable separately outside the setpack(s). A separate and unique GTIN is assigned to each setpack. This GTIN is also scannable at Point-of-Sale. For example, the NRF size code for the orderable setpack GTIN will be assigned in the 90001-91999 range, reserved for prepacks and setpacks. A valid NRF color code will be assigned to the setpack GTIN when all trade items are of the same color in the setpack, otherwise the NRF color code 999-assorted is assigned. Different setpacks are assigned different GTINs when either the trade item or quantity contents are different.
- **Multipack:** is a group of trade items (the same or different) that are intended to be sold as a single consumer unit at the Point-of-Sale (e.g., a three-pack of men's white T-shirts or a 12-piece set of glassware). A multipack is not intended to be broken apart and sold as individual trade items. A multipack is assigned a GTIN that is different from the GTIN that may be assigned to the individual trade items. Generally components of a multipack are not marked with individual trade item GTINs. Each different multipack of the same trade items (e.g., three-pack socks versus six-pack socks) must have a different GTIN assigned. Each different multipack GTIN must also have its own trade item/color ID/size ID.

Note: The hierarchy levels Pre-pack/Assortment and Multipack are not included in the next table, as the discussions of hierarchy were not finalized.

Product type	Description	Parents	Parents Instance	Children	Children Instance	Orderable	Consumable
(MX) Mixed Module	A “mixed mod” or “display ready pallet” that is not the normal ‘turn’ for ordering	None	N/A	DS, CA, PK, EA	Multiple	True	False
(PL) Pallet	A pallet of turn product	None	N/A	DS, CA, PK, EA	Single	True or False	False
(DS) Display/ Shipper	A display or shipper	PL		CA, EA	Single/ Multiple	True	True or False
(CA) Case	The standard shipping unit level.	PL, MX, DS	Multiple	PK, EA	Single/ Multiple	True or False	True or False
(PK) Pack / Innerpack	A logistical unit between case and each	DS, CA	Multiple	EA	Single/ Multiple	True or False	True or False
(EA) Each	The lowest level of the item hierarchy intended or labeled for individual resale	PK, CA, DS, PL, MX	Multiple	None	N/A	True or False	True

Attributes in the data model are designed such that they can and are used to describe the same value for any product hierarchy level. “Height” for example, means the height of a consumer unit, case or pallet, depending on the product type being described by the GTIN. See Examples in the tables below:

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Simple Product	Description	GTIN	Next Lower Level GTIN	Quantity Next Lower Level GTINs	Quantity of children (number of different GTIN)	Quantity Pack	Quantity in Each
Pallet (PL)	60 cases	00123456 33333c	00123456 22222c	60	1	60	X
Case (CA)	2 of Inner Packs	00123456 22222c	00123456 11111c	2	1	2	X
Inner Pack (PK)	1 Sleeve of 6 bottles (6 in total)	00123456 11111c	X	6	1	6	X
Each (EA)	1 bottle of salad dressing	X	X	X	X	X	1

X= Not applicable

Complex-Banded	Description	GTIN	Next Lower Level GTIN	Quantity Next Lower Level GTIN	Quantity of children (number of different GTIN)	Quantity Pack	Quantity in Each
Pallet (PL)	2 Cases	00123456 66666c	00123456 55555c	2	1	2	X
Case (CA)	4 Inner Packs	00123456 55555c	00123456 44444c	4	1	4	X
Inner Pack (PK)	1 Sleeve of 12 cases	00123456 44444c	00123456 33333c	12	1	12	X
Each (EA)	1 shampoo + 1 Conditioner Banded	00123456 33333c	00123456 22222c 00123456 11111c	1 2	1 2	2	3
Each A	1 Shampoo	00123456 22222c	X	X	X	X	1
Each B	1 Conditioner	00123456 11111c	X	X	X	X	1

X= Not applicable

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	Description	GTIN	Next Lower Level GTI	Quantity of Next Lower Level	Quantity of Children	Net Content
Pallet (PL)	20 Cases	00123456 77777c	00123456 66666c			
Case (CA)	2 Sleeves (24)	00123456 66666c	00123456 55555c			
Inner Pack (PK)	1 Sleeve (12)	00123456 55555c	00123456 44444c			
Inner Pack (PK)	3 Eaches of 4 Pack Cookies Chocolate Cookies Raisin Cookies Vanilla Cookies	00123456 44444c	00123456 33333c 00123456 22222c 00123456 11111c	1 1 1	3	9 ounces 3 count
Each A	4 pack Cookies	00123456 33333c	X	X	X	3 ounces 4 count
Each B	4 pack Chips	00123456 22222c	X	X	X	3 ounces 4 count
Each C	4 pack Fig	00123456 11111c	X	X	X	3 ounces 4 count

X= Not applicable

The next page shows a table which lists all the attributes contained in this data model and notes at which product hierarchy level they are relevant.

Attribute Association by Trade Item Hierarchy Level for Aligning Data

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
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
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
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
isNetContentDeclarationIndicated											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

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Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
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
consumerAvailabilityDateTime											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
dangerousGoodsIndicator	M	N	M	N	M	N	M	N	M	N	M	N
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

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
handlingInstructionsCode											O	N
deliveryToMarketTemperatureMaximum											O	N
deliveryToMarketTemperatureMinimum											O	N
deliveryToDistributionCenterTemperatureMaximum											O	N
deliveryToDistributionCenterTemperatureMinimum											O	N
orderingLeadTime											O	N
palletTypeCode			O	N								
quantityOfTradelItemsPerPallet	O	N	O	N	O	N	O	N	O	N	O	N
quantityOfLayersPerPallet	O	N	O	N	O	N	O	N	O	N	O	N
quantityOfTradelItemsPerPalletLayer	O	N	O	N	O	N	O	N	O	N	O	N
palletTermsAndConditions			O	N								
tradelItemUnitDescriptor	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
tradelItemFormDescription											O	N
productRange											O	N
subBrand											O	Y
functionalName	M	Y	M	Y	M	Y	M	Y	M	Y	M	Y
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
isTradelItemInformationPrivate	M	Y	M	Y	M	Y	M	Y	M	Y	M	Y
priceOnPackIndicator											M	N

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
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
isPackagingMarkedWithExpirationDate											O	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

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
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
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
isPackagingMarkedWithGreenDot											O	N
packagingMaterialCode	O	N	O	N	O	N	O	N	O	N	O	N
packagingMaterialDescription	D	N	D	N	D	N	D	N	D	N	D	N
packagingMaterialCompositionQuantity	D	N	D	N	D	N	D	N	D	N	D	N
isPackagingMarkedWithIngredients											O	N
quantityOfCompleteLayersContainedInATradeItem	O	N	O	N	O	N	O	N	O	N		
quantityOfTradeItemsContainedInACompleteLayer	O	N	O	N	O	N	O	N	O	N		

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
packagingMaterialCodeListMaintenanceAgency	D	A	D	A	D	A	D	A	D	A	D	A
isPackagingMarkedAsRecyclable	M	N	M	N	M	N	M	N	M	N	M	N
materialSafetyDataSheet	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
tradeItemDescription	M	Y	M	Y	M	Y	M	Y	M	Y	M	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
classificationAttributeTypeCode											O	N
classificationAttributeTypeName											O	N
classificationAttributeTypeDefinition											O	N
classificationAttributeValueCode											O	N
classificationAttributeValueName											O	N
additionalClassificationCategoryCode											O	N
additionalClassificationCategoryDescription											O	N
additionalClassificationAgencyName											D	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		
alternateTradeItemIdentification	O	N	O	N	O	N	O	N	O	N	O	N

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(Data Definition)*

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (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
tradeItemGroupIdentificationCode											O	N
tradeItemGroupIdentificationDescription											D	N
replacedTradeItemIdentification	O	N	O	N	O	N	O	N	O	N	O	N
ISBN_NUMBER											O	N
ISSN_NUMBER												
classOfDangerousGoods	D	N	D	N	D	N	D	N	D	N	D	N
packagingTermsAndConditions												
barCodeType												
additionalTradeItemDescription												
totalQuantityOfNextLowerLevelTradeItem	M	N		N	M	N	N	M	M	N		
stackingFactor												

M/O/D Status Key

M=Mandatory
O=Optional
D=Dependent

Common Status Key

Y=Attribute value is the same
N=Attribute value can be different

Item Containment

Refer to Class Diagram for Trade Item in the UML section where item hierarchy is handled.

Item containment provides a method of identifying the contents of a GTIN that is a packaging hierarchy rather than a consumer unit. This can occur multiple times depending upon the number of levels in the hierarchy. **All components of each potential level of packaging must already be defined in order to be used in Item Containment. Each level has to be identified with a product identifier and each level defines the containment (GTIN) of the next level.**

It is recommended that only GTINs be used in Item containment.

4.2 Product Classification

The attribute structure for classification included in this document reflects the learnings from the work that the GCI Product Classification workgroup is conducting at this point in time and applies to the Food, Beverage and Tobacco (grocery) sector. Potential modifications to the codification structure may result in the inclusion in the Data Sync Trade Item model of additional attributes coming from other industry sectors (e.g. General Merchandise). These potential modifications will be considered after the EAN.UCC's final agreement on a global classification schema is announced.

Global EAN.UCC product classification – Examples

At category level:

classificationCategoryCode:
10000222

classificationCategoryName:
Juice Drinks (Perishable)

classificationCategoryDefinition:

“Includes any products that can be described/observed as a perishable non carbonated beverage, that has some fruit or vegetable juice content but contain other ingredients such as water, sugar, colorings and flavorings.

These products have been treated or packaged in such a way as to extend their consumable life.

Includes products that may be described as Nectar, Fruit Drink or Juice Drink and available in single flavors such as carrot, tomato, orange, apple etc or they may be blends of more than one such as orange & apricot, cranberry & raspberry etc.

Excludes products such as Frozen and Shelf Stable Juice Drinks, Juice, Syrups, Juice Concentrate, Flavored Mixers, Mineral Water.”

At attribute type level:

classificationAttributeTypeCode:
20000045

classificationAttributeName:
CONSUMER LIFESTAGE

classificationAttributeTypeDefinition:

"Indicates the broad period or stage (e.g. Adult, Child) in the consumer's life at which the product is considered to be suitable/appropriate for the intended consumer."

At attribute value level:

<u>classificationAttributeValueCode</u>		<u>classificationAttributeValueName</u>
147	→	ADULT
167	→	ALL AGES
245	→	BABY
246	→	BABY & CHILD
644	→	CHILD
105	→	UNCLASSIFIED
106	→	UNIDENTIFIED

N.B.: Only one possible attribute value per attribute type.

4.3 Product Orientation

Change Request (CR) 02-000102 was submitted to the EAN.UCC GSMP process and relates to how to measure the physical dimension of a product. At the July 10, 2002 conference call of the Align BRG, this Change Request was reviewed and the BRG agreed to forward to the Physical Technical Requirements Group (PTRG) for the definition of the physical requirements. This work is being developed by a subgroup of PTRG and will go through ballot cycles, which are estimated to conclude sometime in the first quarter of 2003. The work resulting from PTRG will go to the Align Data BRG which will determine the impact of the output on the Item work.

Product orientation principles developed by the PTRG will affect the following attributes: width, depth, and height.

4.4 Language (Reference Appendix 13 and Appendix 17)

EAN.UCC currently has the following classes related to Language.

Description Class: it contains two attributes, one is language and the other is text.
Text Description Class: it contains one or more Description Classes. It allows for multiple combinations of language and text

Long Description Class: it contains two attributes, one is language and the other is long text.

Long Text Description Class: it contains one or more Long Description Classes. It allows for multiple combinations of language and longtext.

These classes allow users to fill in the language and the text. The language for the text is identified using a two character code from the ISO 639 language code list.

4.5 Currency (Reference Appendix 12)

EAN.UCC currently has two classes related to Monetary Amount. One is 'Amount' and the other is 'MonetaryAmount'.

Monetary Amount allows for multiple currencies and value or Amount.
Amount allows for one currency and value.

4.6 Unit of Measure (Reference Appendix 14)

These classes allow users to fill in the currency ISO Code and the value. The currency for the value is identified using a code from the ISO4217 currency code list.

The following describes how unit of measure is handled in the data model.

EAN.UCC currently has two classes related to measurement. One is 'Measurement class' and the other is 'Measurement Value'.

Measurement allows for multiple Measurement Values.
Measurement Value allows for one Measurement Value.

These classes allow the users to fill in the unit of measure and the float (allows decimal value).

Example: 100 degree Fahrenheit or 38 degree Celsius.

100°F is equal to: Unit Of Measure will be FAH and Float will be 100.00
38°C is equal to: Unit Of Measure will be CEL and Float will be 38.00

There was no need to create another attribute for unit of measure because it is fulfilled by the use of the Measurement class because the Measurement class is reused.

There is multiple and numerous possible unit of measures. The EAN.UCC system refers to the UN/Cefact #20 list for the possible unit of measure. The unit of measure is not broken down into categories of UOM such as "time UOM, Weight UOM, dimensional UOM, or net content UOM. Its a list of all the possible units of measure.

4.7 Product Description

Product Description is one of the four attributes designated as being mandatory (within the Global Data Synchronization process) for uniquely identifying a set of data associated with a GTIN. The product description field which is considered core, "tradeItemDescription" is automatically generated by the model from the four attributes listed below. If an attribute is left blank or not defined, the product description exists only of attributes populated. While two of the four attributes are designated as optional, since they may or may not exist, it is widely recognized that most information providers will seek to provide values for all of these attributes so as to provide a product description that is as accurate as possible. The Product Description attributes replaces the Item Description Long and Medium found in the previous GCI model.

The structure for the product description is:

- Brand..... MANDATORY
- Sub Brand OPTIONAL
- Functional Name MANDATORY
- Variant..... OPTIONAL

Examples:

- ACME Regular Salad Dressing Italian
- ACME Regular Salad Dressing Ranch
- Seven Islands Reduced Cal Salad Dressing Ranch
- Seven Islands Reduced Cal Salad Dressing Italian
- Unbranded Plants Tropical
- Unbranded Plants Lily

For more accurate product description, several new attributes have been added to the model. These are in most cases optional.

- productRange
- brandName
- subBrand
- functionalName (formerly known as Product Name)
- tradeItemFormDescription
- variant
- descriptive Size

Fields were included with the recognition that the great majority of categories have not yet had classification schemas deployed at the time of this document's publication.

4.8 Code Lists

The table below lists all of the attributes whose values are contained in code lists. The Item team created a subgroup to handle the code lists. The work of the subgroup was based on the following:

- Identifying which data elements require a code list
- When maintaining body or agency exists, refer to the body or agency
- When required, define unique list of valid values, using existing lists or documentation (E.g. EANCOM and X12)

The subgroup's objective was to keep the lists as short as possible, removing inconsistent, repeated, unclear or too generic values and also removing information handled through other data elements (E.g., Hazardous related information is handled by specific Des).

The issue of governance and maintenance of these code lists is still being developed. Several of the code lists are maintained by outside agencies such as ISO. Other code lists are unique to this data model, and will need to be maintained by an EAN.UCC entity.

Code List Table

The table enclosed in the following page represents the work of the group at the time this document was released for Align BRG's approval. A separate and more complete Addendum may need to be added at a later time.

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	Code List responsible agency--TBD
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	Code list responsible agency - TBD
TradeItemSizeDescription	sizeCodeListAgency	Code list responsible agency - TBD
TradeItemMeasurements	ingredientStrength	Measure Unit Qualifier-TBD
TradeItemMeasurements	genericIngredientStrength	Measure Unit Qualifier-TBD
TradeItemMarking	hasBatchNumber	Batch Lot Number Indicator Code-TBD

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Class Name	Item Name	Code List
FMCGTradeItemMarking	isTradeItemGeneticallyModified	GeneticModificationIndicator-TBD
FMCGTradeItemMarking	isTradeItemIrradiated	Irradiated Item Code List - TBD
OrganicTradeItemCharacteristics	organicTradeItemCode	Organic Item Code List -TBD
FMCGTradeItemMeasurements	netContent	Measure Unit Qualifier-TBD
TradeItemMeasurements	height	Measure Unit Qualifier-TBD
TradeItemMeasurements	width	Measure Unit Qualifier-TBD
TradeItemMeasurements	depth	Measure Unit Qualifier-TBD
TradeItemMeasurements	grossWeight	Measure Unit Qualifier-TBD
FMCGTradeItemMeasurements	netWeight	Measure Unit Qualifier-TBD
FMCGTradeItemMeasurements	diameter	Measure Unit Qualifier-TBD
FMCGTradeItemMeasurements	drainedWeight	Measure Unit Qualifier-TBD
PackagingType	packagingTypeCode	Type of Packaging Identification - Merger of EANCOM DE7065 & X12 DE103
FMCGTradeItemMeasurements	pegHorizontal	Measure Unit Qualifier-TBD
FMCGTradeItemMeasurements	pegVertical	Measure Unit Qualifier-TBD
PackagingMaterial	packagingMaterialCode	Defined by local agencies
PackagingMaterial	packagingMaterialCompositionQuantity	Measure Unit Qualifier-TBD
PackagingMaterial	packagingTermsAndConditions	Packaging Terms and Conditions - TBD
TradeItemHandlingInformation	stackingWeightMaximum	Measure Unit Qualifier-TBD
TradeItemTemperatureInformation	storageHandlingTemperatureMaximum	Measure Unit Qualifier-TBD
TradeItemTemperatureInformation	storageHandlingTemperatureMinimum	Measure Unit Qualifier-TBD
TradeItemHandlingInformation	handlingInstructionsCode	Handling Instructions - TBD
TradeItemHandlingInformation	minimumTradeItemLifespanFromTimeOfArrival	Unit of Time Period - TBD
TradeItemTemperatureInformation	deliveryToMarketTemperatureMaximum	Measure Unit Qualifier-TBD

*EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)*

Class Name	Item Name	Code List
TradeItemTemperatureInformation	deliveryToMarketTemperatureMinimum	Measure Unit Qualifier-TBD
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMaximum	Measure Unit Qualifier-TBD
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMinimum	Measure Unit Qualifier-TBD
TradeItemOrderInformation	orderingLeadTime	Unit of Time Period - TBD
TradeItemCountryOfOrigin	countryOfOrigin	Country Codes ISO3166-1
TradeItemPalletInformation	palletTypeCode	Type of Packages Identification- Merger of EANCOM DE7065 & X12 DE103
TradeItemPalletInformation	palletTermsAndConditions	Packaging Terms and Conditions - TBD
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	Measure Unit Qualifier-TBD
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

4.9 Glossary of Terms

A complete glossary of terms used in this and other EAN.UCC standards documents is being developed.

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 AlignData BRG.

4.10 Relationship to Global Data Synchronization process

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.

4.11 FMCG Trade Item Identification List

The enumeration list for the FMCGTradeItemIdentificationList class is as follows:

ISBN_NUMBER - Number assigned by the International Standard Book Number Agency.

ISSN_NUMBER - Number assigned by the International Standard Book Number Agency.

LOTTERY_GAME_NUMBER – Lottery Game Number

LOTTERY_PACK__BOOK_NUMBER – Lottery Pack/Book Number

MANUFACTURER_PART_NUMBER - Manufacturer Part Number

NABCA_PRODUCT_CODE - National Alcohol Beverage Control Association Product Code

4.12 Alternate Trade Item Identification List

The enumeration list for the AlternateTradeItemIdentificationList class is as follows. The values are used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.

BUYER_ASSIGNED

INDUSTRY_ASSIGNED

SUPPLIER_ASSIGNED

Reading Class Diagrams

Class Diagram colour coding:

- Red is used to indicate the root class for these business requirements.
- Grey is used to indicate classes that are common to more than one class diagram, supporting the practice and benefits of class re-usability.
- Yellow is used to indicate classes that are specific at this time to Party.
- Green is used to indicate notes.

Notation on Arrows (relationships) in Class Diagrams:

- No notation = Mandatory
- 1 = Mandatory
- 1..n or 1..* = Mandatory and Repeatable
-
- 0..1 = Optional
- 0..n or 0..*= Optional and Repeatable

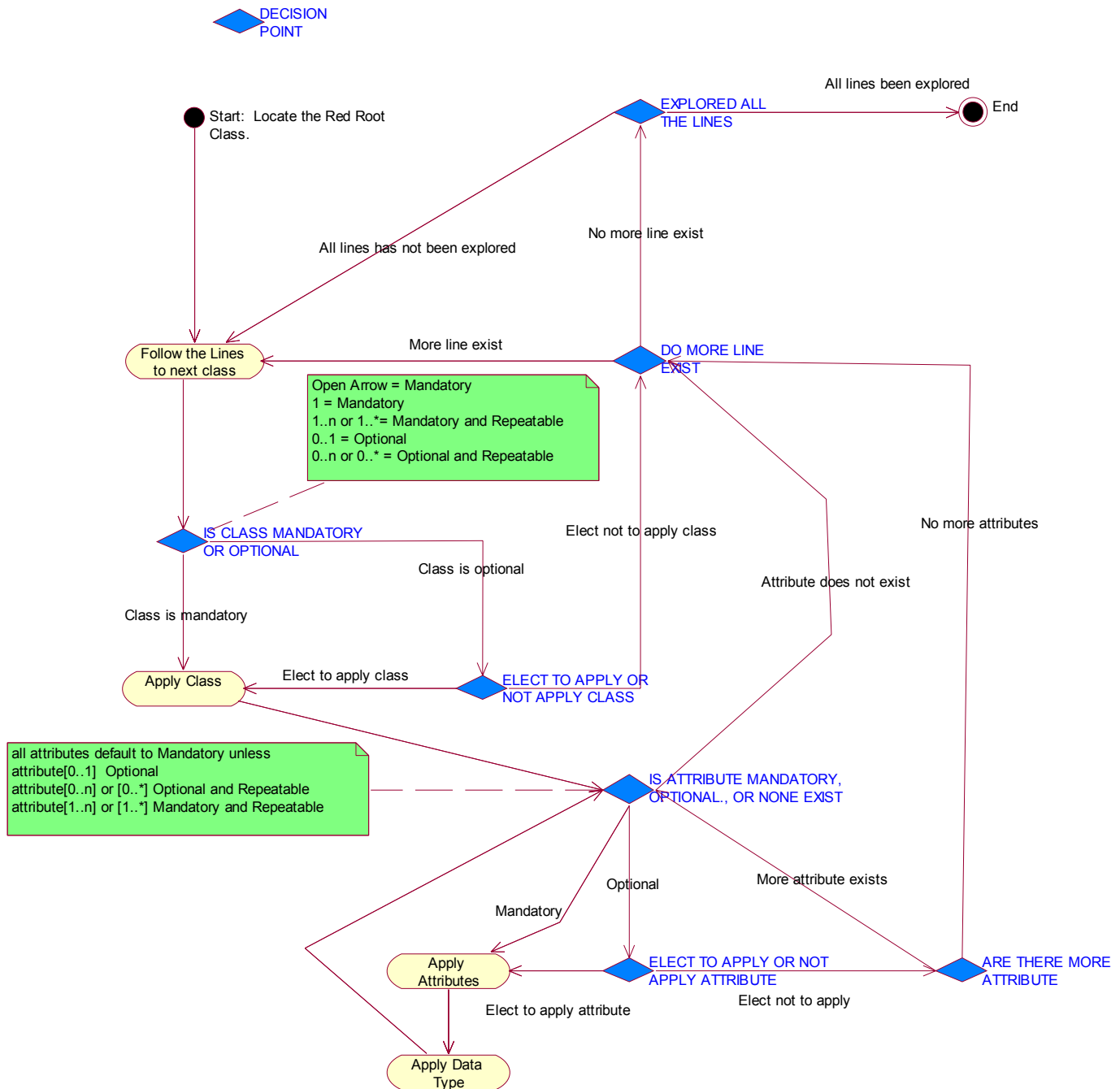
Notation on Attributes in Classes:

- All attributes default to Mandatory unless otherwise noted.
- Attribute[0..1] = Optional
- Attribute[0..n] or [0..*] = Optional and Repeatable
- Attribute[1..n] or [1..*]= Mandatory and Repeatable

Activity diagram to read the class diagram.

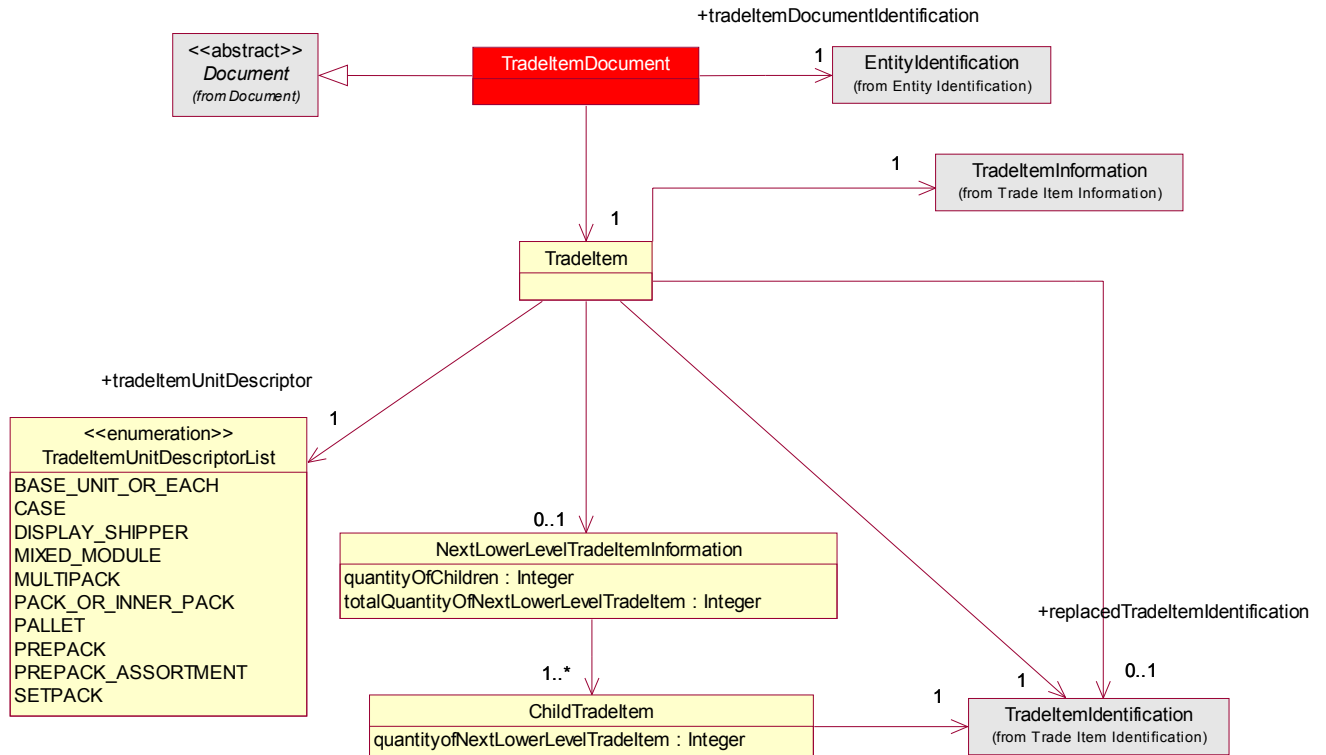
This roadmap will give the instructions on traversing the model. There will be one starting point but there can be multiple routes in your journey. The path taken will create the nested structure.

Instruction to read UML Class Diagrams



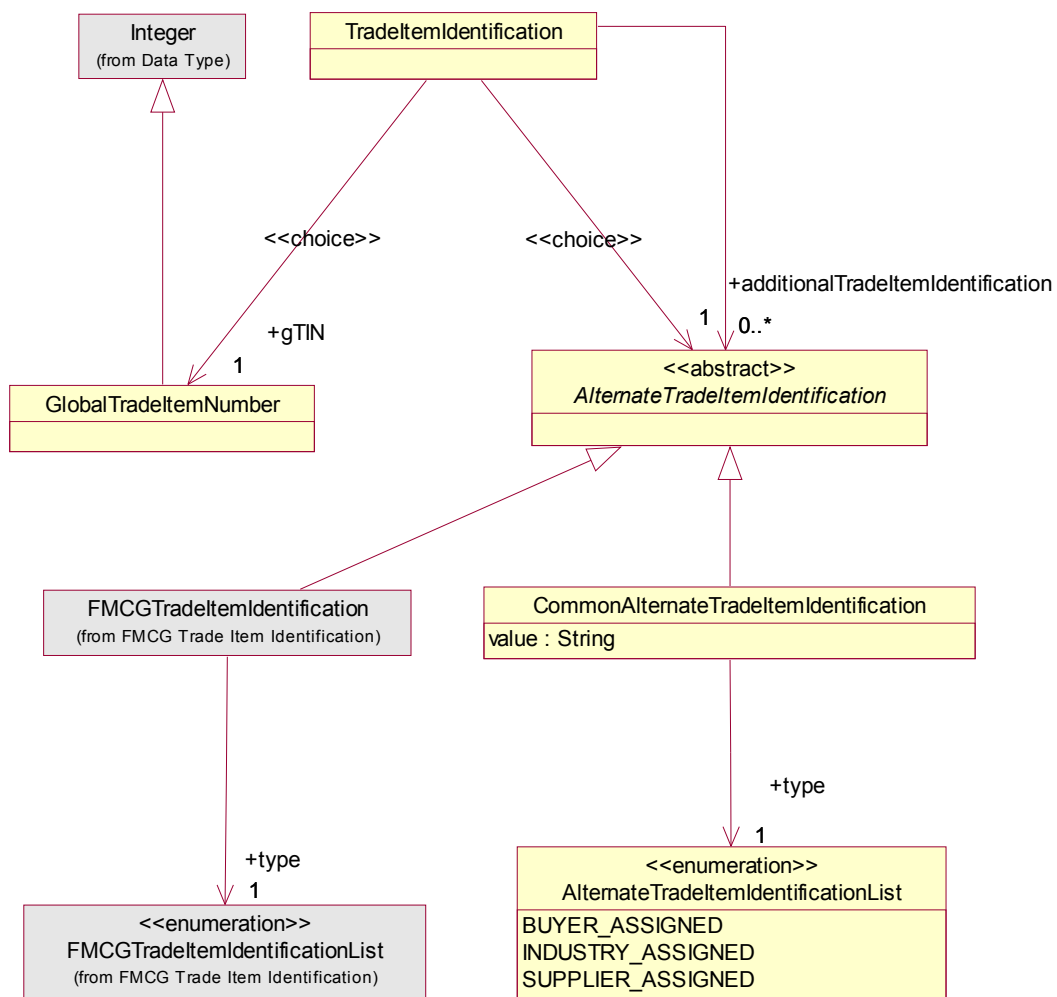
Appendix 1: Class Diagram for Trade Item

Business Process: ALIGN: Trade Item



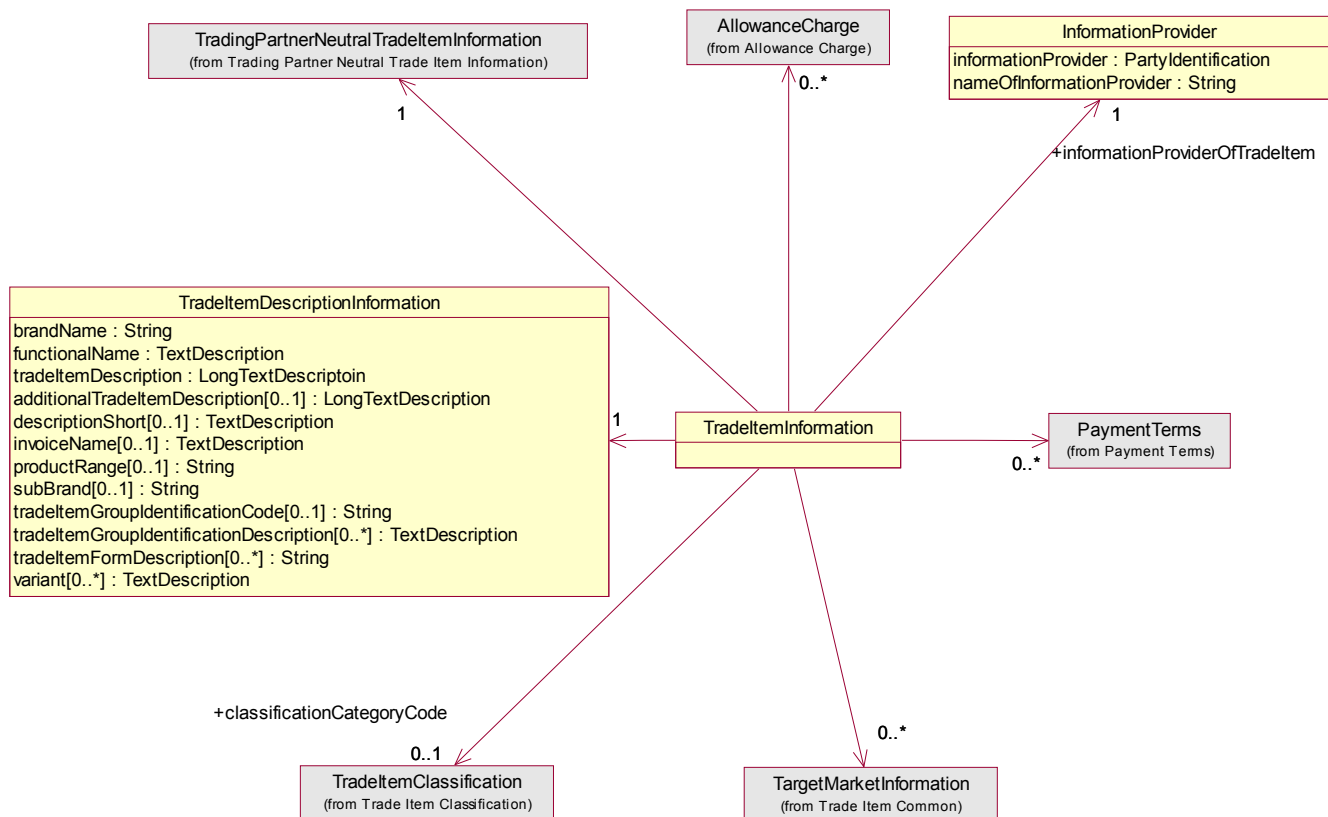
Appendix 2: Class Diagram for Trade Item Identification

Common Library: Common: Identification: Trade Item Identification

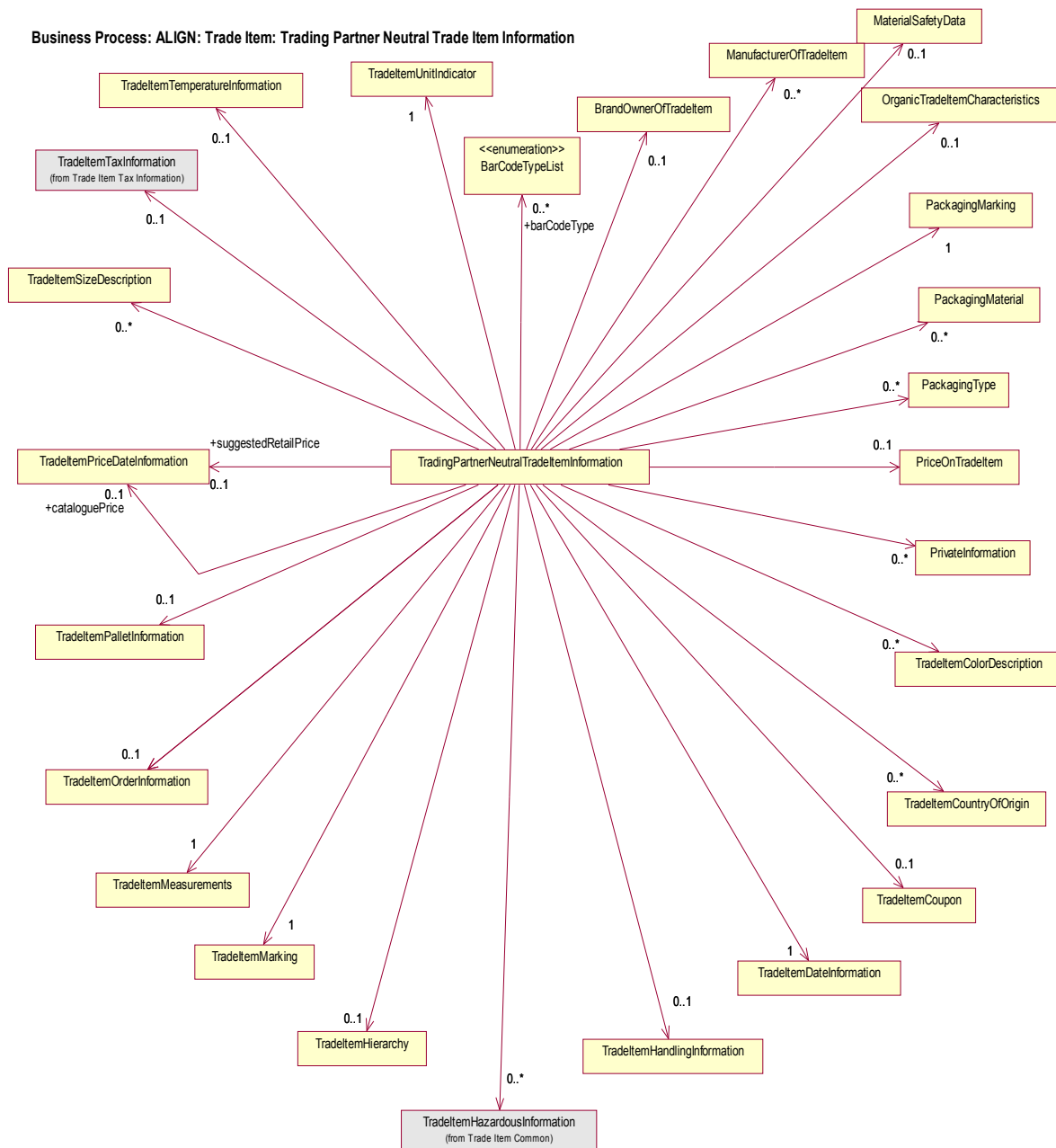


Appendix 3: Class Diagram Trade Item Information

Business Process: ALIGN: Trade Item: Trade Item Information

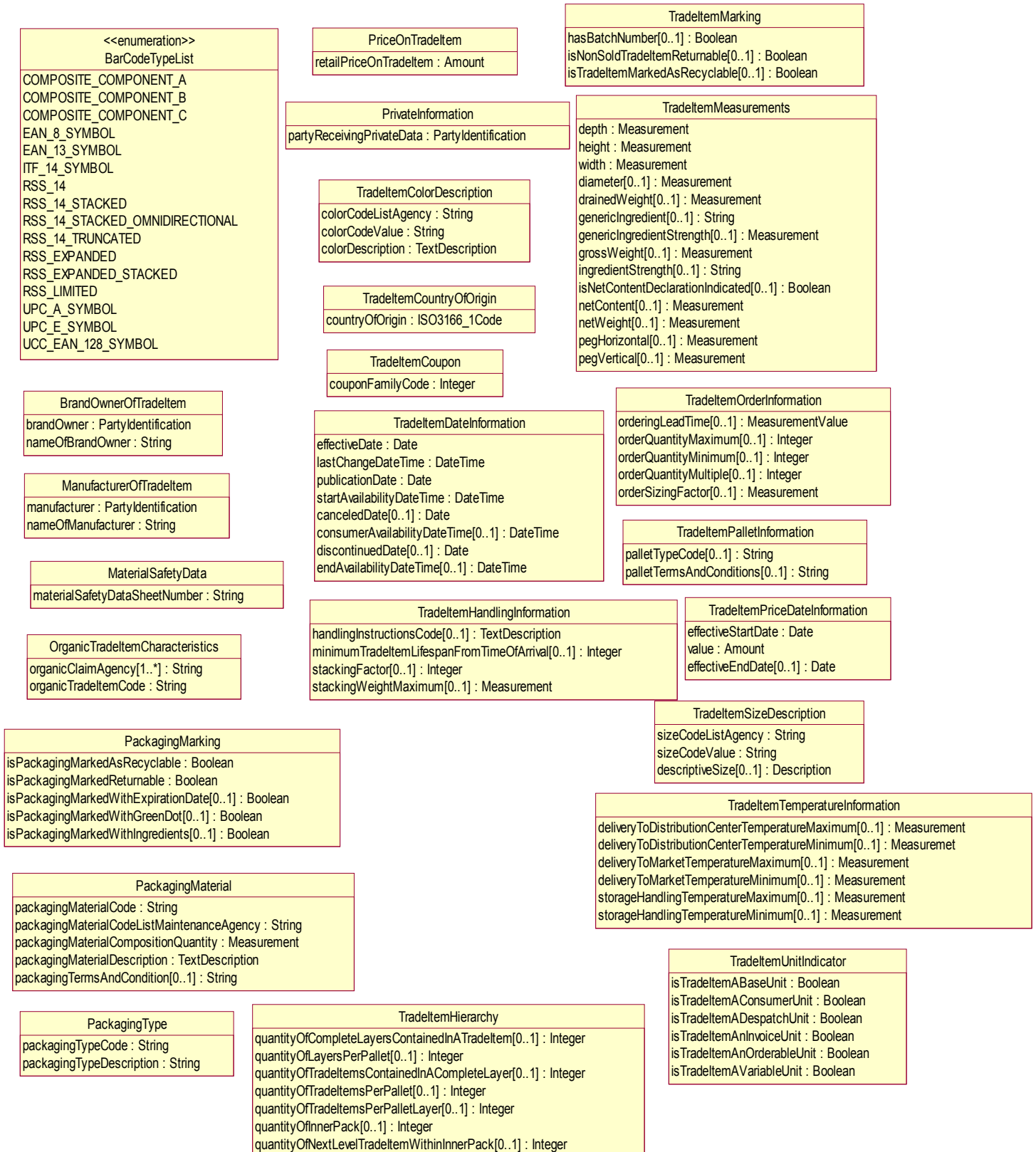


Appendix 4: Class Diagram Trading Partner Neutral Trade Item Information Relationship



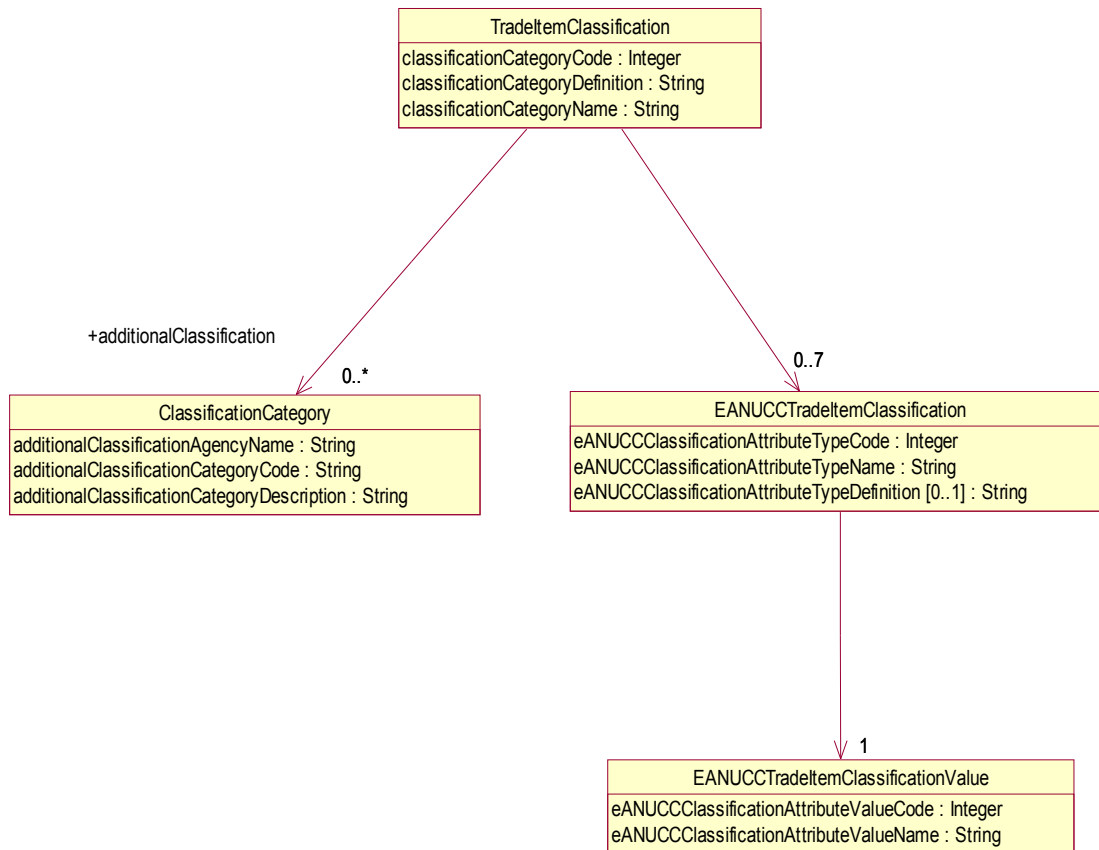
Appendix 5: Class Diagram Trading Partner Neutral Trade Item Information Definition

Business Process: ALIGN: Trade Item: Trading Partner Neutral Trade Item Information



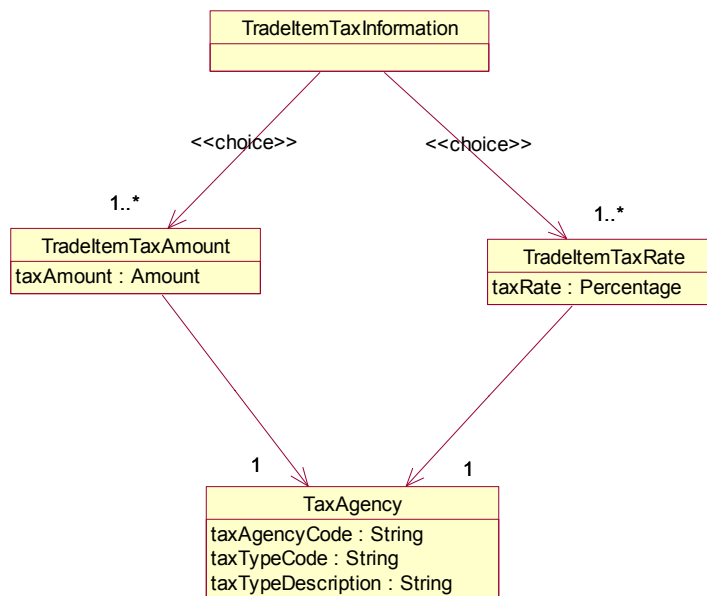
Appendix 6: Class Diagram Trade Item Classification

Business Process: ALIGN: Trade Item: Trade Item Classification



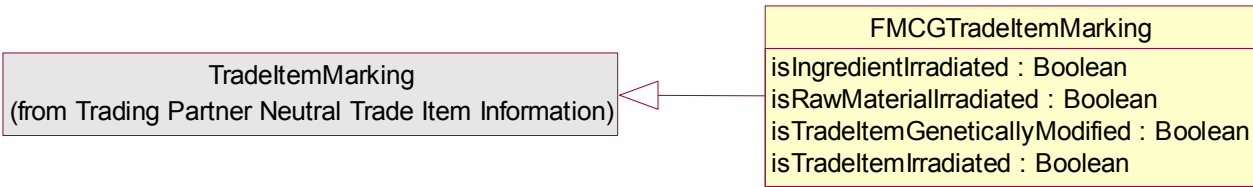
Appendix 7: Class Diagram Trade Item Tax Information

Business Process: ALIGN: Trade Item: Trade Item Tax Information

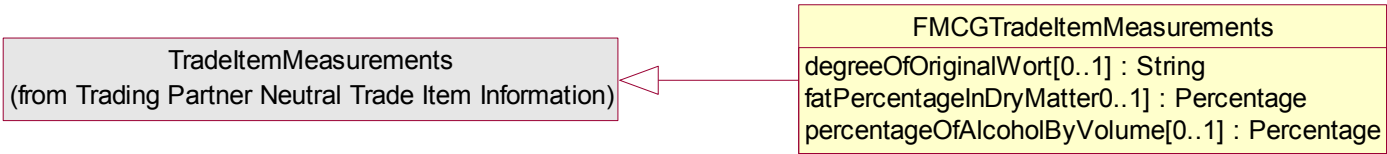


Appendix 8: Class Diagram FMCG Trade Item

Business Process: ALIGN: Trade Item: Trade Item Marking

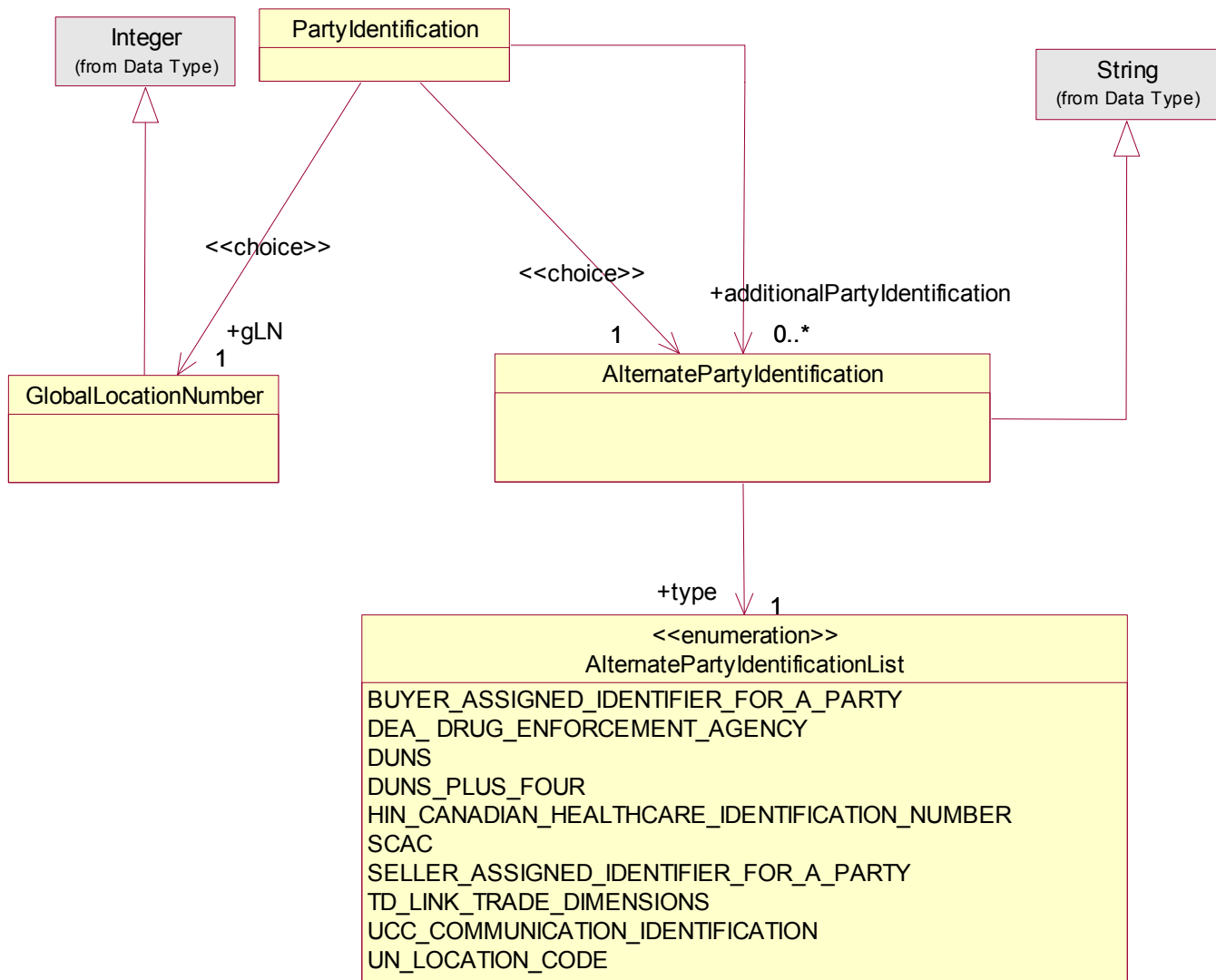


Business Process: ALIGN: Trade Item: Trade Item Measurements



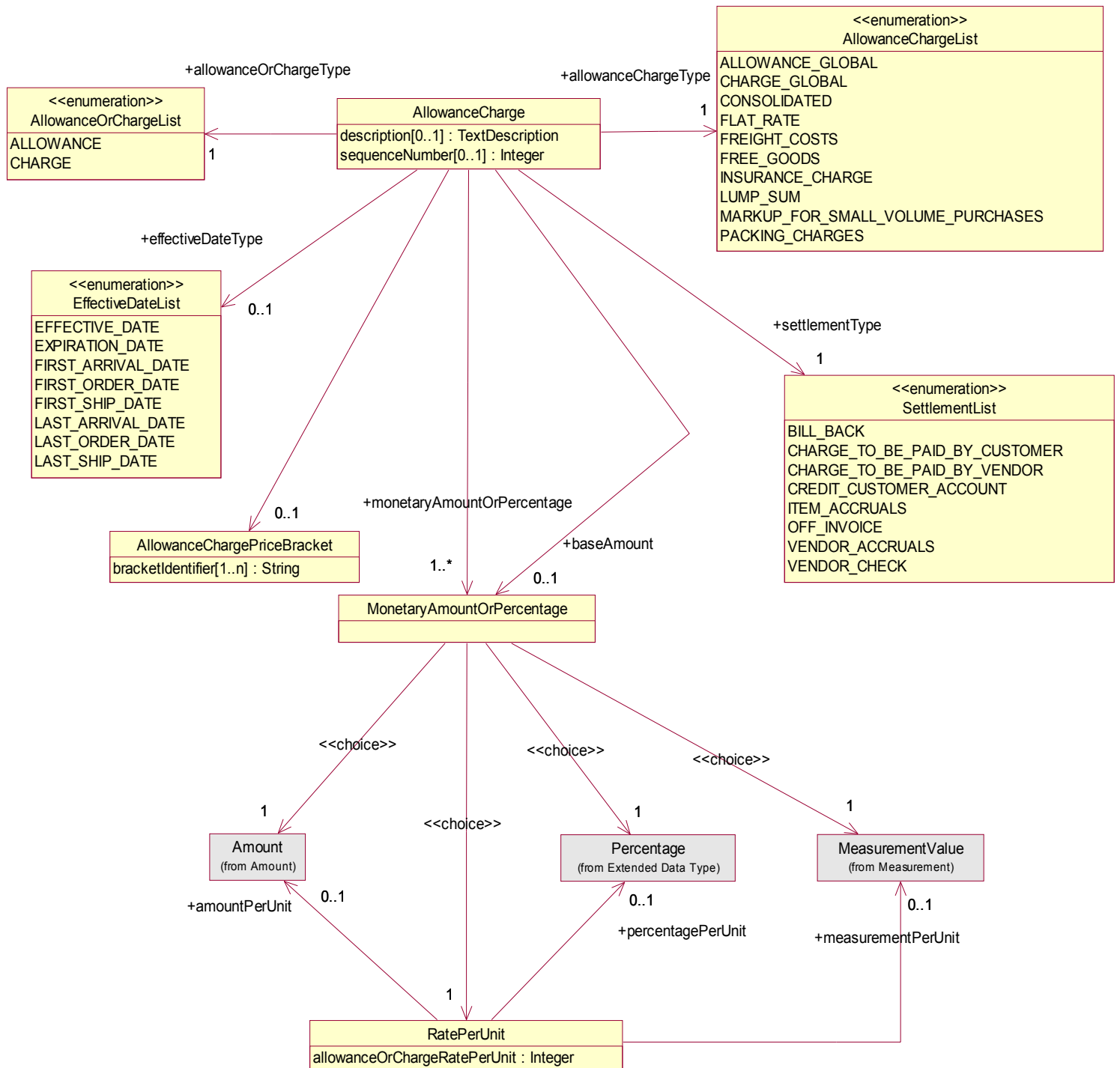
Appendix 9: Class Diagram Party Identification

Common Library: Common: Identification: Party Identification



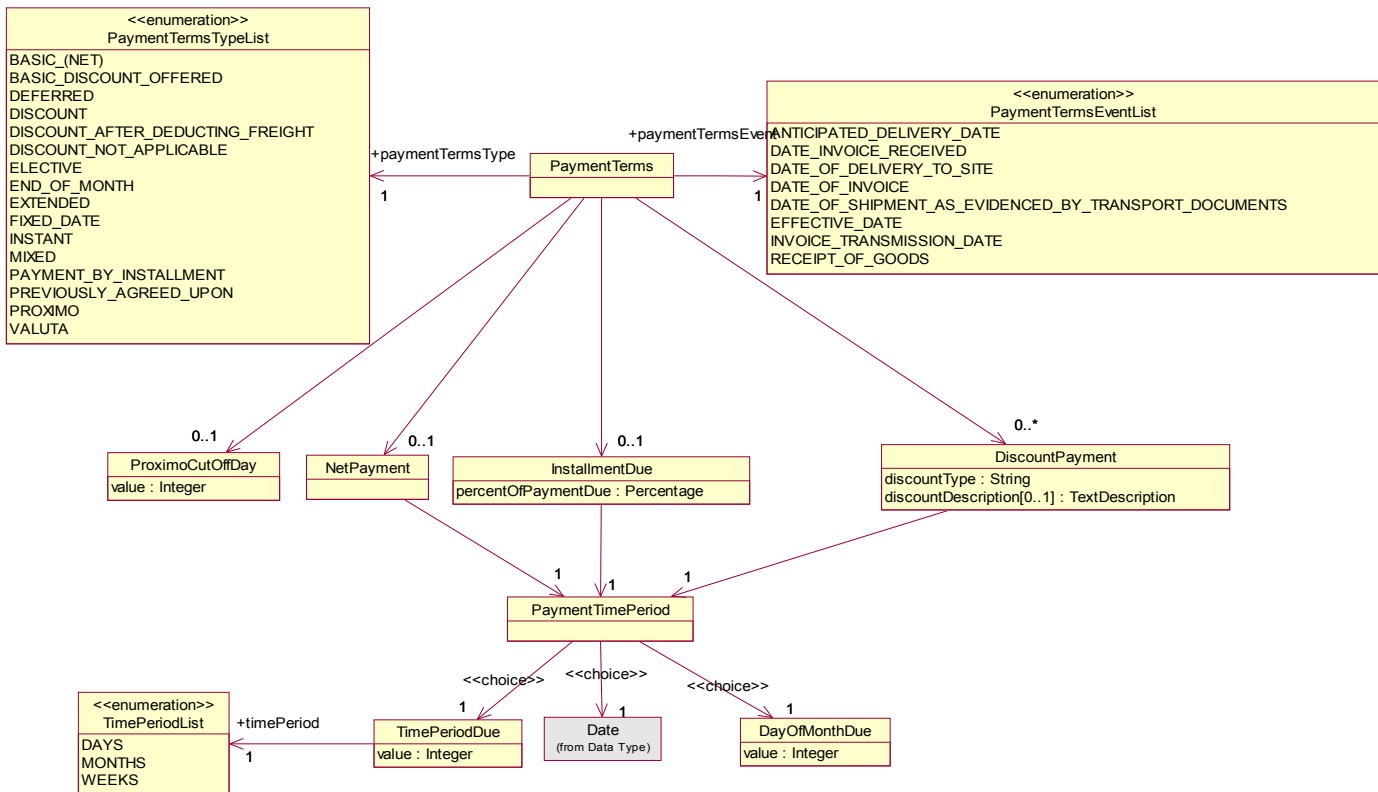
Appendix 10: Class Diagram Allowance Charge

Business Process: Order: Terms: Allowance Charge



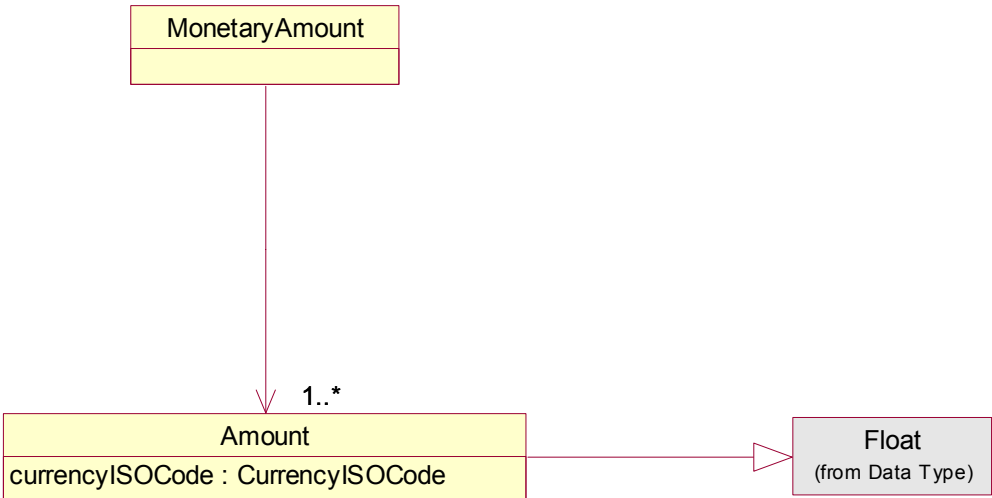
Appendix 11: Class Diagram Payment Terms

Business Process: ORDER: Terms: Payment Terms



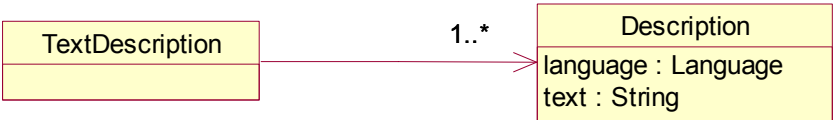
Appendix 12: Class Diagram Amount

Common Library: Common: Components: Amount



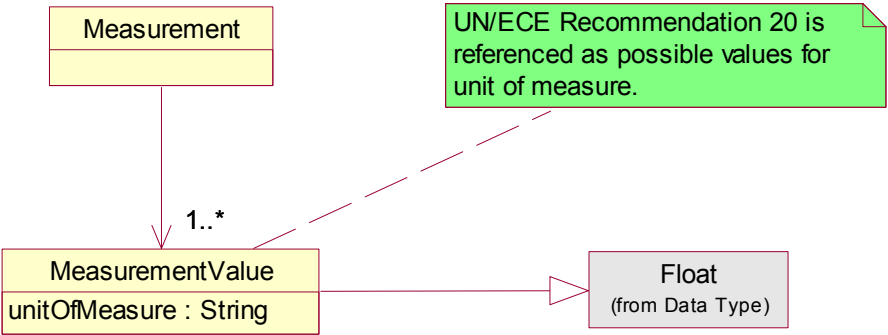
Appendix 13: Class Diagram Description

Common Library: Common: Components :Description



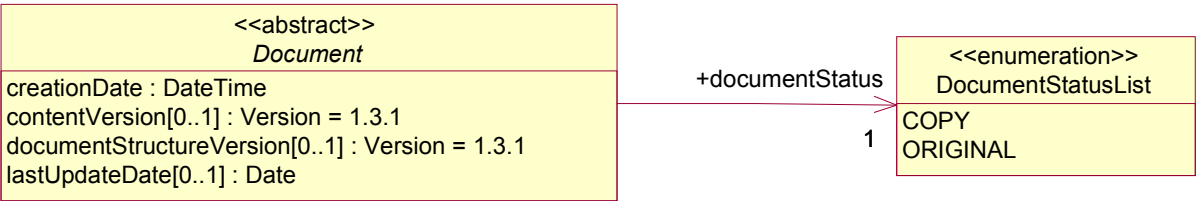
Appendix 14: Class Diagram Measurement

Common Library: Common: Components :Measurement



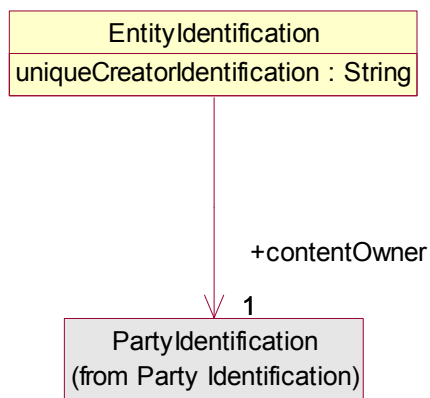
Appendix 15: Class Diagram Document

Common Library: Common: Components: Document



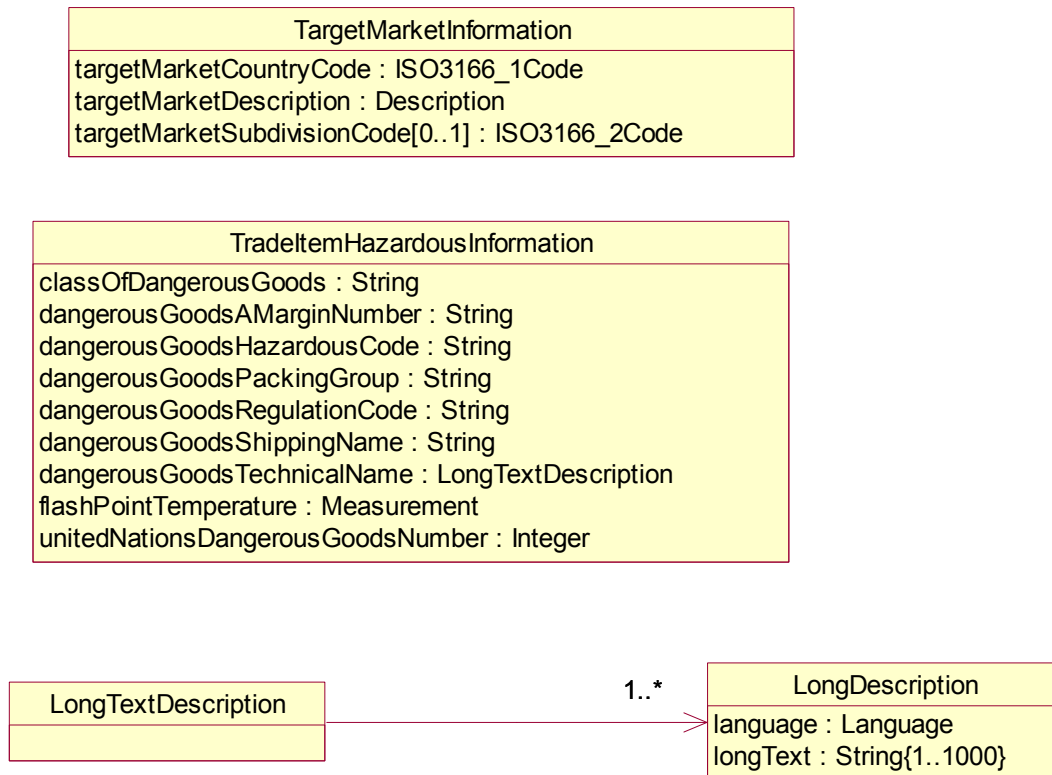
Appendix 16: Class Diagram Entity Identification

Common Library: Common: Identification: Entity Identification

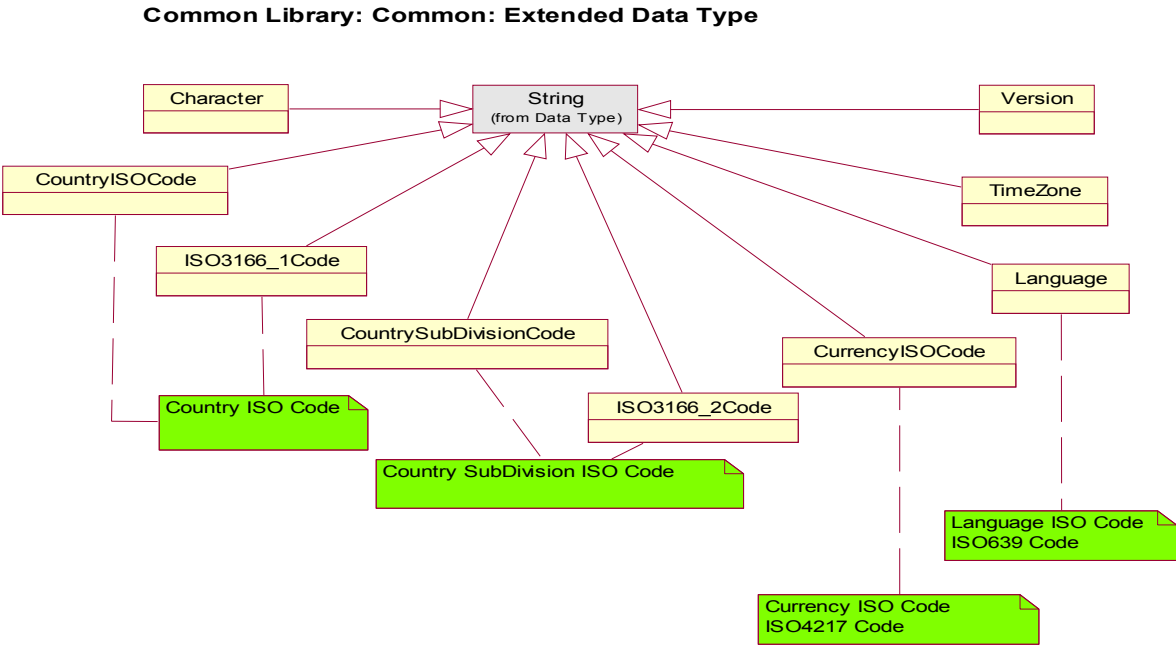


Appendix 17: Class Diagram Trade Item Common

Business Process: ALIGN: Trade Item: Trade Item Common

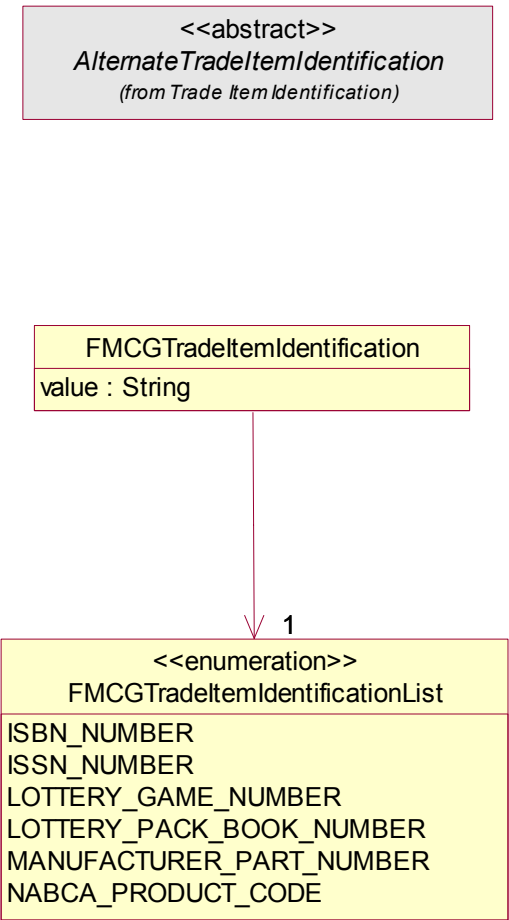


Appendix 18: Class Diagram Extended Data Type



Appendix 19: Class Diagram FMCG Trade Item Identification

Extension: FMCG: FMCG Trade Item Identification



The following four Appendixes were incorporated for informational purposes.

APPENDIX A – Attribute Variations

Shows how do attributes vary (by Target Market, by Relationship) or how can attributes be repeated (Multiple Values Allowed).

APPENDIX B – Attribute Association by Trade Item Hierarchy Level for Data Sync

Shows the attribute association by each hierarchy level as it applies to Data Synchronization.

APPENDIX C – Attributes Mandatory for Data Synchronization

It is recognized that the attributes listed in this data model may be used for a 'one-to-many' global data synchronization process. In light of this use, the table in Appendix 3 lists which attributes are mandatory within this process. Please note, this does not mean that only mandatory attributes are communicated via data sync. All other attributes, marked as optional here, can also be included in messages.

APPENDIX D – Version 7.2 Model Harmonization Summary

Summary of harmonized models.

APPENDIX A: Attribute Variations

Resolved Item Name	Multiple Values Allowed	Can vary by Target Market i.e has status: N (Global) (Global/Local), Y (Local)	Is Trading Partner Dependent (T.P.Dependent) , Trading Partner Neutral (T.P.Neutral+F53) OR Both
additionalClassificationAgencyName	Yes	N (Global)	T.P.Neutral
additionalClassificationCategoryCode	Yes	N (Global)	T.P.Neutral
additionalClassificationCategoryDescription	Yes	N (Global)	T.P.Neutral
additionalTradeItemDescription	No	Y (Global/Local)	T.P.Neutral
alternateItemIdentification	No	Y (Global/Local)	T.P.Neutral
barCodeType	Yes	N (Global)	T.P.Neutral
brandName	No	N (Global)	T.P.Neutral
brandOwner	No	N (Global)	T.P.Neutral
canceledDate	No	N (Global)	T.P.Neutral
cataloguePrice	No	Y (Global/Local)	T.P.Neutral
classOfDangerousGoods	Yes	N (Global)	T.P.Neutral
colorCodeListAgency	Yes	N (Global)	T.P.Neutral
colorCodeValue	Yes	N (Global)	T.P.Neutral
colorDescription	Yes	N (Global)	T.P.Neutral
consumerAvailabilityDateTime	No	Y (Global/Local)	T.P.Neutral
countryOfOrigin	Yes	N (Global)	T.P.Neutral
couponFamilyCode	No	Y (Local)	T.P.Neutral
dangerousGoodsAMarginNumber	Yes	Y (Local)	T.P.Neutral
dangerousGoodsHazardousCode	Yes	N (Global)	T.P.Neutral
dangerousGoodsIndicator	No	Y (Global/Local)	T.P.Neutral
dangerousGoodsPackingGroup	Yes	N (Global)	T.P.Neutral
dangerousGoodsRegulationCode	Yes	N (Global)	T.P.Neutral
dangerousGoodsShippingName	Yes	N (Global)	T.P.Neutral
dangerousGoodsTechnicalName	Yes	N (Global)	T.P.Neutral
degreeOfOriginalWort	No	Y (Local)	T.P.Neutral
deliveryToDistributionCenterTemperatureMaximum	No	N (Global)	T.P.Neutral
deliveryToDistributionCenterTemperatureMinimum	No	N (Global)	T.P.Neutral
deliveryToMarketTemperatureMaximum	No	N (Global)	T.P.Neutral
deliveryToMarketTemperatureMinimum	No	N (Global)	T.P.Neutral
depth	No	N (Global)	T.P.Neutral
descriptionShort	No	N (Global)	T.P.Neutral
descriptiveSize	No	N (Global)	T.P.Neutral
diameter	No	N (Global)	T.P.Neutral
discontinuedDate	No	Y (Global/Local)	T.P.Neutral
drainedWeight	No	N (Global)	T.P.Neutral
eANUCCClassificationAttributeTypeCode	Yes	N (Global)	T.P.Neutral
eANUCCClassificationAttributeTypeDefinition	Yes	N (Global)	T.P.Neutral
eANUCCClassificationAttributeTypeName	Yes	N (Global)	T.P.Neutral

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eANUCCClassificationAttributeValueCode	No	N (Global)	T.P.Neutral
eANUCCClassificationAttributeValueName	No	N (Global)	T.P.Neutral
eANUCCClassificationCategoryCode	No	N (Global)	T.P.Neutral
eANUCCClassificationCategoryDefinition	No	N (Global)	T.P.Neutral

Resolved Item Name	Multiple Values Allowed	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
eANUCCClassificationCategoryName	No	N (Global)	T.P.Neutral
effectiveDate	No	Y (Global/Local)	T.P.Neutral
effectiveEndDate	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
effectiveStartDate	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
endAvailabilityDateTime	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
fatPercentageInDryMatter	No	N (Global)	T.P.Neutral
flashPointTemperature	Yes	N (Global)	T.P.Neutral
functionalName	No	N (Global)	T.P.Neutral
genericIngredient	No	Y (Local)	T.P.Neutral
genericIngredientStrength	No	Y (Local)	T.P.Neutral
globalTradeItemNumber	No	N (Global)	T.P.Neutral
grossWeight	No	N (Global)	T.P.Neutral
handlingInstructionsCode	Yes	N (Global)	T.P.Neutral
hasBatchNumber	No	Y (Local)	T.P.Neutral
height	No	N (Global)	T.P.Neutral
informationProvider	No	N (Global)	T.P.Neutral
ingredientStrength	No	Y (Global/Local)	T.P.Neutral
invoiceName	No	N (Global)	T.P.Neutral
isBarcodeOnThePackage	No	N (Global)	T.P.Neutral
ISBN_NUMBER	No	N (Global)	T.P.Neutral
isIngredientIrradiated	No	Y (Global/Local)	T.P.Neutral
isnetContentDeclarationIndicated	No	Y (Global/Local)	T.P.Neutral
isNonSoldTradeItemReturnable	No	Y (Global/Local)	T.P.Neutral
isPackagingMarkedAsRecyclable	No	Y (Global/Local)	T.P.Neutral
isPackagingMarkedReturnable	No	N (Global)	T.P.Neutral
isPackagingMarkedWithExpirationDate	No	N (Global)	T.P.Neutral
isPackagingMarkedWithGreenDot	No	Y (Local)	T.P.Neutral
isPackagingMarkedWithIngredients	No	Y (Local)	T.P.Neutral
isRawMaterialIrradiated	No	Y (Global/Local)	T.P.Neutral
ISSN_NUMBER	No	N (Global)	T.P.Neutral
isTradeItemABaseUnit	No	N (Global)	T.P.Neutral
isTradeItemAConsumerUnit	No	N (Global)	T.P.Neutral
isTradeItemADispatchUnit	No	Y (Global/Local)	T.P.Dependent
isTradeItemAnInvoiceUnit	No	Y (Global/Local)	T.P.Dependent
isTradeItemAnOrderableUnit	No	Y (Global/Local)	T.P.Dependent
isTradeItemAVariableUnit	No	N (Global)	T.P.Neutral
isTradeItemGeneticallyModified	No	Y (Global/Local)	T.P.Neutral
isTradeItemInformationPrivate	No	N (Global)	T.P.Neutral

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(Data Definition)*

isTradelItemIrradiated	No	Y (Global/Local)	T.P.Neutral
isTradelItemMarkedAsRecyclable	No	Y (Global/Local)	T.P.Neutral
lastChangeDateTime	No	N (Global)	T.P.Neutral
manufacturer	Yes	N (Global)	T.P.Neutral
manufacturerpartnumber	Yes	Y (Global/Local)	T.P.Neutral

Resolved Item Name	Multiple Values Allowed	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
materialSafetyDataSheet	No	N (Global)	T.P.Neutral
materialSafetyDataSheetNumber	No	N (Global)	T.P.Neutral
minimumTradelItemLifespanFromTimeOfArrival	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
nameOfBrandOwner	No	N (Global)	T.P.Neutral
nameOfInformationProvider	No	N (Global)	T.P.Neutral
nameOfManufacturer	Yes	N (Global)	T.P.Neutral
netContent	No	N (Global)	T.P.Neutral
netWeight	No	N (Global)	T.P.Neutral
orderingLeadTime	No	Y (Global/Local)	T.P.Neutral
orderQuantityMaximum	No	Y (Global/Local)	T.P.Dependent
orderQuantityMinimum	No	Y (Global/Local)	T.P.Dependent
orderQuantityMultiple	No	Y (Global/Local)	T.P.Neutral
orderSizingFactor	No	Y (Global/Local)	T.P.Neutral
organicClaimAgency	Yes	Y (Global/Local)	T.P.Neutral
organicTradelItemCode	No	Y (Global/Local)	T.P.Neutral
packagingMaterialCode	Yes	Y (Global/Local)	T.P.Neutral
packagingMaterialCodeListMaintenanceAgency	Yes	Y (Global/Local)	T.P.Neutral
packagingMaterialCompositionQuantity	Yes	Y (Global/Local)	T.P.Neutral
packagingMaterialDescription	Yes	Y (Global/Local)	T.P.Neutral
packagingTermsAndConditions	No	N (Global)	T.P.Neutral
packagingTypeCode	Yes	N (Global)	T.P.Neutral
packagingTypeDescription	Yes	N (Global)	T.P.Neutral
palletTermsAndConditions	No	Y (Global/Local)	T.P.Neutral
palletTypeCode	No	Y (Global/Local)	T.P.Neutral
partyReceivingPrivateData	Yes	N (Global)	T.P.Dependent
pegHorizontal	No	N (Global)	T.P.Neutral
pegVertical	No	N (Global)	T.P.Neutral
percentageOfAlcoholByVolume	No	N (Global)	T.P.Neutral
priceOnPackIndicator	No	N (Global)	T.P.Neutral
productRange	No	N (Global)	T.P.Neutral
publicationDate	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
quantityOfChildren	No	N (Global)	T.P.Neutral
quantityOfCompleteLayersContainedInATradelItem	No	N (Global)	T.P.Neutral
quantityOfInnerPack	No	N (Global)	T.P.Neutral
quantityOfLayersPerPallet	No	N (Global)	T.P.Neutral
quantityOfNextLevelTradelItemWithinInnerPack	No	N (Global)	T.P.Neutral
quantityOfNextLowerLeverTradelItem	Yes	N (Global)	T.P.Neutral

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quantityOfTradeItemsContainedInACompleteLayer	No	N (Global)	T.P.Neutral
quantityOfTradeItemsPerPallet	No	N (Global)	T.P.Neutral
quantityOfTradeItemsPerPalletLayer	No	N (Global)	T.P.Neutral
replacedTradeItemIdentification	No	Y (Global/Local)	T.P.Neutral
retailPriceOnTradeItem	No	N (Global)	T.P.Neutral
sizeCodeListAgency	Yes	N (Global)	T.P.Neutral

Resolved Item Name	Multiple Values Allowed	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
sizeCodeValue	Yes	N (Global)	T.P.Neutral
stackingFactor	No	N (Global)	T.P.Neutral
stackingWeightMaximum	No	N (Global)	T.P.Neutral
startAvailabilityDateTime	No	Y (Global/Local)	T.P.Neutral & T.P.Dependent
storageHandlingTemperatureMaximum	No	N (Global)	T.P.Neutral
storageHandlingTemperatureMinimum	No	N (Global)	T.P.Neutral
subBrand	No	N (Global)	T.P.Neutral
suggestedRetailPrice	No	Y (Global/Local)	T.P.Neutral
targetMarketCountryCode	Yes	N (Global)	T.P.Neutral
targetMarketDescription	Yes	N (Global)	T.P.Neutral
targetMarketSubdivisionCode	Yes	N (Global)	T.P.Neutral
taxAgencyCode	No	Y (Global/Local)	T.P.Neutral
taxAmount	Yes	Y (Global/Local)	T.P.Neutral
taxRate	Yes	Y (Global/Local)	T.P.Neutral
taxTypeCode	No	Y (Global/Local)	T.P.Neutral
taxTypeDescription	No	Y (Global/Local)	T.P.Neutral
totalQuantityOfNextLowerLevelTradeItem	No	N (Global)	T.P.Neutral
tradeItemDescription	No	N (Global)	T.P.Neutral
tradeItemFormDescription	Yes	N (Global)	T.P.Neutral
tradeItemGroupIdentificationCode	No	N (Global)	T.P.Neutral
tradeItemGroupIdentificationDescription	Yes	N (Global)	T.P.Neutral
tradeItemIdentificationOfNextLowerLevelTradeItem	Yes	N (Global)	T.P.Neutral
tradeItemUnitDescriptor	No	N (Global)	T.P.Neutral
unitedNationsDangerousGoodsNumber	Yes	N (Global)	T.P.Neutral
variant	Yes	N (Global)	T.P.Neutral
width	No	N (Global)	T.P.Neutral

APPENDIX B Attribute Association by Trade Item Hierarchy Level for Data Synchronization

Attribute Association by Trade Item Hierarchy Level for Data Sync

globaltrade

Resolved Item Name	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
isTradeItemABaseUnit	M	N	M	N	M		M	N	M	N	M	N
isTradeItemAConsumerUnit	M	N	M	N	M		M	N	M	N	M	N
isTradeItemADespatchUnit	M	N	M	N	M		M	N	M	N	M	N
isTradeItemAnOrderableUnit	M	N	M	N	M		M	N	M	N	M	N
isTradeItemAnInvoiceUnit	M	N	M	N	M		M	N	M	N	M	N
orderQuantityMultiple											O	N
orderQuantityMinimum	O	N	O	N	O		O	N	O	N	O	N
orderQuantityMaximum	O	N	O	N	O		O	N	O	N	O	N
orderSizingFactor	O	N	O	N	O		O	N	O	N	O	N
nameOfInformation Provider	O	Y	O	Y	O		O	Y	O	Y	O	Y
totalQuantityOfNextLowerLevelTradeItem	M	N	M	N	M		M	N	M	N		
brandOwner	O	Y	O	Y	O		O	Y	O	Y	O	Y
nameOfBrandOwner	O	Y	O	Y	O		O	Y	O	Y	O	Y
partyReceivingPrivateData	D	Y	D	Y	D		D	Y	D	Y	D	Y
manufacturer	O	Y	O	Y	O		O	Y	O	Y	O	Y

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	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
nameOfManufacturer	O	Y	O	Y	O		O	Y	O	Y	O	Y
netContent											D	N
isNetContentDeclarationIndicated											O	N
height	M	N	M	N	M		M	N	M	N	M	N
width	M	N	M	N	M		M	N	M	N	M	N
depth	M	N	M	N	M		M	N	M	N	M	N
grossWeight	D	N	D	N	D		D	N	D	N	D	N
netWeight	O	N	O	N	O		O	N	O	N		
diameter											O	N
drainedWeight											O	N
effectiveDate	M	N	M	N	M		M	N	M	N	M	N
lastChangeDateTime	M	N	M	N	M		M	N	M	N	M	N
publicationDate	M	N	M	N	M		M	N	M	N	M	N
startAvailabilityDateTime	M	N	M	N	M		M	N	M	N	M	N
endAvailabilityDateTime	O	N	O	N	O		O	N	O	N	O	N
consumerAvailabilityDateTime											O	N
discontinuedDate	O	N	O	N	O		O	N	O	N	O	N
canceledDate	O	N	O	N	O		O	N	O	N	O	N
dangerousGoodsIndicator	M	N	M	N	M		M	N	M	N	M	N
dangerousGoodsRegulationCode	D	N	D	N	D		D	N	D	N	D	N
unitedNationsDangerousGoodsNumber	D	N	D	N	D		D	N	D	N	D	N
dangerousGoodsShippingName	D	N	D	N	D		D	N	D	N	D	N
dangerousGoodsTechnicalName	D	N	D	N	D		D	N	D	N	D	N
dangerousGoodsPackingGroup	D	N	D	N	D		D	N	D	N	D	N

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
dangerousGoodsHazardousCode	D	N	D	N	D		D	N	D	N	D	N
dangerousGoodsAMarginNumber	D	N	D	N	D		D	N	D	N	D	N
flashPointTemperature											D	N
stackingWeightMaximum	O	N	O	N	O		O	N	O	N	O	N
storageHandlingTemperatureMaximum	O	Y	O	Y	O		O	Y	O	Y	O	Y
storageHandlingTemperatureMinimum	O	Y	O	Y	O		O	Y	O	Y	O	Y
handlingInstructionsCode											O	N
deliveryToMarketTemperatureMaximum											O	N
deliveryToMarketTemperatureMinimum											O	N
deliveryToDistributionCenterTemperatureMaximum											O	N
deliveryToDistributionCenterTemperatureMinimum											O	N
orderingLeadTime											O	N
palletTypeCode			O	N								
quantityOfTradeItemsPerPallet	O	N	O	N	O		O	N	O	N	O	N
quantityOfLayersPerPallet	O	N	O	N	O		O	N	O	N	O	N
quantityOfTradeItemsPerPalletLayer	O	N	O	N	O		O	N	O	N	O	N
palletTermsAndConditions			O	N								
tradeItemUnitDescriptor	M	N	M	N	M		M	N	M	N	M	N
invoiceName	O	N	O	N	O		O	N	O	N	O	N
tradeItemFormDescription											O	N
productRange											O	N
subBrand											O	Y
functionalName	M	Y	M	Y	M		M	Y	M	Y	M	Y
descriptiveSize	O	Y	O	Y	O		O	Y	O	Y	O	Y

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
variant											O	N
colorCodeValue											O	N
colorDescription											O	N
colorCodeListAgency											O	N
isTradeItemInformationPrivate	M	Y	M	Y	M		M	Y	M	Y	M	Y
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		M	N	M	N	M	N
percentageOfAlcoholByVolume											O	N
fatPercentageInDryMatter											O	N
degreeOfOriginalWort	O	N	O	N	O		O	N	O	N	O	N
isBarcodeOnThePackage	M	N	M	N	M		M	N	M	N	M	N
isPackagingMarkedReturnable	M	N	M	N	M		M	N	M	N	M	N
isPackagingMarkedWithExpirationDate											O	N
minimumTradeItemLifespanFromTimeOfArrival											O	N

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
countryOfOrigin											O	N
isTradeItemMarkedAsRecyclable											O	N
isNonSoldTradeItemReturnable											O	N
taxTypeCode	O	N	O	N	O		O	N	O	N	O	N
taxTypeDescription	O	N	O	N	O		O	N	O	N	O	N
taxRate	O	N	O	N	O		O	N	O	N	O	N
taxAmount	O	N	O	N	O		O	N	O	N	O	N
taxAgencyCode	O	N	O	N	O		O	N	O	N	O	N
targetMarketCountryCode	O	Y	O	Y	O		O	Y	O	Y	O	Y
targetMarketSubdivisionCode	O	Y	O	Y	O		O	Y	O	Y	O	Y
targetMarketDescription	O	Y	O	Y	O		O	Y	O	Y	O	Y
ingredientStrength											O	N
sizeCodeValue											O	N
sizeCodeListAgency											O	N
cataloguePrice	O	N	O	N	O		O	N	O	N	O	N
effectiveStartDate	D	N	D	N	D		D	N	D	N	D	N
effectiveEndDate	O	N	O	N	O		O	N	O	N	O	N
packagingTypeCode	O	N	O	N	O		O	N	O	N	O	N
packagingTypeDescription	O	N	O	N	O		O	N	O	N	O	N
pegHorizontal											O	N
pegVertical											O	N
quantityOfInnerPack	O	N	O	N	O		O	N	O	N	O	N
quantityOfNextLevelTradeItemWithinInnerPack	O	N	O	N	O		O	N	O	N	O	N
isPackagingMarkedWithGreenDot											O	N

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
packagingMaterialCode	O	N	O	N	O		O	N	O	N	O	N
packagingMaterialDescription	D	N	D	N	D		D	N	D	N	D	N
packagingMaterialCompositionQuantity	D	N	D	N	D		D	N	D	N	D	N
isPackagingMarkedWithIngredients											O	N
quantityOfCompleteLayersContainedInATradeItem		N	O	N	O		O	N	O	N		
quantityOfTradeItemsContainedInACompleteLayer	O	N	O	N	O		O	N	O	N		
packagingMaterialCodeListMaintenanceAgency	D	A	D	A	D		D	A	D	A	D	A
isPackagingMarkedAsRecyclable	M	N	M	N	M		M	N	M	N	M	N
materialSafetyDataSheet	M	N	M	N	M		M	N	M	N	M	N
materialSafetyDataSheetNumber	O	N	O	N	O		O	N	O	N	O	N
descriptionShort											O	N
brandName											M	N
tradeItemDescription	M	Y	M	Y	M		M	Y	M	Y	M	Y
informationProvider	O	Y	O	Y	O		O	Y	O	Y	O	Y
globalTradeItemNumber	O	N	O	N	O		O	N	O	N	O	N
classificationCategoryCode											O	N
classificationCategoryName											O	N
classificationCategoryDefinition											O	N
eANUCCClassificationAttributeTypeCode											O	N
eANUCCClassificationAttributeTypeName											O	N
eANUCCClassificationAttributeTypeDefinition											O	N
eANUCCClassificationAttributeValueCode											O	N
eANUCCClassificationAttributeValueName											O	N
additionalClassificationCategoryCode											O	N

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

	Mixed Module (MX)		Pallet (PL)		Displays, Shippers or Mixed Cases (DS)		Case (CS)		Pack/InnerPack (PK)		Each (EA)	
Resolved Item Name	M/O/D Status	Common	M/O/D Status	Common	M/O/D Status		M/O/D Status	Common	M/O/D Status	Common	M/O/D Status	Common
additionalClassificationCategoryDescription											O	N
additionalClassificationAgencyName											D	N
nextLowerLevelGtin	M	N	M	N	M		M	N	M	N	M	N
quantityOfNextLowerLevelTradeItem	M	N	M	N	M		M	N	M	N	M	N
quantityOfChildren	M	N	M	N	M		M	N	M	N		
alternateTradeItemIdentification	O	N	O	N	O		O	N	O	N	O	N
tradeItemGroupIdentificationCode											O	N
tradeItemGroupIdentificationDescription											D	N
replacedTradeItemIdentification	O	N	O	N	O		O	N	O	N	O	N
ISBN_NUMBER											O	N
ISSN_NUMBER												
classOfDangerousGoods	D	N	D	N	D		D	N	D	N	D	N
packagingTermsAndConditions	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

APPENDIX C Attributes Mandatory for Data Synchronization

Attributes Mandatory for Data Synchronization

Class Name	Item Name	Mandatory to Data Sync
TradeItemDescriptionInformation	tradeItemGroupIdentificationCode	No
TradeItemDescriptionInformation	tradeItemGroupIdentificationDescription	No
TradeItemIdentification	replacedTradeItemIdentification	No
AlternateTradeItemIdentification	alternateTradeItemIdentification	No
BarcodeTypeList	barcodeType	No
BrandOwnerofTradeItem	brandOwner	No
BrandOwnerofTradeItem	nameOfBrandOwner	No
ChildTradeItem	nextLowerLevelGtin	No
ChildTradeItem	quantityOfNextLowerLevelTradeItem	No
ChildTradeItem	quantityOfChildren	No
ClassificationCategory	additionalClassificationCategoryCode	No
ClassificationCategory	additionalClassificationCategoryDescription	No
ClassificationCategory	additionalClassificationAgencyName	No
PackagingMarking	isPackagingMarkedWithIngredients	No
PackagingMarking	isPackagingMarkedWithGreenDot	No
PackagingMarking	isPackagingMarkedAsRecyclable	No
TradeItemDateInformation	publicationDate	No
TradeItemDateInformation	effectiveDate	No
TradeItemDateInformation	consumerAvailabilityDateTime	No
TradeItemDateInformation	startAvailabilityDateTime	No
TradeItemDateInformation	endAvailabilityDateTime	No
TradeItemDateInformation	discontinuedDate	No
TradeItemHandlingInformation	minimumTradeItemLifespanFromTimeOfArrival	No
TradeItemHazardousInformation	dangerousGoodsIndicator	No
TradeItemHazardousInformation	dangerousGoodsAMarginNumber	No

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TradeItemOrderInformation	orderingLeadTime	No
TradeItemOrderInformation	orderQuantityMaximum	No
TradeItemOrderInformation	orderQuantityMinimum	No
TradeItemOrderInformation	orderQuantityMultiple	No
TradeItemOrderInformation	orderSizingFactor	No
TradeItemPriceDateInformation	suggestedRetailPrice	No
TradeItemPriceDateInformation	cataloguePrice	No
TradeItemPriceDateInformation	effectiveStartDate	No
TradeItemPriceDateInformation	effectiveEndDate	No
TradeItemUnitIndicator	isTradeItemADespatchUnit	No
TradeItemUnitIndicator	isTradeItemAnInvoiceUnit	No
TradeItemUnitIndicator	isTradeItemAnOrderableUnit	No
EANUCCTradeItemClassification	eANUCCClassificationAttributeTypeDefinition	No
EANUCCTradeItemClassification	eANUCCClassificationAttributeTypeCode	Yes
EANUCCTradeItemClassification	eANUCCClassificationAttributeTypeName	No
EANUCCTradeItemClassificationValue	eANUCCClassificationAttributeValueName	No
EANUCCTradeItemClassificationValue	eANUCCClassificationAttributeValueCode	Yes
TradeItemMeasurements	genericIngredient	No
TradeItemMeasurements	genericIngredientStrength	No
FMCGTradeItemMeasurements	degreeOfOriginalWort	No
TradeItemMeasurements	ingredientStrength	No
TradeItemDescriptionInformation	descriptionShort	No
TradeItemDescriptionInformation	invoiceName	No
TradeItemDescriptionInformation	functionalName	No
TradeItemDescriptionInformation	brandName	No
TradeItemDescriptionInformation	tradeItemFormDescription	No
TradeItemDescriptionInformation	productRange	No
TradeItemDescriptionInformation	subBrand	No
TradeItemDescriptionInformation	variant	No
TradeItemDescriptionInformation	additionalTradeItemDescription	No
FMCGTradeItemIdentificationList	ISBN_NUMBER	No
FMCGTradeItemIdentificationList	ISSN_NUMBER	No
TradeItemMarking	hasBatchNumber	No
TradeItem	totalQuantityOfNextLowerLevelTradeItem	Yes

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
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FMCGTradelItemMarking	isTradelItemGeneticallyModified	No
FMCGTradelItemMarking	isTradelItemIrradiated	No
FMCGTradelItemMeasurements	netWeight	No
FMCGTradelItemMeasurements	diameter	No
FMCGTradelItemMeasurements	drainedWeight	No
FMCGTradelItemMeasurements	fatPercentageInDryMatter	No
FMCGTradelItemMeasurements	netContent	No
FMCGTradelItemMeasurements	pegHorizontal	No
FMCGTradelItemMeasurements	pegVertical	No
FMCGTradelItemMeasurements	percentageOfAlcoholByVolume	No
GlobalTradelItemNumber	globalTradelItemNumber	Yes
Information Provider	informationProvider	Yes
InformationProvider	nameOfInformation Provider	No
ManufacturerOfTradelItem	manufacturer	No
ManufacturerOfTradelItem	nameOfManufacturer	No
MaterialSafetyData	materialSafetyDataSheet	No
MaterialSafetyData	materialSafetyDataSheetNumber	No
OrganicTradelItemCharacteristics	organicTradelItemCode	No
OrganicTradelItemCharacteristics	organicClaimAgency	No
PackagingMarking	isPackagingMarkedWithExpirationDate	No
PackagingMarking	isPackagingMarkedReturnable	No
PackagingMarking	isBarcodeOnThePackage	No
PackagingMaterial	packagingMaterialCode	No
PackagingMaterial	packagingMaterialCodeListMaintenanceAgency	No
PackagingMaterial	packagingMaterialCompositionQuantity	No
PackagingMaterial	packagingMaterialDescription	No
PackagingMaterial	packagingTermsAndConditions	No
PackagingType	packagingTypeCode	No
PackagingType	packagingTypeDescription	No
PriceOnTradelItem	retailPriceOnTradelItem	No
PriceOnTradelItem	priceOnPackIndicator	No
PrivateInformation	isTradelItemInformationPrivate	No
PrivateInformation	partyReceivingPrivateData	No
TargetMarketInformation	targetMarketDescription	No

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

TargetMarketInformation	targetMarketCountryCode	Yes
TargetMarketInformation	targetMarketSubdivisionCode	No
TaxAgency	taxTypeCode	No
TaxAgency	taxTypeDescription	No
TaxAgency	taxAgencyCode	No
TradeltemCountryOfOrigin	countryOfOrigin	No
TradeltemCoupon	couponFamilyCode	No
TradeltemClassification	classificationCategoryDefinition	No
TradeltemClassification	classificationCategoryCode	Yes
TradeltemClassification	classificationCategoryName	No
TradeltemColorDescription	colorDescription	No
TradeltemColorDescription	colorCodeListAgency	No
TradeltemColorDescription	colorCodeValue	No
TradeltemDateInformation	lastChangeDateTime	No
TradeltemDateInformation	canceledDate	No
TradeltemDescriptionInformation	tradeltemDescription	No
TradeltemDescriptorList	tradeltemUnitDescriptor	No
TradeltemHandlingInformation	handlingInstructionsCode	No
TradeltemHandlingInformation	stackingWeightMaximum	No
TradeltemHandlingInformation	stackingFactor	No
TradeltemHazardousInformation	classOfDangerousGoods	No
TradeltemHazardousInformation	dangerousGoodsRegulationCode	No
TradeltemHazardousInformation	dangerousGoodsShippingName	No
TradeltemHazardousInformation	dangerousGoodsPackingGroup	No
TradeltemHazardousInformation	unitedNationsDangerousGoodsNumber	No
TradeltemHazardousInformation	dangerousGoodsTechnicalName	No
TradeltemHazardousInformation	flashPointTemperature	No
TradeltemHazardousInformation	dangerousGoodsHazardousCode	No
TradeltemHierarchy	quantityOfInnerPack	No
TradeltemHierarchy	quantityOfNextLevelTradeltemWithinInnerPack	No
TradeltemHierarchy	quantityOfCompleteLayersContainedInATradeltem	Yes
TradeltemHierarchy	quantityOfLayersPerPallet	No
TradeltemHierarchy	quantityOfTradeltemsContainedInACompleteLayer	Yes
TradeltemHierarchy	quantityOfTradeltemsPerPallet	No

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

TradeItemHierarchy	quantityOfTradeItemsPerPalletLayer	No
TradeItemMarking	isTradeItemMarkedAsRecyclable	No
TradeItemMarking	isNonSoldTradeItemReturnable	No
TradeItemMeasurements	depth	No
TradeItemMeasurements	grossWeight	No
TradeItemMeasurements	height	No
TradeItemMeasurements	width	No
TradeItemMeasurements	isNetContentDeclarationIndicated	No
TradeItemPalletInformation	palletTermsAndConditions	No
TradeItemPalletInformation	palletTypeCode	No
TradeItemSizeDescription	sizeCodeListAgency	No
TradeItemSizeDescription	sizeCodeValue	No
TradeItemSizeDescription	descriptiveSize	No
TradeItemTaxAmount	taxAmount	No
TradeItemTaxRate	taxRate	No
TradeItemTemperatureInformation	deliveryToMarketTemperatureMaximum	No
TradeItemTemperatureInformation	deliveryToMarketTemperatureMinimum	No
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMaximum	No
TradeItemTemperatureInformation	deliveryToDistributionCenterTemperatureMinimum	No
TradeItemTemperatureInformation	storageHandlingTemperatureMaximum	No
TradeItemTemperatureInformation	storageHandlingTemperatureMinimum	No
TradeItemUnitIndicator	isTradeItemAConsumerUnit	No
TradeItemUnitIndicator	isTradeItemABaseUnit	No
TradeItemUnitIndicator	isTradeItemAVariableUnit	No

APPENDIX D: Version 7.2 Model Harmonization Summary

Appendix 2 Trade Item Identification The external classes FMCG Trade Item Identification and FMCG Trade Item Identification List has been color coded to grey.

Appendix 3 Trade Item Information

Target Market Information class has been moved to Trade Item Common for reuse.

Appendix 4 Trading Partner Neutral Trade Item Information Relationship

Trade Item Hazardous Information class has been moved to Trade Item Common.

Appendix 5 Trading Partner Neutral Trade Item Information Definition

Trade Item Hazardous Information class has been moved to Trade Item Common.

Appendix 10 Allowance Charge

The harmonized Allowance Charge model has been added.

Appendix 11 Payment Terms

The harmonized Payment Terms model has been added.

Appendix 15 Document

Data Type Version has been changed to Version=1.3.1

Appendix 17 Trade Item Common

This class diagram was added to illustrate the definitions of the Trade Item Common Classes.

Added Long Text Description and Long Description Classes.

Target Market Information

Trade Item Hazardous Information

Appendix 18: Extended Data Type

Class Diagram added to illustrate the ISO Codes.

-

Style Sheet

Description

This HTML has been created using a Style Sheet, it is a visual representation of the data. It is not an actual Style Sheet, but an example of what a Style Sheet may look like.

HTML Example

Message MSG-123

Creation Date	March 11, 2003 10:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000010

Transaction

Creator ID = yummyfood-27785-TRANS

Content Owner = 0012345000010

Command ADD

Creator ID = yummyfood-ITEM-27785

Content Owner = 0012345000010

Trade Item Document

Creator ID = yummyfood-27785

Content Owner = 0012345000010

Document Information

Creation Date March 17, 2003 10:00:00

Last Update Date February 26, 2003

Content Version 1.3.1

Doc Structure Version 1.3.1

Status ORIGINAL

Trade Item

Identification	61414100000012	Unit Descriptor	CASE
Replaced Identification	00123456555334		

Next Lower Level Trade Item Information

Quantity of Children	2	Total Quantity of Next Lower Level Trade Items	10
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Child Trade Item(s)

Quantity of Next Lower Level Trade Item	Identification
5	00123456556331
5	00123456556997

Allowance or Charge

Allowance or Charge 1

Allowance or Charge		Type	ALLOWANCE_GLOBAL
Settlement Type	CHARGE_TO_BE_PAID_BY_CUSTOMER	Effective Date Type	EFFECTIVE_DATE
Price Bracket List	TOP		
Description	(EN) Qt. of Yummy Cola		
Base Amount	20 USD	Monetary Amounts/Pcts	20 USD

Information Provider

Identification	0012345000065	Name	ACME Drinks
-----------------------	---------------	-------------	-------------

Payment Terms

Payment Terms 1

Type	BASIC_(NET)	Event	ANTICIPATED_DELIVERY_DATE
Net Payment	30 DAYS	Installment Due	3.14 % , 30 DAYS
Proximo Cut Off Day	30		

Discounts

Type	Description	Time Period
PRE	(EN) Discounted to preferred customers.	30 DAYS

Target Markets

Country Code	Subdivision Code	Description
123	ABCDEFGF	(EN) France, Auvergne

Classification Category Code

Code	1000222	Name	Juice Drinks (perishable)
Definition	Includes any products that can be non-perishable, carbonated beverages that has etc...		

EAN/UCC Trade Item Classifications

Name	Code	Definition	Value	Code	Name
Carbonated non alcoholic beverage	20000345	Includes any product that can be described as non-perishable, carbonated beverages that has etc...	155		Drinks

Trade Item Description

Brand Name	Yummy-Cola
Short Description	(EN) Liters
Functional Name	(EN) Drink
Description	(EN) Yummy-Cola Classic Diet
Additional Description	(EN) Yummy-Cola Lemon scented big size
Invoice Name	(EN) Yummy-Cola Classic Diet
Product Range	Waist Watchers
Sub-Brand	Classic
Group Identification Codes	033200011101
Group Identification Descriptions	Yummy-Cola Classic
Form Descriptions	Liquid
Variant 1	(EN) Lemon

Unit Indicator

Base Unit?	yes	Consumer Unit?	yes
Despatch Unit?	no	Invoice Unit?	no
Orderable Unit?	no	Variable Unit?	no

Bar Code Types

Bar Code Types	RSS_14_STACKED_OMNIDIRECTIONAL
----------------	--------------------------------

Brand Owner

Identification	0012345000065	Name	ACME Drinks Corporate office
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Manufacturers

Identification	Name
0012345000069	ACME Drinks Manufacturing Plant

Material Safety Data

Data Sheet Number	ag34784
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Organic Trade Item Characteristics

Organic Claim Agencies	XYX Agency	Organic Trade Item Code	05
-------------------------------	------------	--------------------------------	----

Packaging Marking

Marked as Recyclable?	yes	Marked Returnable?	no
Marked with Expiration Date?	yes	Marked with Green Dot?	yes
Marked with Ingredients?	yes		

Packaging Material

Code	Code Maintenance Agency	Composition	Quantity	Description	Terms & Condition
GL	String		15 g	(EN) Glass	707

Packaging Type

Code	Description
124	Bottle

Price on Trade Item

Price	36 EUR
--------------	--------

Color Descriptions

Code List Agency	Code Value	Description
PTO	PMS	(EN) Dark burgandy

Countries of Origin

Country

123

Coupon

Coupon Family Code

513

Date Information

Effective Date

2003-01-10

Last Change Date/Time

2002-11-20T12:00:00

Publication Date

2003-01-10

Start Availability Date/Time

2003-01-15T12:00:00

Canceled Date

2002-10-05

Consumer Availability Date/Time

2001-12-17T09:30:47

Discontinued Date

2003-12-18

End Availability Date/Time

2003-12-15T12:00:00

Handling Information

Instructions Code

DFN

Min Lifespan from Time of Arrival

35

Stacking Factor

2

Stacking Weight Maximum

500 kg

Hierarchy

Complete Layers contained in a Trade Item

3

Layers per Pallet

5

Trade Items Contained in a Complete Layer

20

Trade Items per Pallet

100

Trade Items per Pallet Layer

20

Inner Pack

2

Next Level Trade Item within Inner Pack

6

Marking

Has Batch Number? yes

Is Non Sold Returnable? yes

Is Marked as Recyclable? yes

Measurements

Depth 10.2 cm

Gross Weight 800 lb

Height 25 cm

Net Content Decl. Indicated? no

Width 18 cm

Diameter 50.6 cm

Drained Weight 225 g

Generic Ingredient Paracetamol

Generic Ingredient Strength 15 mg

Ingredient Strength 15 mg

Net Content

Net Weight 300 lb

Peg Horizontal 17 cm

Peg Vertical 15 cm

Order Information

Ordering Lead Time 3 d

Quantity Maximum 5000

Quantity Multiple 100

Quantity Minimum 2500

Sizing Factor 15 cm

Pallet Information

Pallet Type Code 201

Terms and Conditions 7E

Catalogue Price Information

Effective Start Date 2002-11-15

Effective End Date 2003-06-15

Value 350 EUR

Suggested Retail Price Information

Effective Start Date 2002-11-15

Effective End Date 2003-06-15

Value 280 USD

Size Descriptions

Code List Agency	Code Value	Description
EDI	36X	(EN) Maxi

Tax Information

Amount	Agency Code	Agency Tax Type Code	Agency Description
6 USD	X1	21233403910392	VAT

Temperature Information

Delivery to Distrib. Center Min.	54 FAH	Delivery to Distrib. Center Max.	60 FAH
Delivery to Market Min.	54 FAH	Delivery to Market Max.	60 FAH
Storage Handling Min.	54 FAH	Storage Handling Max.	60 FAH

GLOBAL DATA DICTIONARY

1.0 Data Synchronization Data Model for Trade Item Class Data Descriptions v1.3.1

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC xsd
AllowanceCharge				This is a reusable class referenced in the Item BRD as part of the Trade Item Information class. See EAN.UCC Business Message Standard for Allowance-Charge Extension, July 2001		O	
AlternatePartyIdentification				Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.		M	Identification.xsd
		BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY		This optional code will be used for cross-reference on a one to one relationship.		O	
		DEA_DRUG_ENFORCEMENT_AGENCY		This optional code will be used for cross-reference on a one to one relationship.		O	
		DUNS		This optional code will be used for cross-reference on a one to one relationship.		O	
		DUNS_PLUS_FOUR		This optional code will be used for cross-reference on a one to one relationship.		O	
		HIN_CANADIAN_HEALTHCARE_IDENTIFICATION_NUMBER		This optional code will be used for cross-reference on a one to one relationship.		O	
		SCAC		This optional code will be used for cross-reference on a one to one relationship.		O	
		SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY		This optional code will be used for cross-reference on a one to one relationship.		O	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

		TD_LINK_TRADE_DIMENSIONS		This optional code will be used for cross-reference on a one to one relationship.		O	
		UCC_COMMUNICATION_IDENTIFICATION		This optional code will be used for cross-reference on a one to one relationship.		O	
		UN_LOCATION_CODE		This optional code will be used for cross-reference on a one to one relationship.		O	
AlternateTradeItemIdentification				Only one primary trade item identifier is used for each trade item. If an alternate identifier, other than GTIN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.		M	Identification.xsd
AlternateTradeItemIdentificationList				This is an enumeration list from CommonAlternateTradeItemIdentification Class		M	Identification.xsd
		BUYER_ASSIGNED		This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.		O	
		INDUSTRY_ASSIGNED		This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.		O	
		SUPPLIER_ASSIGNED		This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.		O	
Amount				This is a class from the MonetaryAmount class		M	Components.xsd
			currencyISOCode	ISO 4217 three digit alpha code. Identification of the name or symbol of the monetary unit involved in the transaction.	3/3	M	
BarCodeTypeList				An enumeration list that is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
		COMPOSITE_COMPONENT_A		The type of bar code or codes, which are visible on a trade item.		O	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

		COMPOSITE_COMPONENT_B		The type of bar code or codes, which are visible on a trade item.		O	
		COMPOSITE_COMPONENT_C		The type of bar code or codes, which are visible on a trade item.		O	
		EAN_8_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
		EAN_13_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
		ITF_14_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_14		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_14_STACKED		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_14_STACKED_OMNIDIRECTIONAL		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_14_TRUNCATED		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_EXPANDED		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_EXPANDED_STACKED		The type of bar code or codes, which are visible on a trade item.		O	
		RSS_LIMITED		The type of bar code or codes, which are visible on a trade item.		O	
		UPC_A_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
		UPC_E_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
		UCC_EAN_128_SYMBOL		The type of bar code or codes, which are visible on a trade item.		O	
BrandOwnerOfTradeItem				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItem components.xsd
			brandOwner	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.	1/35	O	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			nameOfBrandOwner	Name of the party who owns the brand of the trade item. Mandatory when brandOwner Party identification is provided	1/35	O	
ChildTradeItem				TBD		M	
			quantityOfNextLowerLevelTradeItem	The number of next lower level trade item that this trade item contains.	1/6	M	
			tradeItemIdentificationOfNextLowerLevelTradeItem	A reference to the GTIN of the next lower level of trade item that this trade item contains	1/14	M	
ClassificationCategory				TBD		O	TradeItemComponents.xsd
			additionalClassificationAgencyName	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	1/35	O	
			additionalClassificationCategoryCode	Category code based on alternate classification schema chosen in addition to EAN/UCC classification schema.	1/15	O	
			additionalClassificationCategoryDescription	Description of the additional classification bundle (code/agency + description).	1/70	O	
CommonAlternateTradeItemIdentification				TBD			Identification.xsd
			value	The default value to be used for the field when that field is not present in the file.	1/80	M	
	type			This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.		M	
CountryISOCODE				Extended Data Type			
CountrySubDivisionCode				Extended Data Type			
CurrencyISOCODE				Extended Data Type			
Description				The Description Class contains two attributes, one is language and the other is text.		M	Components.xsd

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			language	The language for text is identified using a two-character code from the ISO 639-1988 list.	2/6	M	
			text	TBD	1/70	O	
Document				This Class identifies the document that is being sent.		M	Component s.xsd
			contentVersion	This is a version number for the content of the document. For example, an item and its attributes can be revised over time.		O	
			creationDate	ISO 8601 format CCYY-MM-DDTHH:MM:SS Document creation date and time.		M	
			documentStructureVersion	This is a version number for the structure of the document		O	
			lastUpdateDate	ISO 8601 format CCYY-MM-DD. Refers to the last update for the specific document.		O	
	documentStatus			This is a role within the Document Class			
DocumentStatusList				This class is an enumeration list for the document status role within the Document Class.		M	Component s.xsd
		COPY		Indicates if the document is a copy or original.		M	
		ORIGINAL		Indicates if the document is a copy or original.		M	
EANUCCTradeItemClassification				TBD			TradeItemc omponents. xsd
			eANUCCClassificationAttributeTypeCode	Unique 8 digit code which identifies the Global EAN.UCC classification attribute.	8	O	
			eANUCCClassificationAttributeTypeDefinition	System generated explanation of Global EAN.UCC attribute.	1/700	O	
			eANUCCClassificationAttributeTypeName	The system generated text equivalent of the Global EAN.UCC classification attribute code	1/105	O	
EANUCCTradeItemClassificationValue				TBD		M	TradeItemc omponents. xsd

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			eANUCCClassificationAttributeValueCode	Unique 8 digit code which identifies the Global EAN.UCC classification attribute value.	8	O	
			eANUCCClassificationAttributeValueName	The system generated text equivalent of the Global EAN.UCC classification attribute value code.	1/105	O	
EntityIdentification				This class is part of the Common Library, Entity Identification		M	Identification.xsd
			uniqueCreatorIdentification	Unique Creator Identification	1/80	M	
	contentOwner			This is a role from the EntityIdentification class. Its destination class is PartyIdentification			
FMCGTradeItemIdentificationList				Fast Moving Consumer Goods specific Class		O	
			ISBN_NUMBER	Number assigned by the International Standard Book Number Agency.	1/10	O	
			ISSN_NUMBER	Number assigned by the International Standard Book Number Agency.	1/10	O	
			LOTTERY_GAME_NUMBER	Lottery Game Number		O	
			LOTTERY_PACK_BOOK_NUMBER	Lottery Pack/Book Number		O	
			MANUFACTURER_PART_NUMBER	Manufacturer Part Number		O	
			NABCA_PRODUCT_CODE	National Alcohol Beverage Control Association Product Code		O	
FMCGTradeItemMarking				Fast Moving Consumer Goods specific Class		O	
			isIngredientIrradiated	Indicates if radiation has been applied to a trade item's ingredient.	1/1	M	
			isRawMaterialIrradiated	Indicates if radiation has been applied to a trade item's raw material.	1/1	M	
			isTradeItemGeneticallyModified	Used to indicate whether trade item contains genetically modified contents.	1/1	M	
			isTradeItemIrradiated	Indicates if radiation has been applied to an trade item	1/1	M	
FMCGTradeItemMeasurements				Fast Moving Consumer Goods specific Class		O	
			degreeOfOriginalWeight	Specification of the degrees of original	3	O	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			ort	wort.			
			fatPercentageInDry Matter	The amount of fat contained in the base product expressed in percentage.	3.2	O	
			percentageOfAlcoholByVolume	Percentage of alcohol contained in the base unit trade item.	3.2	O	
GlobalLocationNumber				This class is one of the two classes within the Party Identification Class		M	
	gLN			This is a role from the PartyIdentification Class	13		
GlobalTradeItemNumber				This class is one of the two classes within the Trade Item Identification Class		M	
	gTIN			This is a role from the TradeItemIdentification class	14		
			globalTradeItemNumber	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (product or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	14	O	
InformationProvider				This class is part of the Trade Item Information Class		M	TradeItemComponents.xsd
			informationProvider	Unique location number identifying the information owner. E.g. Distributor, broker, Manufacturer, Franchisee. This is not a third party service provider. The purpose of this field is to identify the originator of the data. Example Trade Item A - is available to retailer B from manufacturer C or distributor D. The retailer could receive information from both sellers and this field declares the information owner.	1/35	M	
			nameOfInformationProvider	Name of the party who owns the data. Name of the information provider on the trade item. Mandatory when informationProvider is provided	1/35	O	
ISO3166_1Code				Extended Data Type			

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

ISO3166_2Code				Extended Data Type			
Language				Extended Data Type			
LongDescription				The Long Description class contains two attributes, one is language and the other is long text.		M	TradeItemComponents.xsd
			language	The language for text is identified using a two-character code from the ISO 639-1988 list.	2/6	M	
			longText	TBD	1/1000	O	
LongTextDescription				The Long Text Description Class contains one or more Long Description Classes. It allows for multiple combinations of language and longtext.		O	TradeItemComponents.xsd
ManufacturerOfTradeItem				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			manufacturer	GLN (or AlternatePartyIdentification) identifying the manufacturer of a trade item. May or may not be the brand owner, could be a contract manufacturer. GLN or(AlternatePartyIdentification) identifying manufacturer of a trade item: this is repeatable field.	1/35	O	
			nameOfManufacturer	Descriptive name of the manufacturer of the trade item.	1/35	O	
MaterialSafetyData				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			materialSafetyDataSheet	Indicates whether there exists a material safety data sheet for the trade item. This is a data sheet with the most important characteristics, protected measures and regulations to be adhered to when handling this trade item. It is relevant above all for dangerous substances. Information required when dangerousGoodsIndicator equals Y.	1/1	M	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			materialSafetyDataSheetNumber	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".	1/20	D	
Measurement				This class is part of the Common Library Components			Component s.xsd
MeasurementValue				This class is within the Common Class Measurement		M	Component s.xsd
			unitOfMeasure	UN/ECE Recommendation 20. Unit of measure code.	3/3	M	
MonetaryAmount				This class is part of the Common Library Components			Component s.xsd
NextLowerLevelTradeItemInformation				This class originates in the root class TradeItem		M	
			quantityOfChildren	Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs.	1/10	M	
			totalQuantityOfNextLowerLevelTradeItem	This represents the Total quantity of next lower level trade items that this trade item contains.	6	M	
OrganicTradeItemCharacteristics				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemc omponents. xsd
			organicClaimAgency	A Governing body that creates and maintains standards related to organic products.	1/35	O	
			organicTradeItemCode	Used to indicate the organic status of a trade item or of one or more of its components.	1/35	O	
PackagingMarking				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradeItemc omponents. xsd
			isBarcodeOnThePackage	Indication if the trade item is physically bar-coded with the primary trade item identification number. This is a y/n (Boolean) where Y equals trade item is bar-coded.	1/1	M	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			isPackagingMarkedAsRecyclable	The package of this GTIN is marked to indicate that it is recyclable. This is a y / n (Boolean) where Y equals trade item is recyclable. Applies to recyclable packaging with or without deposit.	1/1	M	
			isPackagingMarkedReturnable	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	M	
			isPackagingMarkedWithExpirationDate	Indicates if the packaging of the trade item has a freshness date, sell by date, or use by date stamped on or imprinted. This is a y/n (Boolean) where y equals packaging of the trade item has a freshness date stamped on or imprinted.	1/1	O	
			isPackagingMarkedWithGreenDot	Trade item packaging marked with green point indicator. Law in several European countries mandates it. This is a yes/no (Boolean) where yes equals marked with a green point indicator.	1/1	O	
			isPackagingMarkedWithIngredients	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.	1/1	O	
PackagingMaterial				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			packagingMaterialCode	Code source needs to be defined. Currently a European Union table of code lists exists for this requirement. The code list required to identify the packaging material of the trade item.	1/3	O	
			packagingMaterialCodeListMaintenanceAgency	Agency needs to be defined. The agency or agencies controlling the packaging code lists of each country. Mandatory if packaging material code is populated.	1/35	D	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			packagingMaterial CompositionQuantity	The quantity of the packaging of the trade item. Can be weight, volume or surface, can vary by country.	15	D	
			packagingMaterial 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 defined in the Trade Item BRD.	1/70	D	
			packagingTermsAnd Conditions	Indicates if the packaging given in the described packaging configuration is a rented,exchangeable, against deposit or one way/not reuseable.	1/3	O	
PackagingType				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemc omponents. xsd
			packagingTypeCod e	The code identifying the type of package used as a container of the trade item.	1/3	O	
			packagingTypeDes cription	System generated text description of the type of packaging used for the trade item.	1/35	O	
PartyIdentification				This class indicates that there is a choice of selecting either a GLN (Recommended) or Alternate Party Identification as your primary party identification.		M	Identificatio n.xsd
PaymentTerms				This is a reusable class referenced in the Item BRD as part of the Trade Item Information class. See EAN.UCC Business Message Standard for Payment Terms Extension, July 2001		O	Terms.xsd
PriceOnTradeItem				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemc omponents. xsd

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			priceOnPackIndicator	Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider. This is a y/n (Boolean) where y equals pricing on the trade item. If marked yes, then the retailPriceOnTradeItem must also be given.	1/1	M	
			retailPriceOnTradeItem	The retail price as marked on the trade item package. This field is dependent on a value of "yes" for field priceOnPackIndicator.	18	O	
PrivateInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			isTradeItemInformationPrivate	Indicator to qualify whether master data is publicly available to any inquirer or is restricted to specific private user. This is a y/n (Boolean) where y equals non-public. If yes, then must have associated PARTY ID for whom the information is intended.	1/1	M	
			partyReceivingPrivateData	Unique location number identifying the party who is allowed access to the information by the data owner.	1/35	D	
TargetMarketInformation				The class is part of Trade Item Common			TradeItemComponents.xsd
			targetMarketCountryCode	The target market code indicates the country level or higher geographical definition in which the information provider will make the GTIN available to buyers. This Indicator does not in any way govern where the buyer may re-sell the GTIN to consumers.	1/3	O	

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

			targetMarketDescription	The name for the specific target market identified with the Target Market Country Code . Target market description is composed of both text and a language code. The description will be generated from the ISO 3166-1 code list. The language code will be generated from the ISO 639 code list. 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.	1/70	D	
			targetMarketSubdivisionCode	The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a country" where the trade item is available for sale, as determined by the information provider. For example, "State" in the US, "Land" in Germany, "Region" in France, or "Province" in Canada. Not all countries have subdivisions. This code is represented by the three-character ISO 3166-2 code. This Target Market Subdivision Code is a dependent attribute. It is important to note that the lack of the Target Market Subdivision code implies that the trade item is available in the entire target market country.	1/7	D	
TaxAgency				This class is part of Trade Item Tax Information Class		M	TradeItemComponents.xsd
			taxAgencyCode	Identifies the agency responsible for the tax code list	1/3	O	
			taxTypeCode	Identification of the type of duty or tax or fee applicable to the trade item.	1/14	O	

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			taxTypeDescription	Automatically generated text description of tax type code.	1/35	O	
TextDescription				This class is part of the Common Library Components			Components.xsd
TimeZone				Extended Data Type			
TradeItem				Trade Item is the root class within the TradeItemDocument		M	TradeItem.xsd
	replacedTradeItemIdentification			This is a role from the Trade Item class			
	tradeItemUnitDescriptor			This is a role from the Trade Item class			
TradeItemClassification				This is a class from the Trade Item Information Class		O	TradeItemComponents.xsd
			classificationCategoryCode	Global EAN.UCC classification category code. Unique, permanent 10-digit key.	10	O	
			classificationCategoryDefinition	System generated explanation of Global EAN.UCC category	1/700	D	
			classificationCategoryName	The system generated text equivalent of the Global EAN.UCC classification category code.	1/105	D	
	additionalClassification			This is a role from the Trade Item Classification Class. The destination class is ClassificationCategory			
TradeItemColorDescription				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			colorCodeListAgency	The parties controlling the color code lists. Dependent on color code value.	1/3	D	
			colorCodeValue	The code list required to identify the color of the trade item. No ISO standards exist. Each industry needs to determine which code agency is will use.	1/20	O	

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			colorDescription	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. See Sectionn 4.4 of the Implementation Considerations and Concerns for more details. 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.	1/70	O	
TradeItemCountryOfOrigin				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradeItemcomponents.xsd
			countryOfOrigin	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 may or may not be presented on the trade item label.	3	O	
TradeItemCoupon				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemcomponents.xsd
			couponFamilyCode	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.	3	O	
TradeItemDateInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradeItemcomponents.xsd
			canceledDate	Communicates cancelation of the launch 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.	8	O	

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			consumerAvailabilityDateTime	The first date/time that the buyer is allowed to sell the trade item to consumers. Usually related to a specific geography. ISO 8601 date format CCYY-MM-DDTHH:MM:SS.	15	O	
			discontinuedDate	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).	8	O	
			effectiveDate	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.	8	M	
			endAvailabilityDateTime	The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services.	15	O	
			lastChangeDateTime	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.	15	M	
			publicationDate	A date on which all static data associated with the trade item becomes available for viewing and synchronization.	8	M	
			startAvailabilityDateTime	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.	15	M	
TradeItemDescriptionInformation				This class is part of the Trade Item Information Class		M	TradeItemComponents.

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							xsd
			additionalTradeItemDescription	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Color, and Fragrance. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-350, as defined in the Trade Item BRD.	1/1000	O	
			brandName	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	1/35	M	
			descriptionShort	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, as defined in the Trade Item BRD.	1/70	O	
			functionalName	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, as defined in the Trade Item BRD.	1/70	M	

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			invoiceName	Free form information provider assigned trade item description designed to match trade item/service description as noted on invoices. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	1/70	O	
			productRange	A name, used by a BrandOwner, that span multiple consumer categories or uses. E.g. (Waist Watchers)	1/35	O	
			subBrand	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand.	1/35	O	
			tradeItemDescription	The concatenated product description of a product or service. This is a derived attribute resulting from the concatenation of 4 other attributes of up to 35 characters each (seeSection 4.7 of the Implementation Considerations and Concerns.). 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.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, 1-143, as defined in the Trade Item BRD.	1/1000	M	
			tradeItemFormDescription	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	1/35	O	

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				distinct from the form of the packaging.			
			tradeItemGroupIdentificationCode	A code assigned by the supplier or manufacturer to logically group trade item independently from the Global trade item Classification.	1/20	O	
			tradeItemGroupIdentificationDescription	The text description of the value represented by the trade itemGroupIDCode	1/35	D	
			variant	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 flavor, 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.	1/70	O	
TradeItemDocument				This is the root class of the Trade Item Message		M	TradeItem.xsd
	tradeItemDocumentIdentification			This is a role from the TradeItemDocument root class. The destination class is EntityIdentification.			
TradeItemHandlingInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			handlingInstructionsCode	Defines the information and processes needed to safely handle the trade item. Handling instructions is composed of both text and a language code. The language for text is specified using the two digit ISO 639-1988 list, for example, English is EN and French is FR. The schema uses common library component as shown in the GDD Max Size field. For the business requirements for item, please use the	1/70	O	

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				specific definition of this data type and field, 1-5, as defined in the Trade Item BRD.			
			minimumTradeItemLifespanFromTimeOfArrival	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.	1/4	O	
			stackingFactor	A factor that determines the maximum stacking for the product. Indicates the number of levels the product may be stacked.	1/6	O	
			stackingWeightMaximum	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.	15	O	
TradeItemHazardousInformation				This reusable class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			classOfDangerousGoods	Dangerous goods classification of the trade item. There are 9 danger classes, some classes are further subdivided into subclasses. "Class" number explains in general terms the nature and properties of the goods and serves to classify them together in terms of their most significant risk.	1/4	D	

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			dangerousGoodsAMarginNumber	Information, whether for the base trade item or further packaging trade item a dangerous goods a-margin number does exist in the European dangerous goods agreements (and in the respective national dangerous goods legislation), thus facilitations for the transport of defined limited quantity by road or rail are possible or not. If they are possible, they must be indicated, whether they are used by the data supplier.	1/30	D	
			dangerousGoodsHazardousCode	Dangerous goods hazard ID number, which must be applied to the vehicle, when transporting this trade item (dangerous good) by road or rail, to inform the police, the fire brigade and others in case of an accident about the kind of danger caused by the cargo.	1/10	D	
			dangerousGoodsIndicator	Indication, whether the trade item and/or at least one of its packaging components because of its properties - according to the respective national or international legislation for transport by road, rail, river, sea or air (e.g. the European dangerous goods agreements (ADR/RID) for transport by road and rail) - must be classified as dangerous good, and thus is subject to the respective regulations.	1/1	M	
			dangerousGoodsPackagingGroup	Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations	1/3	D	
			dangerousGoodsRegulationCode	Code indicating the classification system(s) of dangerous goods and/or the Agency(ies) responsible for it.	1/3	D	
			dangerousGoodsShippingName	Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names	1/200	O	

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			dangerousGoodsTechnicalName	Chemical term of the trade item, listed by name and allowed in the substance list of GGVS (Dangerous Goods Ordinance for Roads) or GGVE (Dangerous Goods Ordinance for Rail). This is composed of both text and a language code. The language for text is specified using the two-digit ISO 639 list. 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, 1-200, as defined in the Trade Item BRD.	1/1000	D	
			flashPointTemperature	The lowest temperature at which a substance gives off a sufficient vapor to support combustion. This uses a measurement consisting of a unit of measure and value.	15	D	
			unitedNationsDangerousGoodsNumber	The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number	1/4	D	
TradeItemHierarchy				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemcomponents.xsd
			quantityOfCompleteLayersContainedInATradeItem	The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit.	1/6	O	
			quantityOfInnerPacks	Indicates the number of non-coded physical groupings (innerpacks) of next lower level trade items within the current GTIN level.	1/3	O	
			quantityOfLayersPerPallet	The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or retailer preferences.	6	O	

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			quantityOfNextLevelTradeItemWithinInnerPack	Indicates the number of next lower level trade items contained within the physical non-coded grouping (innerpack)	1/3	O	
			quantityOfTradeItemsContainedInACompleteLayer	The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit.	1/6	O	
			quantityOfTradeItemsPerPallet	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.	6	O	
			quantityOfTradeItemsPerPalletLayer	The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or retailer preferences.	6	O	
TradeItemIdentification				This class indicates that there is a choice of selecting either a GTIN (Recommended) or Alternate Trade Item Identification as your primary trade item identification.		M	Identification.xsd
	additionalTradeItemIdentification			This is a role from the Trade Item Identification class. The destination class is AlternateTradeItemIdentification			
	gTIN			This is a role from the Trade Item Identification class. The destination class is GlobalTradeItemNumber			
			alternateTradeItemIdentification	This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.			
TradeItemInformation				This class is part of the Trade Item Class		M	TradeItemComponents.xsd
	classificationCategoryCode			This is a role from the TradeItemInformation class. The destination class is TradeItemClassification			

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	informationProviderOfTradeItem			This is a role from the TradeItem Information class. The destination class is InformationProvider			
TargetMarketInformation				This is a reusable class from Trade Item Common and referenced as part of the Trade Item Information class		O	TradeItemComponents.xsd
TradeItemMarking				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradeItemComponents.xsd
			hasBatchNumber	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.	1/1	O	
			isNonSoldTradeItemReturnable	Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.	1/1	O	
			isTradeItemMarkedAsRecyclable	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	1/1	O	
TradeItemMeasurements				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradeItemComponents.xsd
			depth	The measurement from front to back of the trade item.	15	M	
			diameter	The measurement of the diameter of the trade item at its largest point.	15	O	
			drainedWeight	The weight of the trade item when drained of its liquid.	15	O	
			genericIngredient	Used, for pharmaceutical trade item to describe 1 or many generic ingredients	1/35	O	

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				within the trade item.			
			genericIngredientStrength	Used, for pharmaceutical trade item to define the strength of each generic ingredient in a trade item or unit volume of the trade item.	15	O	
			grossWeight	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.	15	O	
			height	The measurement of the height of the trade item. The vertical dimension from the lowest extremity to the highest extremity, including packaging. At a pallet level the trade itemHeight will include the height of the pallet itself.	15	M	
			ingredientStrength	Used for pharmaceutical trade item to define the strength of each ingredient in a trade item or unit volume of the trade item.	1/18	O	
			isNetContentDeclarationIndicated	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	1/1	O	
			netContent	The amount of the trade item contained by a package, as claimed on the label.	15	O	
			netWeight	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.	15	O	
			pegHorizontal	Used to indicate the horizontal distance from the edge of the trade item to the center of the hole into which the peg is inserted when the trade item is displayed on a pegboard.	15	O	

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			pegVertical	Used to indicate the vertical distance from the edge of the trade item to the center of the hole into which the peg is inserted when the trade item is displayed on a pegboard. The hole into which the peg is inserted when the trade item is displayed on a pegboard. The measurement is always taken from the top edge of the trade item to the hole.	15	O	
			width	The measurement from left to right of the trade item.	15	M	
TradeItemOrderInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			orderingLeadTime	The normal delivery time measured from receipt of order by the seller until trade item is shipped by the seller.	15	O	
			orderQuantityMaximum	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.	9	O	
			orderQuantityMinimum	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.	9	O	
			orderQuantityMultiple	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.	9	O	
			orderSizingFactor	A trade item specification other than gross, net weight, or cubic feet for a line trade item or a transaction, used for order sizing and pricing purposes. For example, factors may be used to cube a truck, reflecting different weights, and dimensions of trade item.	9	O	

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TradeItemPalletInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			palletTermsAndConditions	Indicates if the pallet in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not reusable).	1/2	O	
			palletTypeCode	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.	1/3	O	
TradeItemPriceDateInformation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
	cataloguePrice			Represented by UML role. The gross price before application of any discounts, allowances, charges, taxes, etcetera. The value represented is the price that the manufacturer expects to receive for the trade item or service from any buyer prior to any relationship specific negotiations (E.g. a public catalogue population).	18	O	
			effectiveEndDate	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 effective until further notice. Examples of invalid dates include 99/99/9999, 00/00/0000, blank, etc. These invalid end dates should not be communicated. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, last order date, last ship date, and last arrival date.	8	O	

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			effectiveStartDate	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.	8	D	
			suggestedRetailPrice	Represented by UML role. 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. May be used as a guideline by the retailer to establish their actual retail price.	18	O	
			value	The default value to be used for the field when that field is not present in the file.	18	M	
TradeItemSizeDescription				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradeItemComponents.xsd
			descriptiveSize	An alphanumeric size factor the brand owner wishes to communicate to the consumer. IE Jumbo, Capri, Full Length, Maxi For the business requirements for item, please use the specific definition of this data type and field, 1-35, as defined in the Trade Item BRD.	1/70	O	
			sizeCodeListAgency	The parties controlling the size code list. Dependent on size code value.	1/3	D	
			sizeCodeValue	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)	1/20	O	

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TradelItemTaxInformation				This reusable class from Trade Item Tax Information is part of the Trading Partner Neutral Trade Item Information Class		O	TradelItemC omponents. xsd
TradelItemTaxAmount				This class is part of the TradelItem Tax Information class		M	TradelItemC omponents. xsd
			taxAmount	The current tax or duty or fee amount applicable to the trade item.	18	O	
TradelItemTaxRate				This class is part of the TradelItem Tax Information class			TradelItemC omponents. xsd
			taxRate	The current tax or duty rate percentage applicable to the trade item.	3.2	O	
TradelItemTemperatureInf ormation				This class is part of the Trading Partner Neutral Trade Item Information Class		O	TradelItemC omponents. xsd
			deliveryToDistributi onCenterTemperat ureMaximum	Permitted maximum temperature of the trade item on transport to the distribution center.	15	O	
			deliveryToDistributi onCenterTemperat ureMinimum	Permitted minimum temperature of the trade item on transport to the distribution center.	15	O	
			deliveryToMarketT emperatureMaximu m	Permitted maximum temperature of the trade item during delivery to market.	15	O	
			deliveryToMarketT emperatureMinimu m	Permitted minimum temperature of the trade item during delivery to market to market.	15	O	
			storageHandlingTe mperatureMaximu m	The maximum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.	15	O	
			storageHandlingTe mperatureMinimum	The minimum temperature at which the trade item can be stored. This uses a measurement consisting of a unit of measure and a value.	15	O	
TradelItemUnitIndicator				This class is part of the Trading Partner Neutral Trade Item Information Class		M	TradelItemC omponents. xsd

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			isTradeItemABaseUnit	An indicator identifying the trade item as the base unit level of the trade item hierarchy. This is y/n (Boolean) where y indicates the trade item is a base unit.	1/1	M	
			isTradeItemAConsumerUnit	Identifies whether the current hierarchy level of a trade item is intended for a ultimate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf planning and for front end POS databases. This value reflects the intention of the Information Provider which may not necessarily be reflected by the retailer.	1/1	M	
			isTradeItemADespatchUnit	An indicator identifying that the information provider considers the trade item as a despatch (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 despatch unit..	1/1	M	
			isTradeItemAnInvoiceUnit	An indicator identifying that the information provider will include this trade item on their billing or invoice. This may be relationship dependent based on channel of trade or other point to point agreement. This is y/n (Boolean) where y indicates the trade item is an invoicing unit.	1/1	M	
			isTradeItemAnOrderableUnit	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	M	

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			isTradeltemAVariableUnit	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	M	
TradeltemUnitDescriptorList				This enumeration list is part of the Trade Item Class		M	
			tradeltemUnitDescriptor	Represented by UML role.. Describes the hierarchical level of the trade item. See implementation notes for full definition and rules for each value.	1/35	M	
		BASE_UNIT_OR_EACH		enumeration list value from the TradeltemUnitDescriptorList	O		
		CASE		enumeration list value from the TradeltemUnitDescriptorList	O		
		DISPLAY_SHIPPER		enumeration list value from the TradeltemUnitDescriptorList	O		
		MIXED_MODULE		enumeration list value from the TradeltemUnitDescriptorList	O		
		MULTIPACK		enumeration list value from the TradeltemUnitDescriptorList	O		
		PACK_OR_INNER_PACK		enumeration list value from the TradeltemUnitDescriptorList	O		
		PALLET		enumeration list value from the TradeltemUnitDescriptorList	O		
		PREPACK		enumeration list value from the TradeltemUnitDescriptorList	O		
		PREPACK_ASSORTMENT		enumeration list value from the TradeltemUnitDescriptorList	O		
		SETPACK		enumeration list value from the TradeltemUnitDescriptorList	O		
TradingPartnerNeutralTradeltemInformation				This is a class from the TradeltemInformation class.			TradeltemComponents.xsd
	barCodeType			This is a role from the Trading Partner Neutral TradeltemInformation Class. The Destination is the enumerated list BarCode TypyList			

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	BrandOwnerOfTradeltem			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	cataloguePrice			This is a role from the Trading Partner Neutral TradeltemInformation Class. The Destination class is TradeltemPriceDateInformation			
	ManufacturerOfTradeltem			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	MaterialSafetyData			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	OrganicTradeltemCharacteristics			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	PackagingMarking			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
	PackagingMaterial			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	Packagingtype			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	PriceOnTradeltem			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	PrivateInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	suggestedRetailPrice			This is a role from the Trading Partner Neutral TradeltemInformation Class. The Destination class is TradeltemPriceDateInformation			
	TradeltemColorDescription			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemCountryOfOrigin			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
	TradeltemCoupon			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemDateInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
	TradeltemHandlingInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemHazardousInformation			This reusable class is part of the Trading Partner Neutral TradeltemInformation Class		O	

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	TradeltemHierarchy			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemMarking			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
	TradeltemMeasurements			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
	TradeltemOrderInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemPalletInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemSizeDescription			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemTaxInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemTemperatureInformation			This class is part of the Trading Partner Neutral TradeltemInformation Class		O	
	TradeltemUnitIndicator			This class is part of the Trading Partner Neutral TradeltemInformation Class		M	
Version				Extended Data Type			

Instance File

Description

The Instance File is an example of what the schema may look like when it includes live data. This can be used as comparison to a completed schema and can serve as a point of reference for development.

Instance File Example

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="4_XSL/Main.xsl"?>
<!-- This is a sample file -->
<eanucc:envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:eanucc="http://www.ean-ucc.org/schemas/1.3.1/eanucc" xsi:schemaLocation="http://www.ean-ucc.org/schemas/1.3.1/eanucc ../2_XSD_PROXY/TradeItemProxy.xsd" communicationVersion="1.3.1">
  <messageHeader creationDate="2003-03-11T10:00:00">
    <userId>yummyfood</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000010</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>yummyfood-27785-TRANS</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0012345000010</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>yummyfood-ITEM-27785</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0012345000010</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
```

EAN.UCC Business Message Standard: Data Synchronization Data Model for Trade Item
(Data Definition)

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<eanucc:tradeItemDocument contentVersion="1.3.1"
documentStructureVersion="1.3.1" lastUpdateDate="2003-02-26" creationDate="2003-03-17T10:00:00"
documentStatus="ORIGINAL">
  <tradeItemDocumentIdentification>
    <uniqueCreatorIdentification>yummyfood-
27785</uniqueCreatorIdentification>
    <contentOwner>
      <gln>0012345000010</gln>
    </contentOwner>
  </tradeItemDocumentIdentification>
  <tradeItem>
    <tradeItemUnitDescriptor>CASE</tradeItemUnitDescriptor>
    <tradeItemIdentification>
      <gtin>61414100000012</gtin>
    </tradeItemIdentification>
    <replacedTradeItemIdentification>
      <gtin>00123456555334</gtin>
    </replacedTradeItemIdentification>
    <nextLowerLevelTradeItemInformation>
      <quantityOfChildren>2</quantityOfChildren>

    <totalQuantityOfNextLowerLevelTradeItem>10</totalQuantityOfNextLowerLevelTradeItem>
    <childTradeItem>

    <quantityOfNextLowerLevelTradeItem>5</quantityOfNextLowerLevelTradeItem>
    <tradeItemIdentification>
      <gtin>00123456556331</gtin>
    </tradeItemIdentification>
    <childTradeItem>

    <quantityOfNextLowerLevelTradeItem>5</quantityOfNextLowerLevelTradeItem>
    <tradeItemIdentification>
      <gtin>00123456556997</gtin>
    </tradeItemIdentification>
    <childTradeItem>
    </nextLowerLevelTradeItemInformation>
  <tradeItemInformation>
    <allowanceCharge allowanceChargeType="ALLOWANCE_GLOBAL"
sequenceNumber="1" settlementType="CHARGE_TO_BE_PAID_BY_CUSTOMER"
effectiveDateType="EFFECTIVE_DATE" allowanceOrCharge="ALLOWANCE">
      <allowanceChargePriceBracket>
        <bracketIdentifier>TOP</bracketIdentifier>
      </allowanceChargePriceBracket>
      <monetaryAmountOrPercentage>
        <amount currencyISOCode="USD">20</amount>
      </monetaryAmountOrPercentage>
      <baseAmount>
        <amount currencyISOCode="USD">20</amount>
      </baseAmount>
      <description>
        <description language="EN">
          <text>Qt. of Yummy Cola</text>
        </description>
      </description>
    </allowanceCharge>
    <informationProviderOfTradeItem>
      <informationProvider>
        <gln>0012345000065</gln>
      </informationProvider>
      <nameOfInformationProvider>ACME
Drinks</nameOfInformationProvider>
    </informationProviderOfTradeItem>
    <paymentTerms paymentTermsType="BASIC_(NET)"
paymentTermsEvent="ANTICIPATED_DELIVERY_DATE">
```

```

<netPayment>
  <paymentTimePeriod>
    <timePeriodDue timePeriod="DAYS">
      <value>30</value>
    </timePeriodDue>
  </paymentTimePeriod>
</netPayment>
<installmentDue>

<percentageOfPaymentDue>3.14</percentageOfPaymentDue>
  <paymentTimePeriod>
    <timePeriodDue timePeriod="DAYS">
      <value>30</value>
    </timePeriodDue>
  </paymentTimePeriod>
</installmentDue>
<discountPayment discountType="PRE">
  <discountDescription>
    <description language="EN">
      <text>Discounted to preferred customers.</text>
    </description>
  </discountDescription>
  <paymentTimePeriod>
    <timePeriodDue timePeriod="DAYS">
      <value>30</value>
    </timePeriodDue>
  </paymentTimePeriod>
</discountPayment>
<proximoCutOffDay>
  <value>30</value>
</proximoCutOffDay>
</paymentTerms>
<targetMarketInformation>
  <targetMarketCountryCode>123</targetMarketCountryCode>
  <targetMarketDescription language="EN">
    <text>France, Auvergne</text>
  </targetMarketDescription>
</targetMarketInformation>
<targetMarketSubdivisionCode>ABCDEFG</targetMarketSubdivisionCode>
<classificationCategoryCode>
  <classificationCategoryDefinition>Includes any products that can
be non-perishable, carbonated beverages that has etc...</classificationCategoryDefinition>
  <classificationCategoryName>Juice Drinks
(perishable)</classificationCategoryName>
  <eANUCCTradeItemClassification>

  <eANUCCClassificationAttributeTypeCode>20000345</eANUCCClassificationAttributeTypeCode>
    <eANUCCClassificationAttributeTypeName>Carbonated non
alcoholic beverage</eANUCCClassificationAttributeTypeName>
    <eANUCCClassificationAttributeTypeDefinition>Includes any
product that can be described as non-perishable, carbonated beverages that has
etc...</eANUCCClassificationAttributeTypeDefinition>
    <eANUCCTradeItemClassificationValue>

    <eANUCCClassificationAttributeValueCode>155</eANUCCClassificationAttributeValueCode>

    <eANUCCClassificationAttributeValueName>Drinks</eANUCCClassificationAttributeValueName>
      <eANUCCTradeItemClassificationValue>
        <eANUCCTradeItemClassification>
          <classificationCategoryCode>
            <tradeItemDescriptionInformation>
              <brandName>Yummy-Cola</brandName>

```

```

<descriptionShort>
  <description language="EN">
    <text>Liters</text>
  </description>
</descriptionShort>
<functionalName>
  <description language="EN">
    <text>Drink</text>
  </description>
</functionalName>
<tradeItemDescription>
  <longDescription language="EN">
    <longText>Yummy-Cola Classic Diet</longText>
  </longDescription>
</tradeItemDescription>
<additionalTradeItemDescription>
  <longDescription language="EN">
    <longText>Yummy-Cola Lemon scented big
size</longText>
  </longDescription>
</additionalTradeItemDescription>
<invoiceName>
  <description language="EN">
    <text>Yummy-Cola Classic Diet</text>
  </description>
</invoiceName>
<productRange>Waist Watchers</productRange>
<subBrand>Classic</subBrand>

<tradeItemGroupIdentificationCode>033200011101</tradeItemGroupIdentificationCode>
<tradeItemGroupIdentificationDescription>
  <description language="EN">
    <text>Yummy-Cola Classic</text>
  </description>
</tradeItemGroupIdentificationDescription>
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<variant>
  <description language="EN">
    <text>Lemon</text>
  </description>
</variant>
</tradeItemDescriptionInformation>
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  <tradeItemUnitIndicator>
    <isTradeItemABaseUnit>1</isTradeItemABaseUnit>
    <isTradeItemAConsumerUnit>1</isTradeItemAConsumerUnit>
    <isTradeItemADespatchUnit>0</isTradeItemADespatchUnit>
    <isTradeItemAnInvoiceUnit>0</isTradeItemAnInvoiceUnit>

    <isTradeItemAnOrderableUnit>0</isTradeItemAnOrderableUnit>
    <isTradeItemAVariableUnit>0</isTradeItemAVariableUnit>
  </tradeItemUnitIndicator>

  <barCodeType>RSS_14_STACKED_OMNIDIRECTIONAL</barCodeType>
  <brandOwnerOfTradeItem>
    <brandOwner>
      <gln>0012345000065</gln>
    </brandOwner>
    <nameOfBrandOwner>ACME Drinks Corporate
office</nameOfBrandOwner>
  </brandOwnerOfTradeItem>
  <manufacturerOfTradeItem>
    <manufacturer>
      <gln>0012345000069</gln>
    </manufacturer>

```

```

Plant</nameOfManufacturer>
    <nameOfManufacturer>ACME Drinks Manufacturing
    </manufacturerOfTradeItem>
    <materialSafetyData>

    <materialSafetyDataSheetNumber>ag34784</materialSafetyDataSheetNumber>
    </materialSafetyData>
    <organicTradeItemCharacteristics>
    <organicClaimAgency>XYX Agency</organicClaimAgency>
    <organicTradeItemCode>05</organicTradeItemCode>
    </organicTradeItemCharacteristics>
    <packagingMarking>

    <isPackagingMarkedAsRecyclable>1</isPackagingMarkedAsRecyclable>

    <isPackagingMarkedReturnable>0</isPackagingMarkedReturnable>

    <isPackagingMarkedWithExpirationDate>1</isPackagingMarkedWithExpirationDate>

    <isPackagingMarkedWithGreenDot>1</isPackagingMarkedWithGreenDot>

    <isPackagingMarkedWithIngredients>1</isPackagingMarkedWithIngredients>
    </packagingMarking>
    <packagingMaterial>
    <packagingMaterialCode>GL</packagingMaterialCode>

    <packagingMaterialCodeListMaintenanceAgency>String</packagingMaterialCodeListMaintenanceAge
ncy>
    <packagingMaterialCompositionQuantity>
    <measurementValue>
unitOfMeasure="g">15</measurementValue>
    </packagingMaterialCompositionQuantity>
    <packagingMaterialDescription>
    <description language="EN">
    <text>Glass</text>
    </description>
    </packagingMaterialDescription>

    <packagingTermsAndCondition>707</packagingTermsAndCondition>
    </packagingMaterial>
    <packagingType>
    <packagingTypeCode>123</packagingTypeCode>

    <packagingTypeDescription>Bottle</packagingTypeDescription>
    </packagingType>
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    <retailPriceOnTradeItem>
currencyISOCode="EUR">36</retailPriceOnTradeItem>
    </priceOnTradeItem>
    <tradeItemColorDescription>
    <colorCodeListAgency>PTO</colorCodeListAgency>
    <colorCodeValue>PMS</colorCodeValue>
    <colorDescription>
    <description language="EN">
    <text>Dark burgandy</text>
    </description>
    </colorDescription>
    </tradeItemColorDescription>
    <tradeItemCountryOfOrigin>
    <countryOfOrigin>124</countryOfOrigin>
    </tradeItemCountryOfOrigin>
    <tradeItemCoupon>
    <couponFamilyCode>513</couponFamilyCode>
    </tradeItemCoupon>
    <tradeItemDateInformation>

```

```

20T12:00:00</lastChangeDateTime>
    <effectiveDate>2003-01-10</effectiveDate>
    <lastChangeDateTime>2002-11-
15T12:00:00</startAvailabilityDateTime>
    <publicationDate>2003-01-10</publicationDate>
    <startAvailabilityDateTime>2003-01-
17T09:30:47</consumerAvailabilityDateTime>
    <canceledDate>2002-10-05</canceledDate>
    <consumerAvailabilityDateTime>2001-12-
15T12:00:00</endAvailabilityDateTime>
    <discontinuedDate>2003-12-18</discontinuedDate>
    <endAvailabilityDateTime>2003-12-
    </tradeItemDateInformation>
    <tradeItemHandlingInformation>
        <handlingInstructionsCode>
            <description language="EN">
                <text>DFN</text>
            </description>
        </handlingInstructionsCode>

    <minimumTradeItemLifespanFromTimeOfArrival>35</minimumTradeItemLifespanFromTimeOfArrival>
    <stackingFactor>2</stackingFactor>
    <stackingWeightMaximum>
        <measurementValue
unitOfMeasure="kg">500</measurementValue>
    </stackingWeightMaximum>
    </tradeItemHandlingInformation>
    <tradeItemHierarchy>

    <quantityOfCompleteLayersContainedInATradeItem>3</quantityOfCompleteLayersContainedInATrad
elItem>
        <quantityOfLayersPerPallet>5</quantityOfLayersPerPallet>

    <quantityOfTradeItemsContainedInACompleteLayer>20</quantityOfTradeItemsContainedInAComple
elLayer>

    <quantityOfTradeItemsPerPallet>100</quantityOfTradeItemsPerPallet>

    <quantityOfTradeItemsPerPalletLayer>20</quantityOfTradeItemsPerPalletLayer>
        <quantityOfInnerPack>2</quantityOfInnerPack>

    <quantityOfNextLevelTradeItemWithinInnerPack>6</quantityOfNextLevelTradeItemWithinInnerPack>
        </tradeItemHierarchy>
        <tradeItemMarking>
            <hasBatchNumber>1</hasBatchNumber>

    <isNonSoldTradeItemReturnable>1</isNonSoldTradeItemReturnable>

    <isTradeItemMarkedAsRecyclable>1</isTradeItemMarkedAsRecyclable>
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            </depth>
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unitOfMeasure="lb">800</measurementValue>
            </grossWeight>
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unitOfMeasure="cm">25</measurementValue>
            </height>

    <isNetContentDeclarationIndicated>0</isNetContentDeclarationIndicated>

```

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                                <width>
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                                </drainedWeight>
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                                </pegHorizontal>
                                <pegVertical>
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                                </pegVertical>
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                                  <palletTermsAndConditions>7E</palletTermsAndConditions>
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                                  <effectiveEndDate>2003-06-15</effectiveEndDate>
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                                  <value currencyISOCode="USD">280</value>
                                  <effectiveEndDate>2003-06-15</effectiveEndDate>
                                </suggestedRetailPrice>
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                                  <sizeCodeValue>36X</sizeCodeValue>
                                  <descriptiveSize language="EN">
                                    <text>Maxi</text>
                                  </descriptiveSize>
                                </tradeItemSizeDescription>
                                <tradeItemTaxInformation>
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```

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<taxAmount currencyISOCode="USD">6</taxAmount>
<taxAgency>
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  <taxTypeDescription>VAT</taxTypeDescription>
</taxAgency>
</tradeItemTaxAmount>
</tradeItemTaxInformation>
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  <deliveryToDistributionCenterTemperatureMaximum>
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    </deliveryToDistributionCenterTemperatureMinimum>
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unitOfMeasure="FAH">54</measurementValue>
    </storageHandlingTemperatureMinimum>
  </tradeItemTemperatureInformation>
</tradingPartnerNeutralTradeItemInformation>
</tradeItemInformation>
</tradeItem>
</eanucc:tradeItemDocument>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>
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