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1. Business Domain View

1.1. Problem Statement / Business Need

Not Applicable

1.2. Objective

The objective is to document the components that are shared by GS1 BMS Standards in order to promote interoperability across GS1 domains (e.g. GDSN, eCom). This document contains only components that are determined to be foundational to all domains within GS1.

Shared components are used to enforce GS1 Architectural Principles (e.g. keys, message structure) or have common requirements across all contexts and include.

- GS1 Keys (e.g. Party Identification)
- Document Components (Document, Response)
- Common based on “global” concepts (e.g. Contact, Currency Exchange, Name and Address).

Universal components are defined as those that can be used in all domains without context specific requirements or are built around a static concept that does not change per context (e.g. postal address, geographical coordinate, dimension).

Shared components will be contained in a separate package and will be carefully managed to ensure that any changes that are made to any component do not have a negative impact across GS1 domains. A process will be in place to move components into the shared common if necessary. This will involve approvals across GS1 domains.

1.3. Audience

The primary audience for this document are individuals assigned as GS1 Business Process Analysts, Business Requirements Groups Managers, GDD Managers, and XML System Developers who are responsible for the completion and delivery of the Business Message Standards.

1.4. References

Reference Name	Description
GS1 Modeling Best Practices Version 0.6.0 for Publication 2.0	GS1 Modeling Best Practices Version 0.6.0 for Publication 2.0
eb Methodology	eb Methodology

1.5. Acknowledgements

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

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2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	All
System Capabilities	All
Official Constraints	None

3. Additional Technical Requirements Analysis

3.1. Technical Requirements

Number	Statement	Rationale
	Not Applicable	

4. Business Transaction View

4.1. Business Transaction Use Case Diagram

Not Applicable

4.2. Use Case Description

Not Applicable

4.3. Business Transaction Activity Diagram(s)

Not Applicable

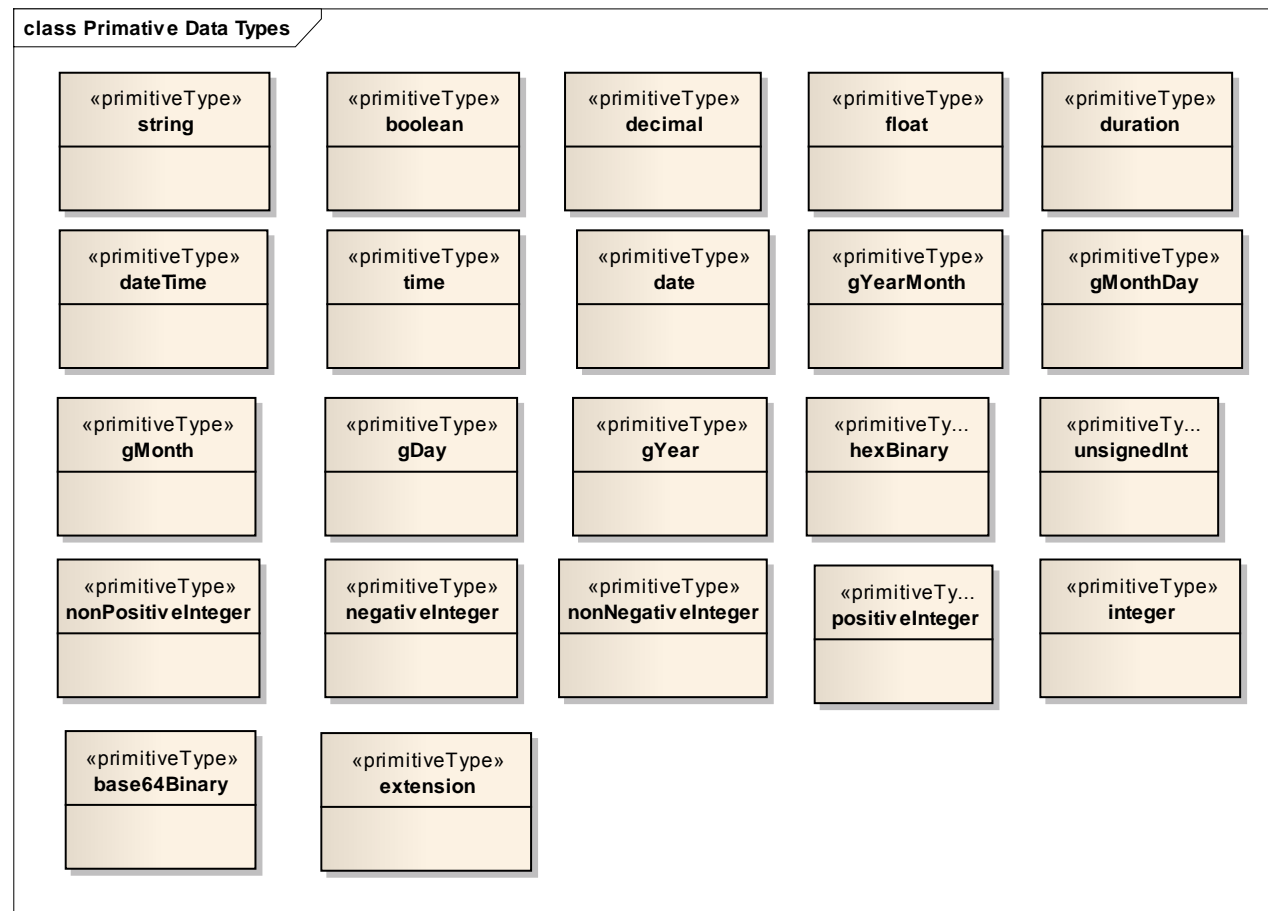
4.4. Business Transaction Sequence Diagram(s) (optional)

Not Applicable

5. Information Model (Including GDD)

5.1. Primitive Types

5.1.1. Class Diagram: Primitive Types



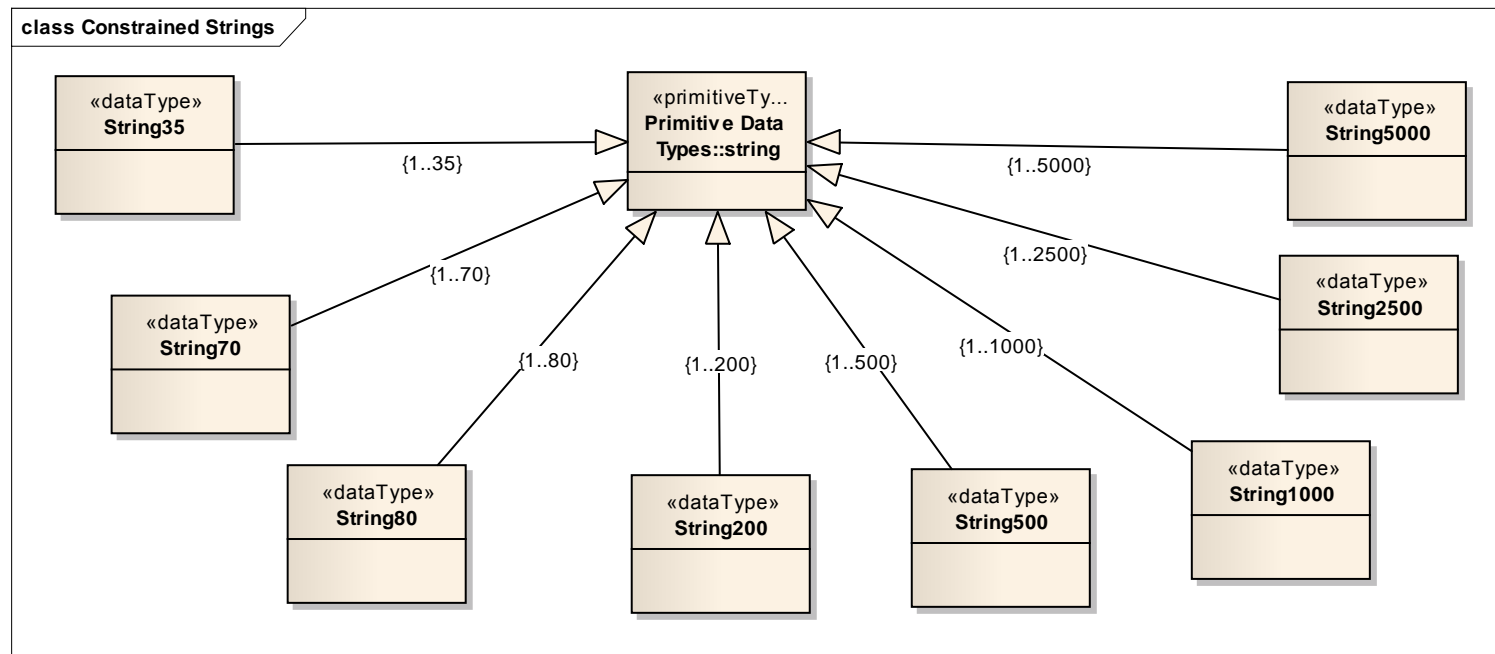
Data Type	W3C Definition
base64Binary	Represents Base64-encoded arbitrary binary data.
boolean	Support the mathematical concept of binary-valued logic: {true, false}.
decimal	A subset of the real numbers, which can be represented by decimal numerals. decimal has a lexical representation consisting of a finite-length sequence of decimal digits (#x30-#x39) separated by a period as a decimal indicator. An optional leading sign is allowed.
dateTime	Objects with integer-valued year, month, day, hour and minute properties, a decimal-valued second property, and a boolean time zoned property.
date	Intervals of exactly one day in length on the timelines of dateTime, beginning on the beginning moment of each day (in each time zone), i.e. '00:00:00', up to but not including '24:00:00' (which is identical with '00:00:00' of the next day).
duration	A duration of time. The lexical representation for duration is the [ISO 8601] extended format PnYn MnDTnH nMnS, where nY represents the number of years, nM the number of months, nD the number of days, 'T' is the date/time separator, nH the number of hours, nM the number of minutes and nS the number of seconds. The number of seconds can include decimal digits to arbitrary precision.
extension	The data type Extension corresponds to the XML Schema 'ExtensionType' which contains the 'xsd:any namespace="##any"' element to allow for adding extensions.
Float	Float consists of the values $m \times 2^e$, where m is an integer whose absolute value is less than 2^{24} , and e is an integer between -149 and 104, inclusive.
gYearMonth	gYearMonth represents a specific Gregorian month in a specific Gregorian year. The lexical representation for gYearMonth is the reduced (right truncated) lexical representation for dateTime: CCYY-MM.
gMonthDay	gMonthDay is a Gregorian date that recurs, specifically a day of the year such as the third of May. The lexical representation for gMonthDay is the left truncated lexical representation for date: --MM-DD.
gMonth	gMonth is a Gregorian month that recurs every year. The lexical representation for gMonth is the left and right truncated lexical representation for date: --MM.
gDay	gDay is a Gregorian day that recurs, specifically a day of the month such as the 5th of the month. The lexical representation for gDay is the left truncated lexical representation for date: ---DD .
gYear	gYear represents a Gregorian calendar year (e.g. 1999)
hexBinary	hexBinary represents arbitrary hex-encoded binary data.
integer	integer is ·derived· from decimal by fixing the value of ·fractionDigits· to be 0 and disallowing the trailing decimal point.
negativeInteger	negativeInteger is ·derived· from nonPositiveInteger by setting the value of ·maxInclusive· to be -1.

Data Type	W3C Definition
nonPositiveInteger	nonPositiveInteger is ·derived· from integer by setting the value of ·maxInclusive· to be 0.
nonNegativeInteger	nonNegativeInteger is ·derived· from integer by setting the value of ·minInclusive· to be 0.
positiveInteger	Derived from nonNegativeInteger by setting the value of ·minInclusive· to be 1.
string	Represents character strings in XML
time	An instant of time that recurs every day.
unsignedInteger	unsignedInt is ·derived· from unsignedLong by setting the value of ·maxInclusive· to be 4294967295.



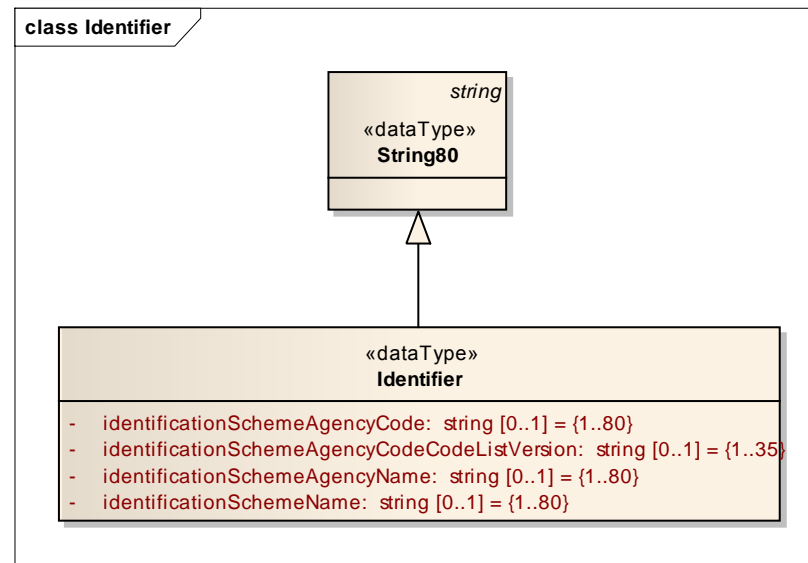
Note: Source is XML Schema Part 2: Datatypes Second Edition, W3C Recommendation 28 October 2004. More details are available at the following link: <http://www.w3.org/TR/xmlschema-2/>

5.1.2. Class Diagram: Constrained Strings



5.2. Data Types

5.2.1. Class Diagram: Identifier Data Type

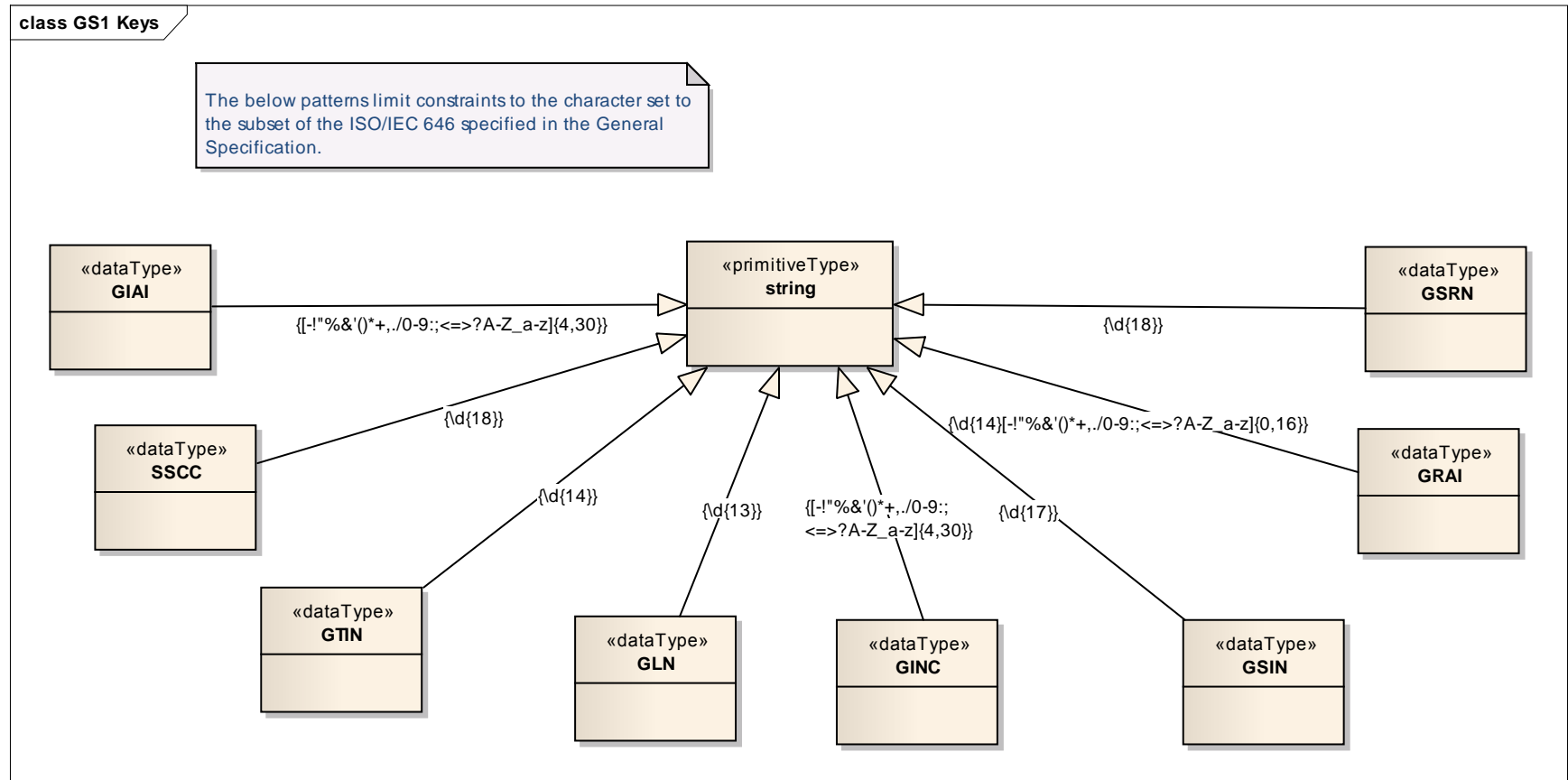


5.2.2. GDD Report: Identifier Data Type

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Identifier				A value used to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects in the same scheme.	
Generalization		String80		A value used to identify and distinguish uniquely, one instance of an object in an identification scheme from all other objects in the same scheme.	
Attribute	identificationSchemeAgencyCode	string	0..1	The identification of the agency that maintains the identification scheme.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	identificationSchemeAgencyCodeCodeListVersion	string	0..1	The version of the code list of agency code lists.	
Attribute	identificationSchemeAgencyName	string	0..1	The name of the agency that maintains the identification scheme.	
Attribute	identificationSchemeName	string	0..1	The name of the identification scheme.	

5.2.3. Class Diagram: GS1 Key Data Types



Key	Pattern	Description
GIAI	<code>[!'"%&'()*+,-/0-9;:<=>?A-Z_a-z]{4,30}</code>	Minimum 4, Maximum 30 alphanumeric characters restricted to A-Z (uppercase), a-z (lowercase), 0-9, and the special characters listed (e.g. %, &, etc..) ^{Note 1}
SSCC	<code>\d{18}</code>	Exactly 18 numeric digits
GTIN	<code>\d{14}</code>	Exactly 14 numeric digits
GLN	<code>\d{13}</code>	Exactly 13 numeric digits
GSIN	<code>\d{17}</code>	Exactly 17 numeric digits
GINC	<code>[!'"%&'()*+,-/0-9;:<=>?A-Z_a-z]{4,30}</code>	Minimum 4, Maximum 30 alphanumeric characters restricted to A-Z (uppercase), a-z (lowercase), 0-9, and the special characters listed (e.g. %, &, etc..) ^{Note 1}
GRAI	<code>\d{14}[!'"%&'()*+,-/0-9;:<=>?A-Z_a-z]{0,16}</code>	Exactly 14 numeric digits, followed by Minimum 0, Maximum 16 alphanumeric characters restricted to A-Z (uppercase), a-z (lowercase), 0-9, and the special characters listed (e.g. %, &, etc..) ^{Note 1}
GSRN	<code>\d{18}</code>	Exactly 18 numeric digits



Note 1: The patterns limit constraints to the character set defined in the General Specification, which is a subset of ISO/IEC 646.

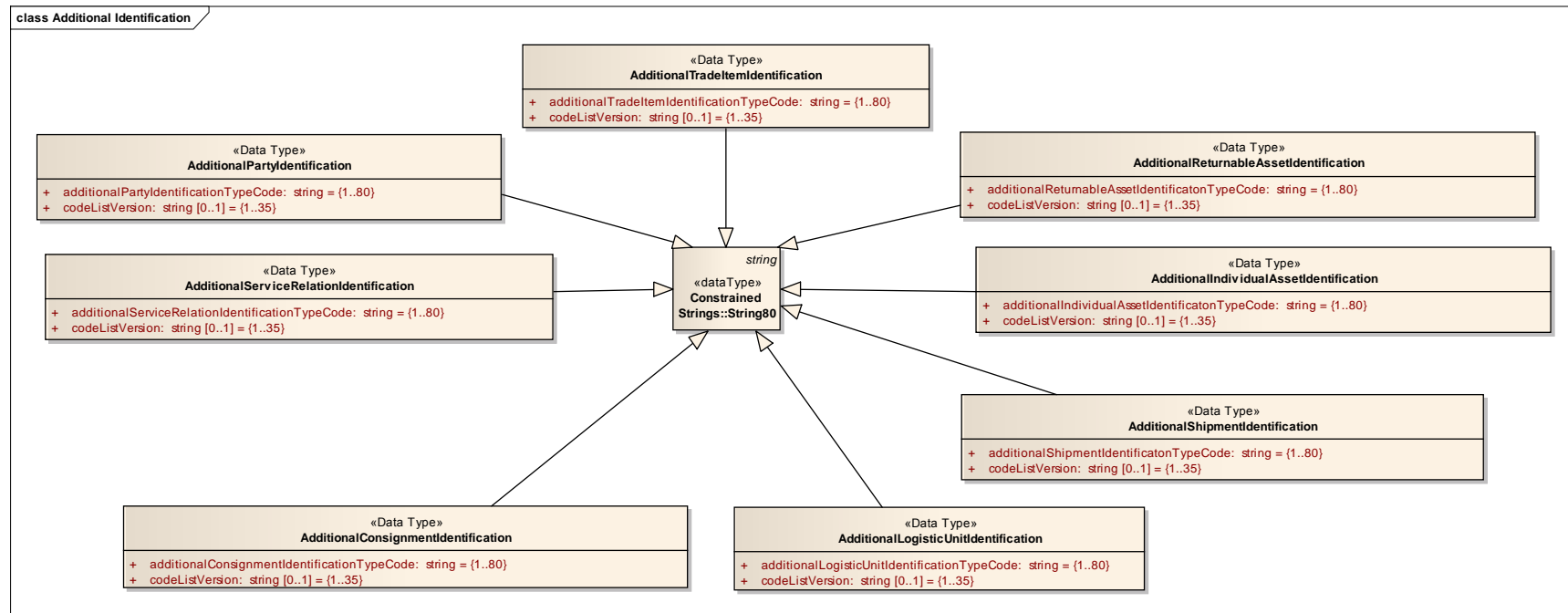
5.2.4. GDD Report: GS1 Key Data Types

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
GIAI				The GS1 Identification Key used to identify an Individual Asset. The key comprises a GS1 Company Prefix and Individual Asset Reference.	
Generalization		string			
GINC				The GS1 Identification Key used to identify a logical grouping of logistic or transport units that are assembled to be transported under one transport document (e.g. HWB). The key comprises a GS1 Company Prefix and the Freight Forwarder's or Carrier's transport	

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
				reference.	
Generalization		string			
GLN				The Global Location Number (GLN) is the GS1 Identification Key used to identify physical locations or parties. The key is comprised of a GS1 Company Prefix, Location Reference, and Check Digit.	
Generalization		string			
GRAI				The GS1 Identification Key used to identify Returnable Assets. The key comprises a GS1 Company Prefix, Asset Type, Check Digit, and optional serial number.	
Generalization		string			
GSIN				The GS1 Identification Key used to identify a logical grouping of logistic or transport units that are assembled by the consignor (seller) for a transport Shipment from that consignor to one consignee (buyer) referencing a despatch advice and/or BOL. The key comprises a GS1 Company Prefix, Shipper Reference and Check Digit.	
Generalization		string			
GSRN				The GS1 Identification Key used to identify the relationship between a service provider and service recipient. The key comprises a GS1 Company Prefix, Service Reference, and Check Digit.	
Generalization		string			
GTIN				The GS1 Identification Key used to identify trade items. The key comprises a GS1 Company Prefix, an Item Reference and Check Digit.	
Generalization		string			
SSCC				The GS1 Identification Key used to identify logistics units. The key comprises an Extension digit, GS1 Company Prefix, Serial Reference, and Check Digit.	

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
Generalization		string			

5.2.5. Class Diagram: Additional Key Data Types



5.2.6. GDD Report: Additional Key Data Types

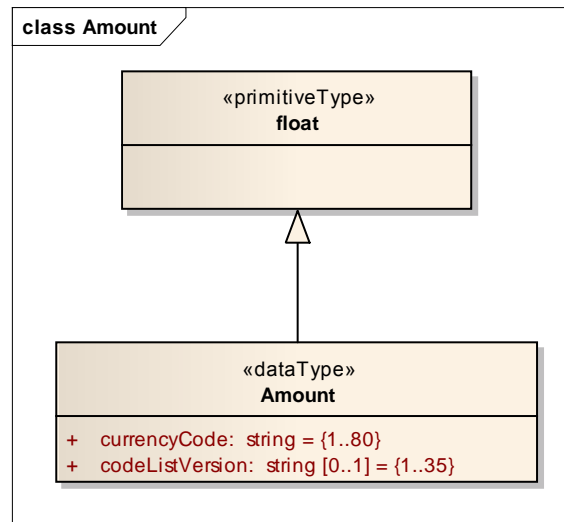
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
AdditionalConsignmentIdentification				Additional identification for a consignment.	
Generalization		String80		The identification value.	
Attribute	additionalConsignmentIdentificationTypeCode	string	1..1	The type of additional identification for a	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
				consignment.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalIndividualAssetIdentification				Additional identification for an individual asset.	
Generalization		String80		The identification value.	
Attribute	additionalIndividualAssetIdentificatonTypeCode	string	1..1	The type of additional identification for an individual asset.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalLogisticUnitIdentification				Additional (non-SSCC) identification attached to a shipping container or shipping package and used for logistical and traceability purposes.	
Generalization		String80		The identification value.	
Attribute	additionalLogisticUnitIdentificationTypeCode	string	1..1	Additional (non-SSCC) identification attached to a shipping container or shipping package and used for logistical and traceability purposes.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalPartyIdentification				A party identifier that is in addition to the GLN.	
Generalization		String80		The identification value	
Attribute	additionalPartyIdentificationTypeCode	string	1..1	Identification of a party by use of a code in addition to the Global Location Number.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalReturnableAssetIdentification				An identifier in addition to the GS1 identifier for a reusable entity owned by a company that is used for transport and storage of goods.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Generalization		String80		The identification value.	
Attribute	additionalReturnableAssetIdentificatonTypeCode	string	1..1	An identifier in addition to the GS1 identifier for a reusable entity owned by a company that is used for transport and storage of goods.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalServiceRelationIdentification				An identifier in addition to the GS1 identification used to identify the recipient of services in the context of a service relationship.	
Generalization		String80		The identification value.	
Attribute	additionalServiceRelationIdentificationTypeCode	string	1..1	TBD by workgroup	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalShipmentIdentification				An identification in addition to the GS1 identification used to identify a logical grouping of logistic or transport units that are assembled by the consignor (seller) for a transport shipment from that consignor to one consignee (buyer).	
Generalization		String80		The identification value.	
Attribute	additionalShipmentIdentificatonTypeCode	string	1..1	An identification in addition to the GS1 identification used to identify a logical grouping of logistic or transport units that are assembled by the consignor (seller) for a transport shipment from that consignor to one consignee (buyer).	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
AdditionalTradeItemIdentification				Additional Trade Item Identification Data type	
Generalization		String80		The identification value.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	additionalTradeItemIdentificationTypeCode	string	1..1	This code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	

5.2.7. Class Diagram: Amount Data Type

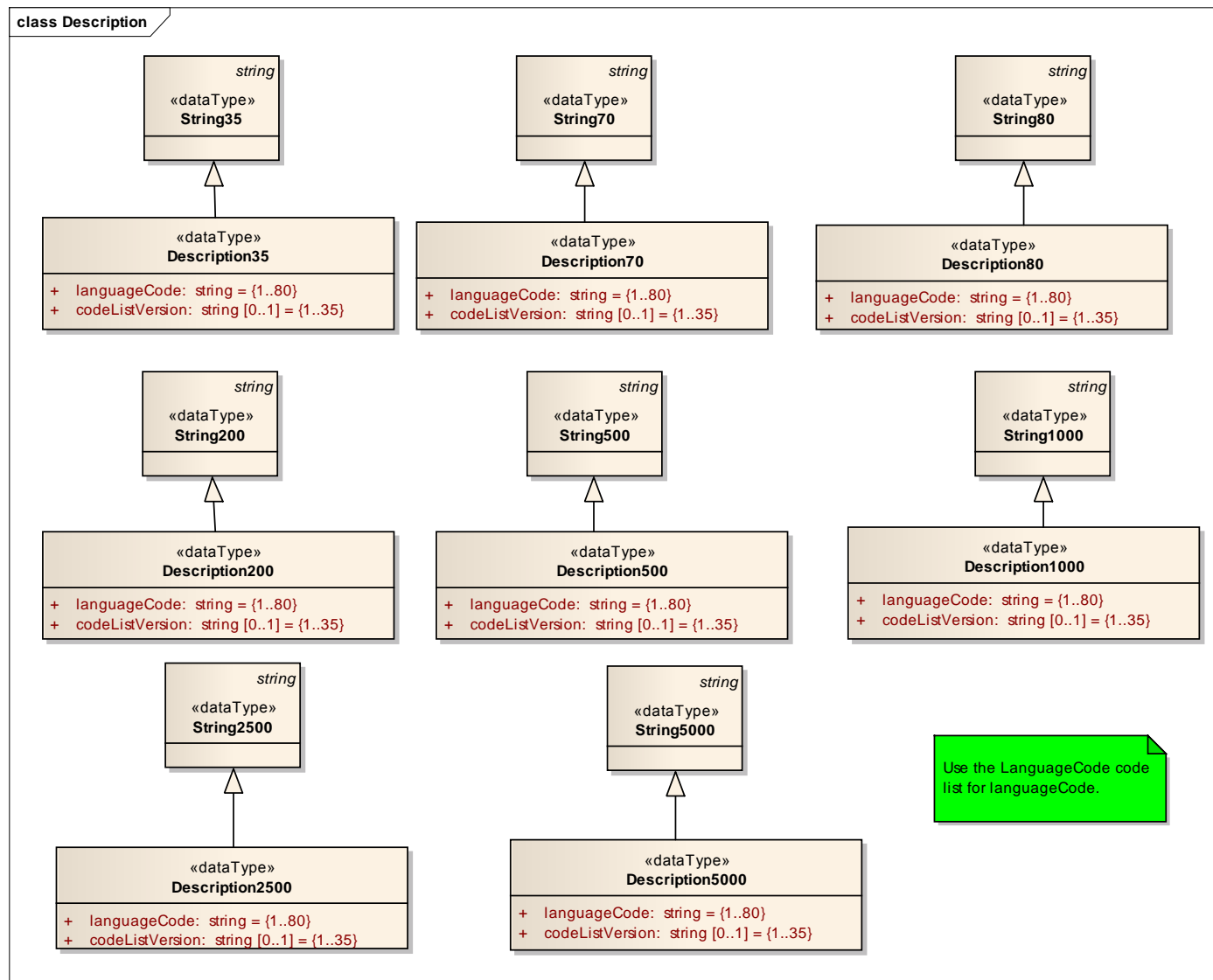


5.2.8. GDD Report: Amount Data Type

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Amount				A monetary amount with an associated currency code.	
Generalization		float		The amount value	

Attribute	currencyCode	string	1..1	A code representing the currency of a particular country or group of countries.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	

5.2.9. Class Diagram: Description Data Types

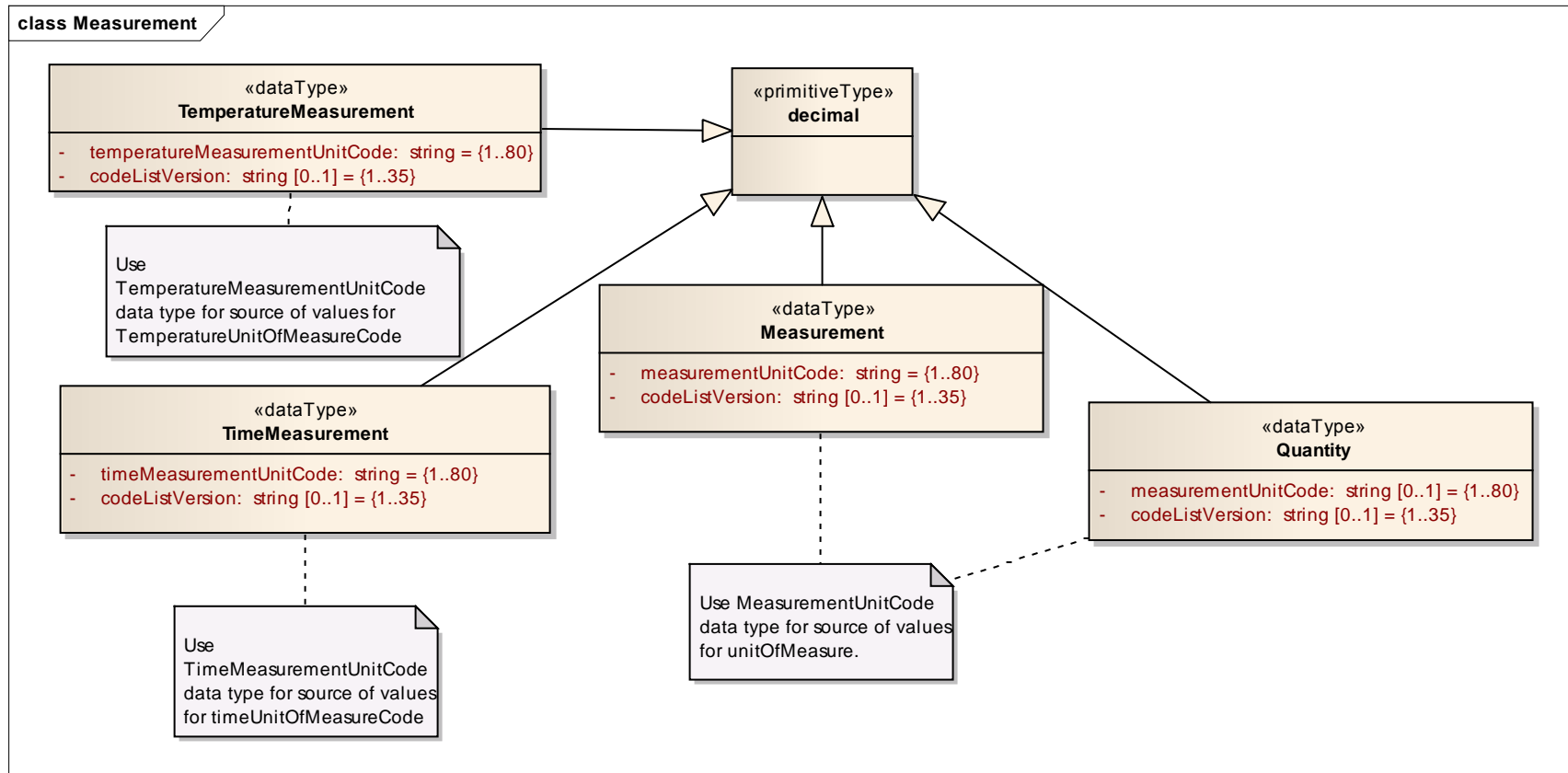


5.2.10. GDD Report: Description Data Types

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Description1000				A string of no more than 1000 characters in a specified language.	
Generalization		String1000		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description200				A string of no more than 200 characters in a specified language.	
Generalization		String200		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description2500				A string of no more than 2500 characters in a specified language.	
Generalization		String2500		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description35				A string of no more than 35 characters in a specified language.	
Generalization		String35		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description500				A string of no more than 500 characters in a specified language.	
Generalization		String500		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description5000				A string of no more than 5000 characters in a specified language.	
Generalization		String5000		The description value.	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description70				A string of no more than 70 characters in a specified language.	
Generalization		String70		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Description80				A string of no more than 80 characters in a specified language.	
Generalization		String80		The description value	
Attribute	languageCode	string	1..1	A code representing the language used in the description.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	

5.2.11. Class Diagram: Measurement and Quantity Data Types



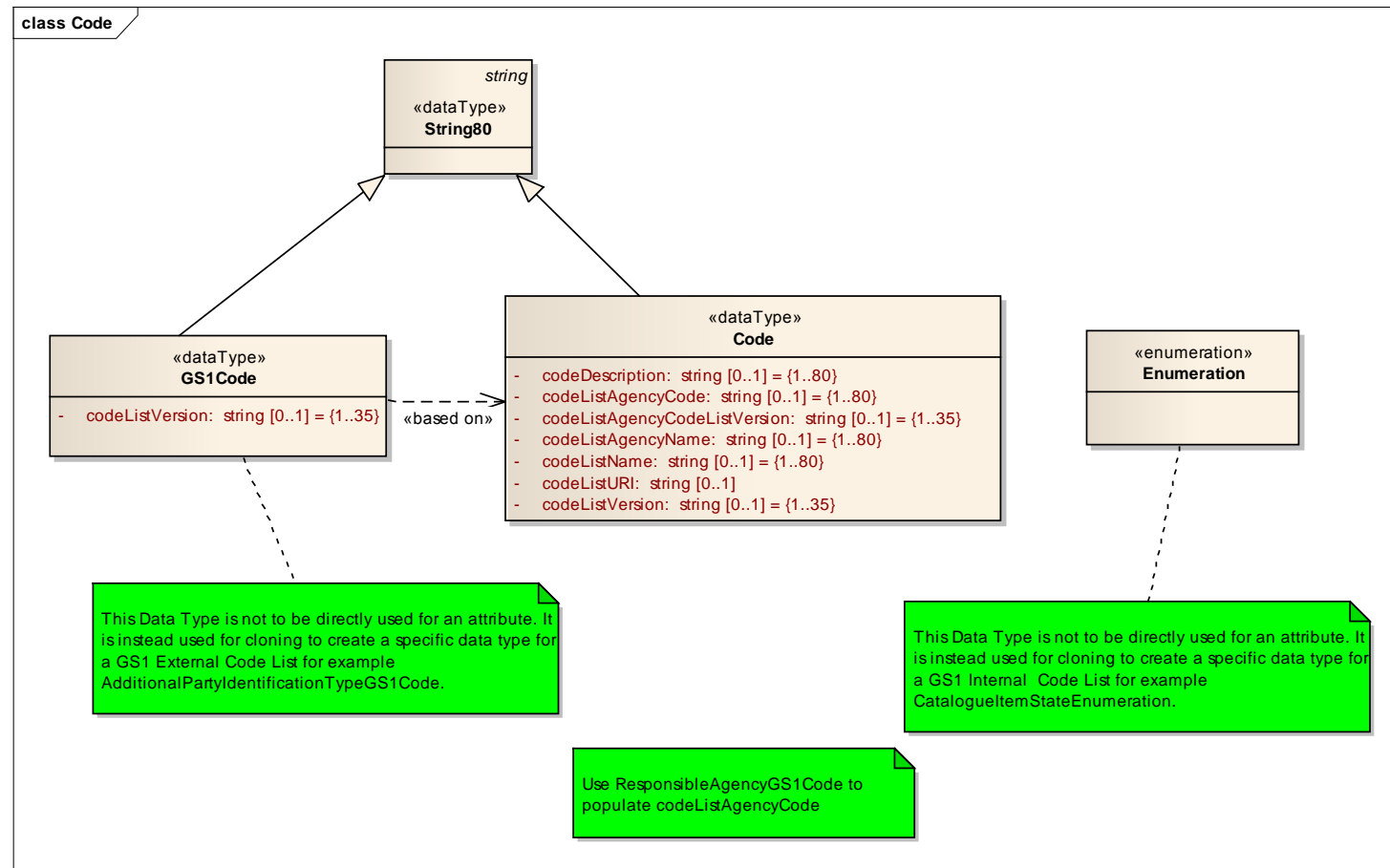
5.2.12. GDD Report: Measurement and Quantity Data Types

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Measurement				Provides measurement value and an associated unit of measure code.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Generalization		decimal		The Measurement Value.	
Attribute	measurementUnitCode	string	1..1	Any standardized, reproducible unit that can be used to measure any physical property.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
Quantity				Provides quantity value and an associated unit of measure code.	
Generalization		decimal		The Quantity Value.	
Attribute	measurementUnitCode	string	0..1	Any standardized, reproducible unit that can be used to measure any physical property.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
TemperatureMeasurement				Provides temperature measurement value and associated unit of measure code.	
Generalization		decimal		The Temperature Measurement Value	
Attribute	temperatureMeasurementUnitCode	string	1..1	Any standardized, reproducible unit that can be used to measure any physical property.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
TimeMeasurement				Provides time measurement value and an associated unit of measure code.	
Generalization		decimal		The Time Measurement Value	
Attribute	timeMeasurementUnitCode	string	1..1	Any standardized, reproducible unit that can be used to measure any physical property.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	

5.3. Code Data Types

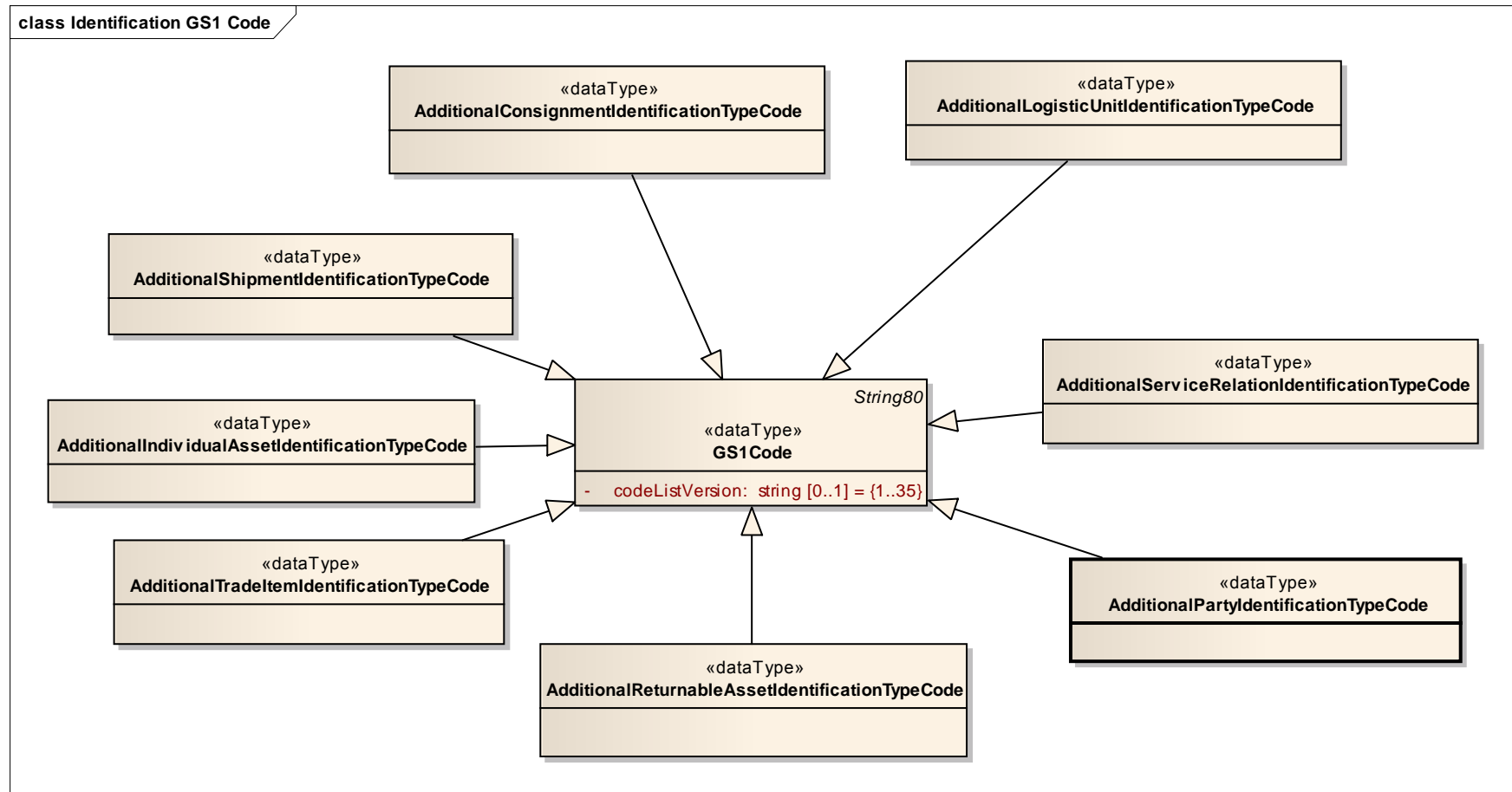
5.3.1. Class Diagram: Code and GS1 Code Data Types



5.3.2. GDD Report: Code and GS1 Code Data Types

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Code				Generic code data type not linked to a specific code list. Besides the code value the code data type allows to specify additional information such as the responsible code list agency and the code list identification.	
Generalization		String80			
Attribute	codeDescription	string	0..1	A description for the code value provided.	
Attribute	codeListAgencyCode	string	0..1	A code representing the agency which manages the code list for example 5 for ISO.	
Attribute	codeListAgencyCodeListVersion	string	0..1	The snapshot of the Code List Agency code list at a certain point in time.	
Attribute	codeListAgencyName	string	0..1	A name of the agency which manages the code list for example ISO.	
Attribute	codeListName	string	0..1	The name of the code list which provides the code value.	
Attribute	codeListURI	string	0..1	A string that refers to the location of the code list which provides the code value.	
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	
GS1Code				Generic code data type not linked to a specific code list. Besides the code value the GS1 code data type allows to specify the code list version.	
Generalization		String80			
Dependency		Code			
Attribute	codeListVersion	string	0..1	The snapshot of the code list at a certain point in time.	

5.3.3. Class Diagram: Additional Identification Code Data Types

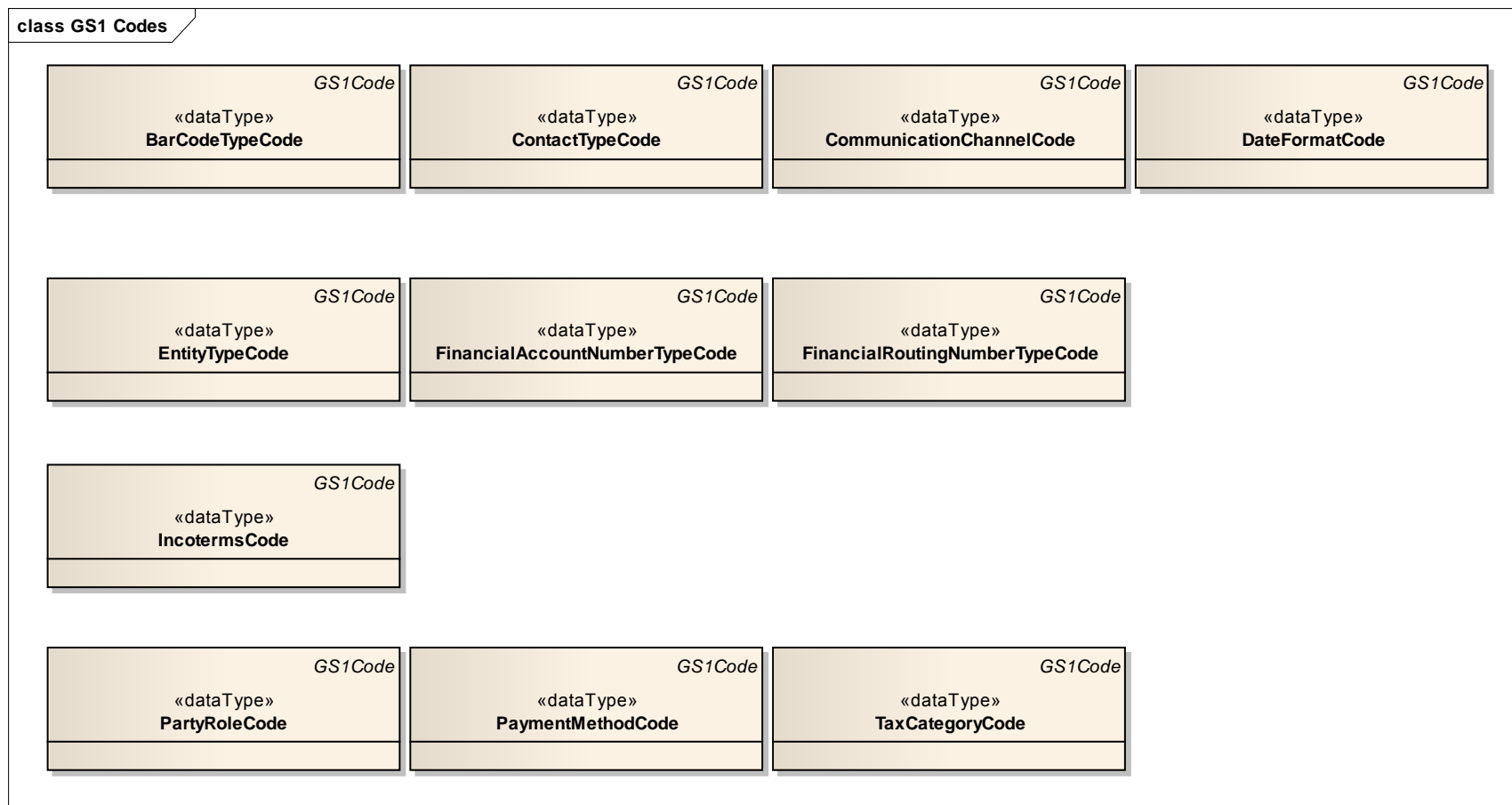


5.3.4. GDD Report: Additional Identification Code Data Types

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
AdditionalConsignmentIdentificationTypeCode				Code specifying an additional consignment identification type. Allowed code values are specified in GS1 Code List AdditionalConsignmentIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalDocumentIdentificationTypeCode				Code specifying an additional document identification type. Allowed code values are specified in GS1 Code List AdditionalDocumentIdentificationTypeCode.	
AdditionalIndividualAssetIdentificationTypeCode				Code specifying an additional individual asset identification type. Allowed code values are specified in GS1 Code List AdditionalIndividualAssetIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalLogisticUnitIdentificationTypeCode				Code specifying a additional logistic unit identification type. Allowed code values are specified in GS1 Code List AdditionalLogisticUnitIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalPartyIdentificationTypeCode				Code specifying a additional party identification type. Allowed code values are specified in GS1 Code List AdditionalPartyIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalReturnableAssetIdentificationTypeCode				Code specifying an additional returnable asset identification type. Allowed code values are specified in GS1 Code List AdditionalReturnableAssetIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalServiceRelationIdentificationTypeCode				Code specifying an additional individual service relation identification type. Allowed code values are specified in GS1 Code List AdditionalServiceRelationIdentificationTypeCode.	
Generalization		GS1Code			
AdditionalShipmentIdentificationTypeCode				Code specifying an additional shipment identification type. Allowed code values are specified in GS1 Code List AdditionalShipmentIdentificationTypeCode.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Generalization		GS1Code			
AdditionalTradeItemIdentificationTypeCode				Code specifying an additional trade item identification type. Allowed code values are specified in GS1 Code List AdditionalTradeItemIdentificationTypeCode.	
Generalization		GS1Code			

5.3.5. Class Diagram: GS1 Code Data Types

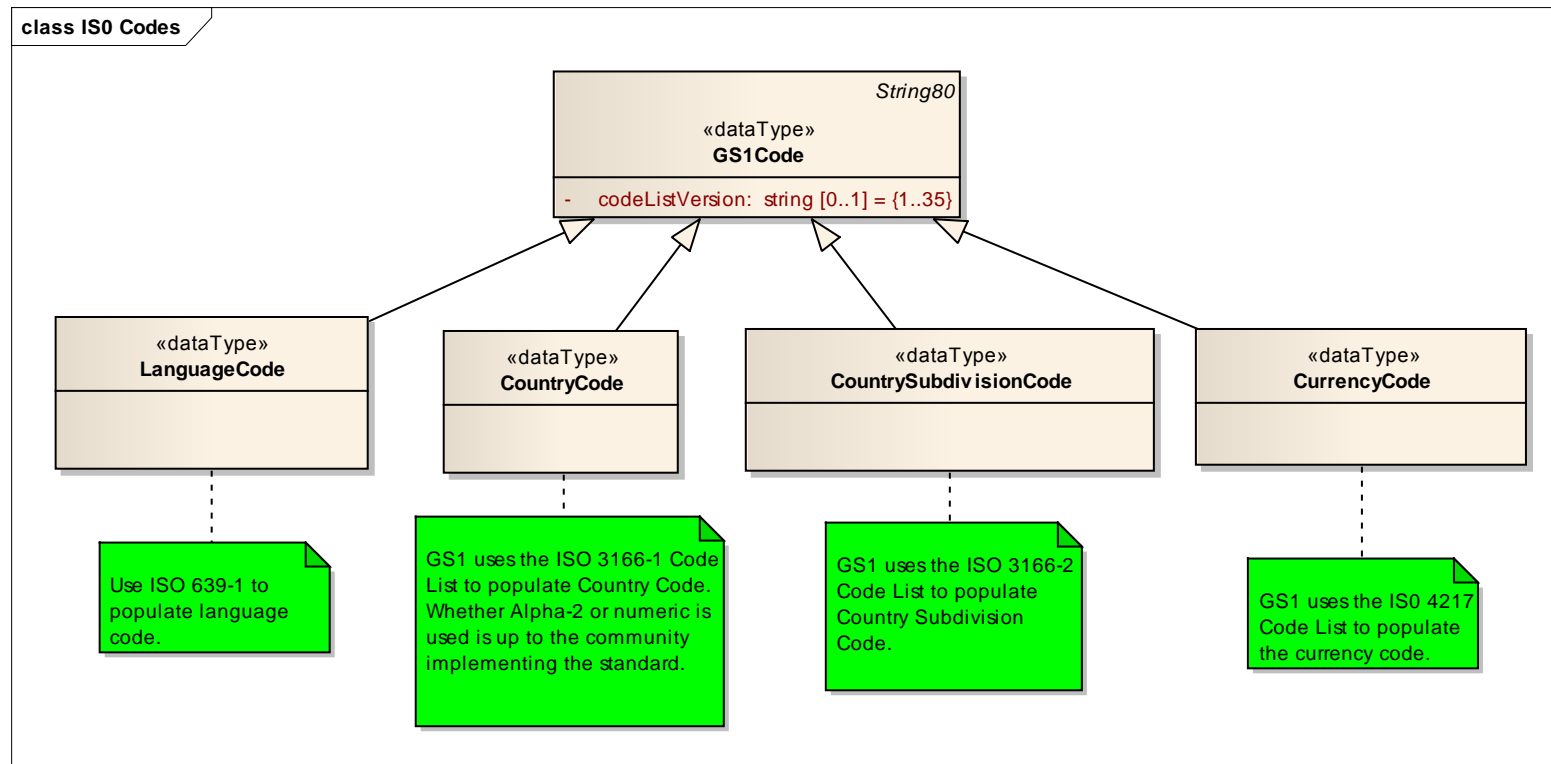


5.3.6. GDD Report: GS1 Code Data Types

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
BarCodeTypeCode				Code specifying a bar code type. Allowed code values are specified in GS1 Code List BarCodeTypeCode.	
Generalization		GS1Code			
CommunicationChannelCode				Code specifying a communication channel. Allowed code values are specified in GS1 Code List CommunicationChannelCode.	
Generalization		GS1Code			
ContactTypeCode				Code specifying a contact type. Allowed code values are specified in GS1 Code List ContactTypeCode.	
Generalization		GS1Code			
DateFormatCode				Code specifying a date format. Allowed code values are specified in GS1 Code List DateFormatCode.	
Generalization		GS1Code			
EntityTypeCode				Code specifying an entity type. Allowed code values are specified in GS1 Code List EntityTypeCode.	
Generalization		GS1Code			
FinancialAccountNumberTypeCode				Code specifying a financial account number type. Allowed code values are specified in GS1 Code List FinancialAccountNumberTypeCode.	
Generalization		GS1Code			
FinancialRoutingNumberTypeCode				Code specifying a financial routing number type. Allowed code values are specified in GS1 Code List FinancialRoutingNumberTypeCode.	
Generalization		GS1Code			

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
IncotermsCode				Code specifying delivery terms in accordance with the Internal Commercial Terms (Incoterms). Allowed code values are specified in GS1 Code List IncotermsCode.	
Generalization		GS1Code			
TaxCategoryCode				Code specifying a tax category. Allowed code values are specified in GS1 Code List TaxCategoryCode.	
Generalization		GS1Code			
PaymentMethodCode				Code specifying a payment method. Allowed code values are specified in GS1 Code List Payment MethodCode.	
Generalization		GS1Code			
PartyRoleCode				Code specifying a party role. Allowed code values are specified in GS1 Code List PartyroleCode.	
Generalization		GS1Code			

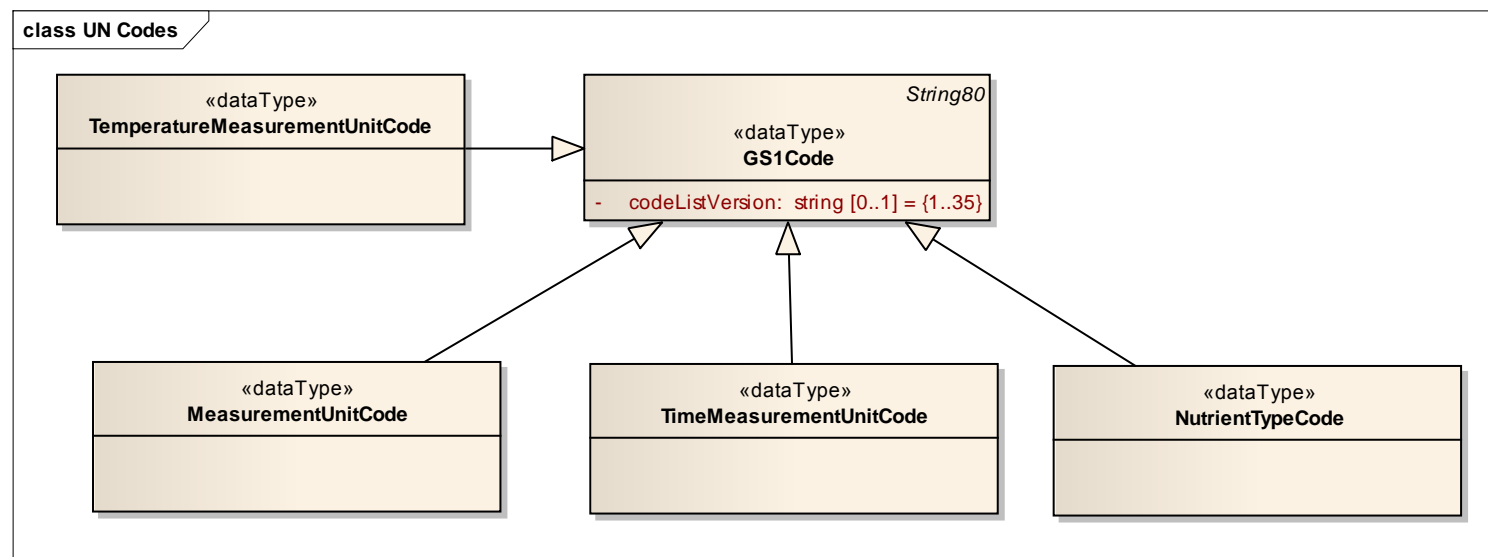
5.3.7. Class Diagram: ISO Code Data Types



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
CountryCode				Code specifying a country. Allowed code values are specified in GS1 Code List CountryCode.	
Generalization		GS1Code			
CountrySubdivisionCode				Code specifying a country subdivision. Allowed code values are specified in GS1 Code List CountrySubdivisionCode.	
Generalization		GS1Code			

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
CurrencyCode				Code specifying a currency. Allowed code values are specified in GS1 Code List CurrencyCode.	
Generalization		GS1Code			
LanguageCode				Code specifying a language. Allowed code values are specified in GS1 Code List LanguageCode.	
Generalization		GS1Code			

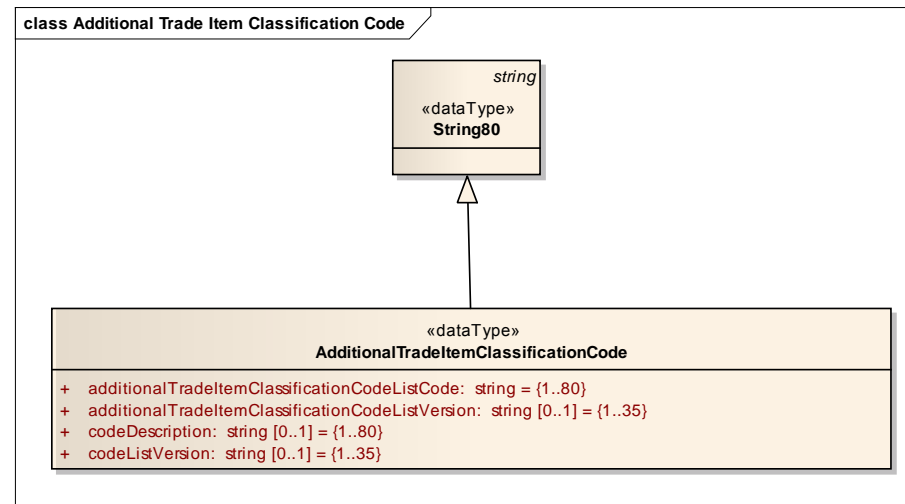
5.3.8. Class Diagram: UN Codes



Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeasurementUnitCode				Code specifying a unit of measure. Allowed code values are specified in GS1 Code List MeasurementUnitCode.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Generalization		GS1Code			
TemperatureMeasurementUnitCode				Code specifying a temperature unit of measure. Allowed code values are specified in GS1 Code List TemperatureMeasurementUnitCode.	
Generalization		GS1Code			
TimeMeasurementUnitCode				Code specifying a time unit of measure. Allowed code values are specified in GS1 Code List TimeMeasurementUnitCode.	
Generalization		GS1Code			
NutrientTypeCode				Code specifying a nutrient type. Allowed code values are specified in GS1 Code List NutrientTypeCode.	
Generalization		GS1Code			

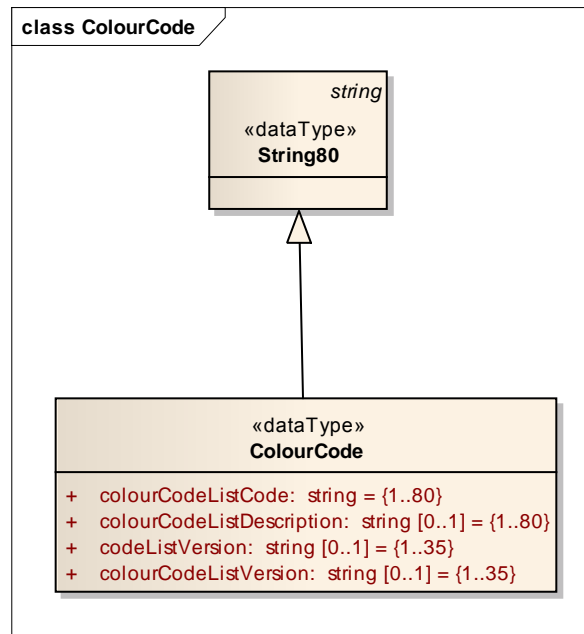
5.3.9. Class Diagram: Additional Trade Item Classification Code



5.3.10. GDD Report: Additional Trade Item Classification Code

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
AdditionalTradeItemClassificationCode				Code specifying an additional trade item classification other than the GS1 Global Product Classification. The applied classification scheme is specified as additional information together with the classification value.	
Generalization		String80		Category code based on additional classification scheme provided in addition to Global Product Classification	
Attribute	additionalTradeItemClassificationCodeListCode	string	1..1	Code specifying the applied additional trade item classification scheme. Allowed values are specified in GS1 code list AdditionalTradeItemClassificationCodeListCode.	
Attribute	additionalTradeItemClassificationCodeListVersion	string	0..1	The version number of the GS1 code list AdditionalTradeItemClassificationCodeListCode.	
Attribute	codeDescription	string	0..1	A description for the code value provide by GS1.	
Attribute	codeListVersion	string	0..1	The version of the applied additional trade item classification scheme.	

5.3.11. Class Diagram: Colour Code

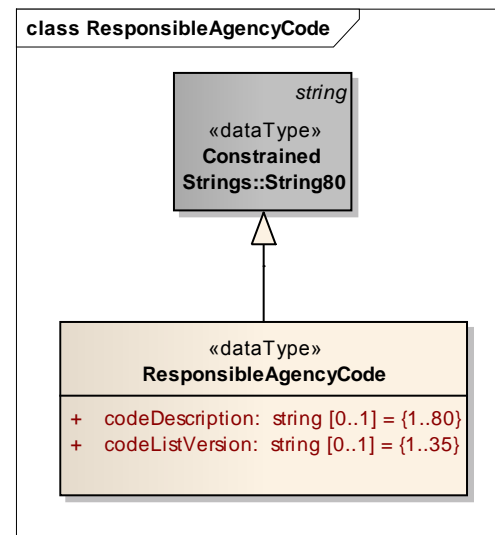


5.3.12. GDD Report: Colour Code

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ColourCode				A code depicting the colour of an object according to a specific code list. The applied code list is specified as additional information together with the colour code.	
Generalization		String80			
Attribute	colourCodeListCode	string	1..1	Code specifying a colour code list. Allowed code values are specified in GS1 Code List ColourCodeListCode.	
Attribute	colourCodeListDescription	string	0..1	A description of the colour code list used to populate the colour code, for example National Retail Federation – Standard Colour & Size Codes.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	codeListVersion	string	0..1	The version of the applied colour code list.	
Attribute	colourCodeListVersion	string	0..1	The version of the ColourCodeListCode code list.	

5.3.13. Class Diagram: Responsible Agency Code

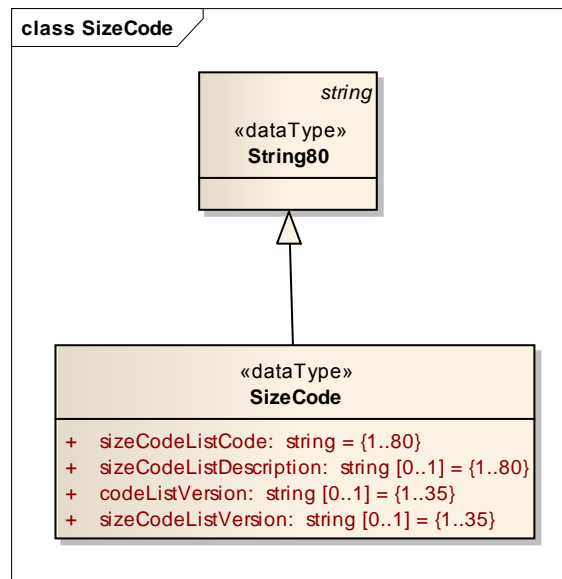


5.3.14. GDD Report: Responsible Agency Code

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ResponsibleAgencyCode				Code specifying a responsible agency. Allowed code values are specified in GS1 Code List ResponsibleAgencyCode.	
Generalization		String80			
Attribute	codeDescription	string	0..1	A description of the code.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	codeListVersion	string	0..1	The version of the code list.	

5.3.15. Class Diagram: Size Code



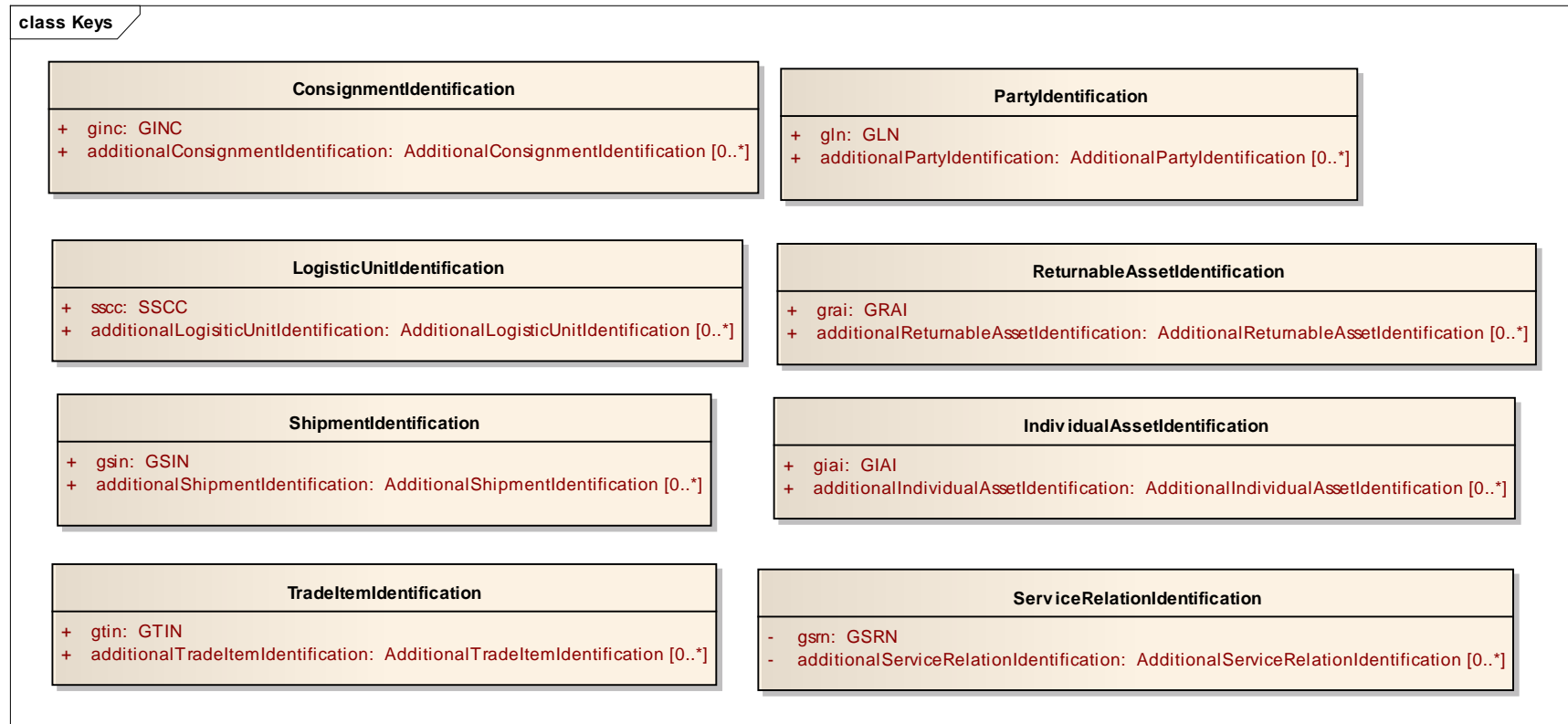
5.3.16. GDD Report: Size Code

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
SizeCode				A code depicting the size of an object according to a specific code list. The applied code list is specified as additional information together with the size code.	
Generalization		String80		A code depicting the size of an object according to a specified list of code	

Attribute	sizeCodeListCode	string	1..1	Code specifying a size code list. Allowed code values are specified in GS1 Code List SizeCodeListCode.	
Attribute	sizeCodeListDescription	string	0..1	A description of the size code list used to populate the size code for example National Retail Federation – Standard Colour & Size Codes	
Attribute	codeListVersion	string	0..1	The version of the applied size code list.	
Attribute	sizeCodeListVersion	string	0..1	The version of the SizeCodeListCode code list.	

5.4. GS1 Identification

5.4.1. Class Diagram: Identification

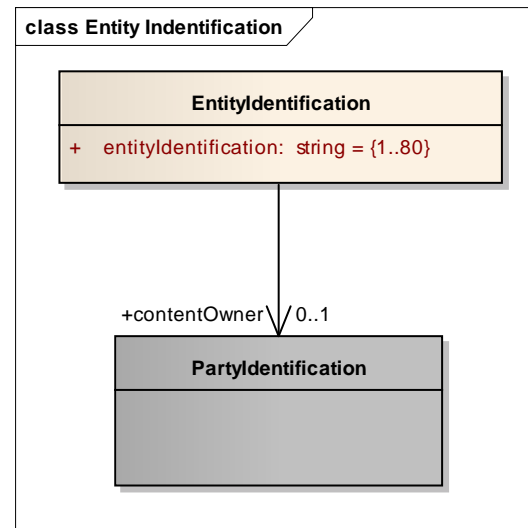


5.4.2. GDD Report: Identification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ConsignmentIdentification				Information used to identify a consignment.	
Attribute	ginc	GINC	1..1	Global Identification Number for Consignment (GINC), the GS1 key used for the identification of consignments.	
Attribute	additionalConsignmentIdentification	AdditionalConsignmentIdentification	0..*	Additional identification key used to identify a consignment.	
IndividualAssetIdentification				Information used to identify an asset.	
Attribute	giai	GIAI	1..1	Global Individual Asset Identifier (GIAI), the GS1 key used for the identification of individual assets.	
Attribute	additionalIndividualAssetIdentification	AdditionalIndividualAssetIdentification	0..*	Identifier of the asset, specified in addition to the GIAI.	
LogisticUnitIdentification				The globally unique identification attached to a shipping container or shipping package and used for logistical and traceability purposes.	
Attribute	sscc	SSCC	1..1	Serial Shipping Container Code (SSCC), the GS1 key used for the identification of logistic units.	
Attribute	additionalLogisticUnitIdentification	AdditionalLogisticUnitIdentification	0..*	Additional (non-SSCC) identification attached to a shipping container or shipping package and used for logistical and traceability purposes.	
PartyIdentification				Information used to identify a party or location.	
Attribute	gln	GLN	1..1	Global Location Number (GLN), the GS1 key used for the identification of parties and locations.	
Attribute	additionalPartyIdentification	AdditionalPartyIdentification	0..*	Identifier of the party or location, specified in addition to the GLN.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
ReturnableAssetIdentification				Information used to identify a returnable asset.	
Attribute	grai	GRAI	1..1	Global Returnable Asset Identifier (GRAI), the GS1 key used for the identification of returnable assets.	
Attribute	additionalReturnableAssetIdentification	AdditionalReturnableAssetIdentification	0..*	The additional identification Key used to identify returnable assets.	
ServiceRelationIdentification				Information used to identify a service relation.	
Attribute	gsrn	GSRN	1..1	Global Service Relation Number (GSRN), the GS1 key used for the identification of relationships between service providers and service recipients.	
Attribute	additionalServiceRelationIdentification	AdditionalServiceRelationIdentification	0..*	The additional key used to identify the relationship between a service provider and service recipient.	
ShipmentIdentification				Information used to identify a shipment.	
Attribute	gsin	GSIN	1..1	Global Shipment Identification Number (GSIN), the GS1 key used for the identification of shipments.	
Attribute	additionalShipmentIdentification	AdditionalShipmentIdentification	0..*	Additional identification key used to identify a shipment.	
TradeItemIdentification				Provides the GTIN as the unique identifier for the item and optionally additional formats of non GTIN identifiers for the item.	
Attribute	gtin	GTIN	1..1	Global Trade Item Number (GTIN), the GS1 key used for the identification of trade items.	
Attribute	additionalTradeItemIdentification	AdditionalTradeItemIdentification	0..*	Alternative means to the Global Trade Item Number to identify a trade item.	

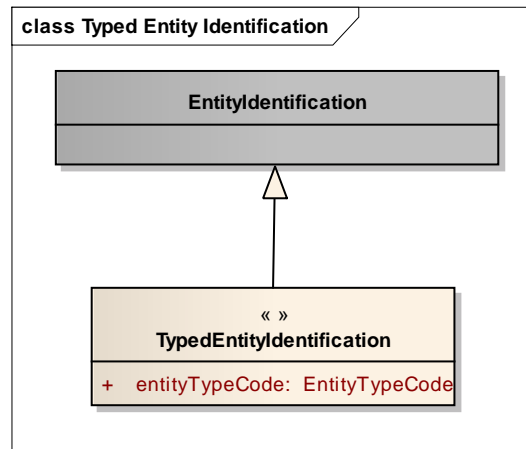
5.4.3. Class Diagram: Entity Identification



5.4.4. GDD Report: Entity Identification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
EntityIdentification				Information identifying a piece of information, such as an object or document.	
Association	contentOwner	PartyIdentification	0..1	Uniquely identifies the creator of a piece of information.	
Attribute	entityIdentification	string	1..1	The unique identifier of the piece of information, such as the object identification or the document identification.	

5.4.5. Class Diagram: Typed Entity Identification

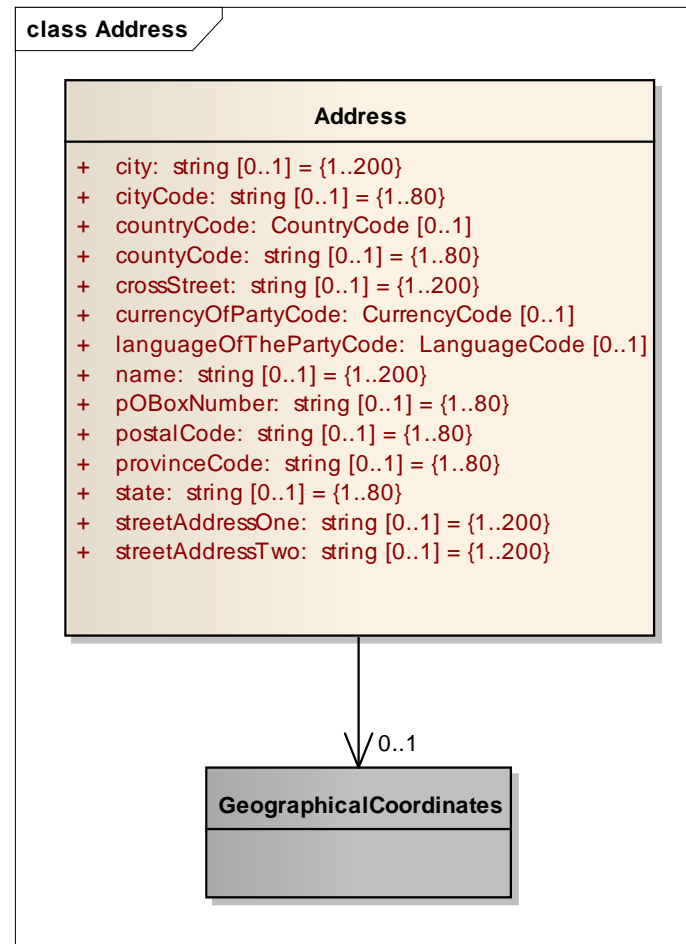


5.4.6. GDD: Typed Entity Identification

Content	Attribute / Role	Datatype Secondary class	/ Multiplicity	Definition	Requirements
TypedEntityIdentification				Information identifying a piece of information such as an object or document, also specifying the type of information.	
Generalization		EntityIdentification		This information on EntityIdentification for TypedEntityIdentification.	
Attribute	entityTypeCode	EntityTypeCode	1..1	Code specifying the type of information being identified, for example a Despatch Advice.	

5.5. Shared Common Components

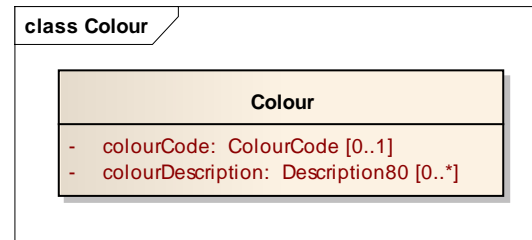
5.5.1. Class Diagram: Address



5.5.2. GDD Report: Address

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
Address				The location at which a particular organization or person may be found or reached.	
Association		GeographicalCoordinates	0..1	Geographical coordinates for the address.	
Attribute	city	string	0..1	Text specifying the name of the city.	
Attribute	cityCode	string	0..1	Identifier for a city, expressed as a short code rather than the full name	
Attribute	countryCode	CountryCode	0..1	Code specifying the country for the address.	
Attribute	countyCode	string	0..1	A code that identifies a county. A county is a territorial division in some countries, forming the chief unit of local administration. In the US, a county is a political and administrative division of a state.	
Attribute	crossStreet	string	0..1	A street intersecting a main street (usually at right angles) and continuing on both sides of it	
Attribute	currencyOfPartyCode	CurrencyCode	0..1	Code specifying the currency of an addressed party.	
Attribute	languageOfThePartyCode	LanguageCode	0..1	Code specifying the language of an addressed party.	
Attribute	name	string	0..1	The name of the party expressed in text.	
Attribute	pOBoxNumber	string	0..1	The number that identifies a PO box. A PO box is a box in a post office or other postal service location assigned to an organization where postal items may be kept.	
Attribute	postalCode	string	0..1	Text specifying the postal code for an address.	
Attribute	provinceCode	string	0..1	Text specifying a province in abbreviated format.	
Attribute	state	string	0..1	One of the constituent units of a nation having a federal government.	
Attribute	streetAddressOne	string	0..1	The first free form line of an address, This first part is printed on paper as the first line below the name. For example, the name of the street and the number in the street or the name of a building.	
Attribute	streetAddressTwo	string	0..1	The second free form line of an address, This second part is printed on paper as the second line below the name. The second free form line complements the first free form line to locate the party e.g. floor number, name of a building, suite number.	

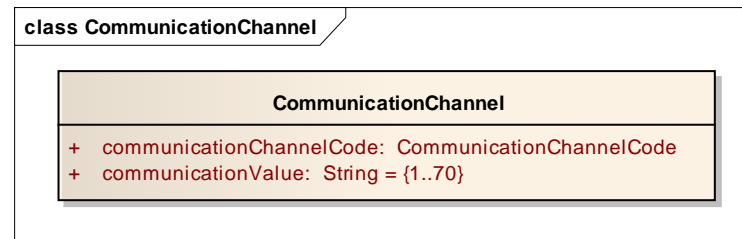
5.5.3. Class Diagram: Colour



5.5.4. GDD Report: Colour

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Colour				Information specifying a colour in text and / or coded format.	
Attribute	colourCode	ColourCode	0..1	Information specifying a colour in text and / or coded format.	
Attribute	colourDescription	Description80	0..*	A description of a colour of an object.	

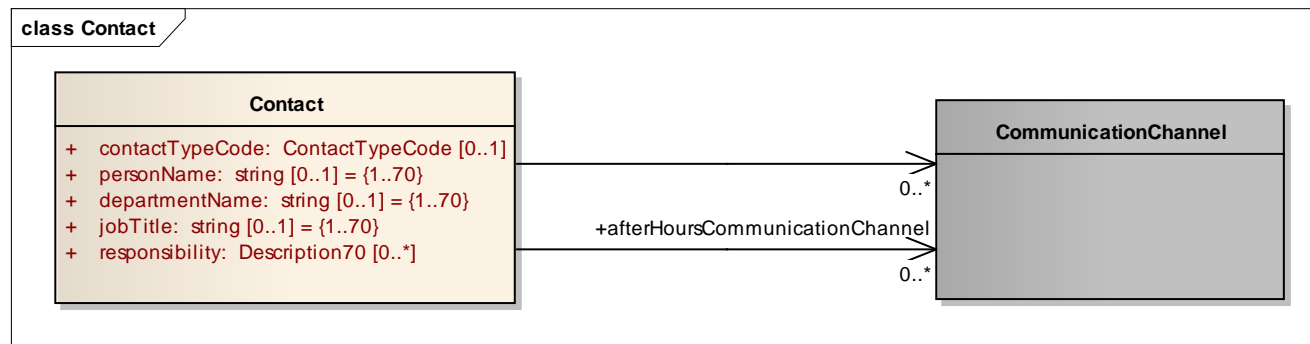
5.5.5. Class Diagram: Communication Channel



5.5.6. GDD Report: Communication Channel

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
CommunicationChannel				The channel or manner in which a communication can be made, such as telephone or email.	
Attribute	communicationChannelCode	CommunicationChannelCode	1..1	Code specifying the type of communication channel, for example TELEPHONE.	
Attribute	communicationValue	string	1..1	Text identifying the endpoint for the communication channel, for example a telephone number or an e-mail address.	

5.5.7. Class Diagram: Contact

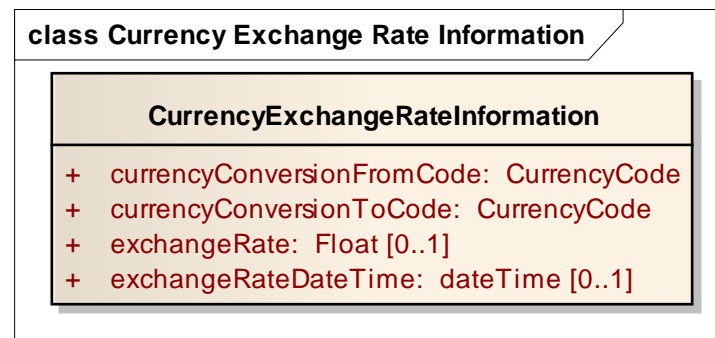


5.5.8. GDD Report: Contact

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Contact				Information on an individual or department acting as point of contact for an organisation.	
Association		CommunicationChannel	0..*	The channel or manner in which a communication can be made with the contact, such as telephone or email.	
Association	afterHoursCommunicationChannel	CommunicationChannel	0..*	The channel or manner in which a communication can be made with the contact after regular office hours.	

Attribute	contactTypeCode	ContactTypeCode	0..1	A code determining the role of the contact for example Dangerous Goods 24 Hour Contact.	
Attribute	personName	string	0..1	The name of the individual that can be contacted to provide additional information	
Attribute	departmentName	string	0..1	The name of the department that can be contacted to provide additional information	
Attribute	jobTitle	string	0..1	The job title of the person that can be contacted	
Attribute	responsibility	Description70	0..*	Text further specifying the area of responsibility of the trade contact	

5.5.9. Class Diagram: Currency Exchange Rate Information

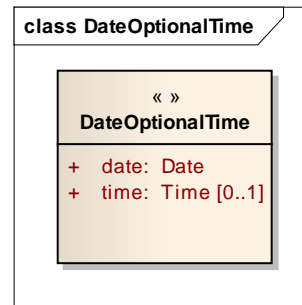


5.5.10. GDD Report: Currency Exchange Rate Information

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
CurrencyExchangeRateInformation				Provides the currency exchange rate information. Rate at which one currency may be converted into another. Generally, one unit of the home currency is expressed in terms of another currency. For example, a North American bank may quote the exchange rate between the dollar and the Euro as the number of dollars needed to buy one Euro.	
Attribute	currencyConversionFromCode	CurrencyCode	1..1	ISO Code for the currency from which an amount is converted	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	currencyConversionToCode	CurrencyCode	1..1	ISO Code for the currency to which an amount is converted	
Attribute	exchangeRate	float	0..1	The price of one currency in terms of another, that is, the number of units of one currency that may be exchanged for one unit of another currency.	
Attribute	exchangeRateDateTime	dateTime	0..1	The date as of which the currency exchange rate is valid.	

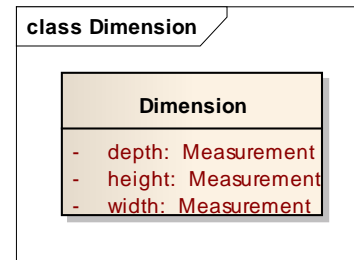
5.5.11. Class Diagram: Date Optional Time



5.5.12. GDD Report: Date Optional Time

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
DateOptionalTime				Provides a date with the optional ability to provide a time.	
Attribute	date	date	1..1	The specification of a day as calendar date.	
Attribute	time	time	0..1	The specification of a point in time during the day.	

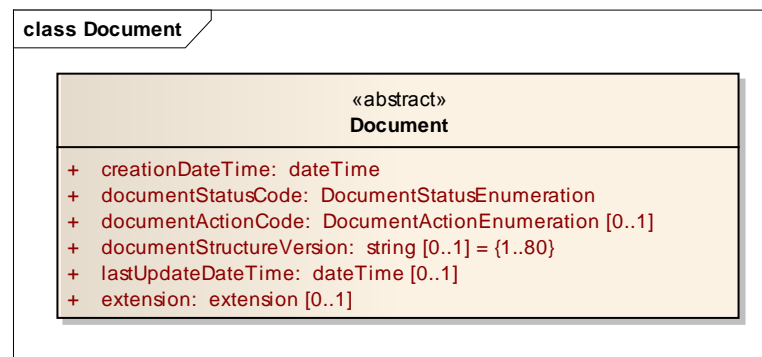
5.5.13. Class Diagram: Dimension



5.5.14. GDD Report: Dimension

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
Dimension				Provides the length, width, and depth of an item with their associated unit of measure.	
Attribute	depth	Measurement	1..1	Measurement of the distance between the front and the back.	
Attribute	height	Measurement	1..1	The vertical dimension from the lowest extremity to the highest extremity.	
Attribute	width	Measurement	1..1	The measurement of the extent of something from side to side. Width is the measurement from left to right.	

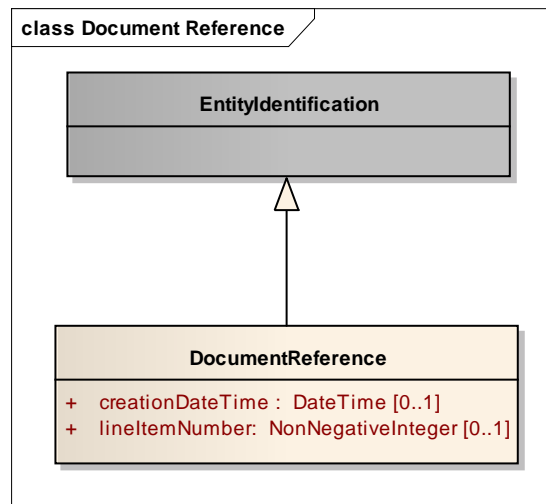
5.5.15. Class Diagram: Document



5.5.16. GDD Report: Document

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Document				Used to specify basic information about the content of the message including version number, creation date and time.	
Attribute	creationDateTime	dateTime	1..1	Date and time when the document was created.	
Attribute	documentStatusCode	DocumentStatusEnumeration	1..1	Indicates if the document is a copy or an original.	
Attribute	documentActionCode	DocumentActionEnumeration	0..1	Code specifying the action to be taken in the system of the recipient using the information in the document.	
Attribute	documentStructureVersion	string	0..1	Specification of the version of the standard on which the structure of the document is based, for example 3.0.	
Attribute	lastUpdateDateTime	dateTime	0..1	Date and time when the document was last updated.	
Extension		extension	0..1	Extension point for inclusion of additional information through an extension to the document.	

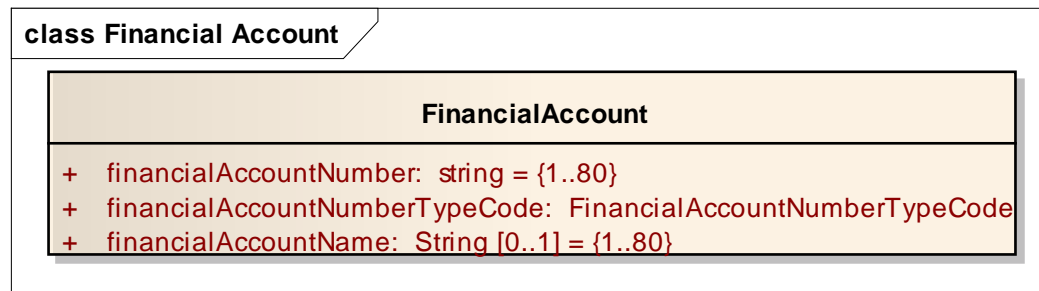
5.5.17. Class Diagram: Document Reference



5.5.18. GDD Report: Document Reference

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
DocumentReference				Information identifying a document and potentially a line within the document for referencing purposes.	
Generalization		EntityIdentification		Identification of the referenced business document.	
Attribute	creationDateTime	dateTime	0..1	Date and time of creation of the referenced document.	
Attribute	lineItemNumber	positiveInteger	0..1	Number specifying a line in the referenced document.	

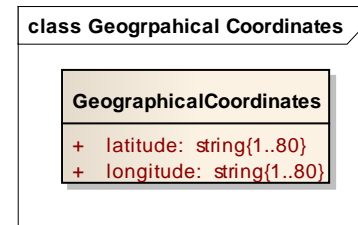
5.5.19. Class Diagram: Financial Account



5.5.20. GDD Report: Financial Account

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
FinancialAccount				Information identifying a client's financial account with a financial institution.	
Attribute	financialAccountNumber	string	1..1	Text specifying the number of the financial account.	
Attribute	financialAccountNumberTypeCode	FinancialAccountNumberTypeCode	1..1	Identifies the type of financial account number.	
Attribute	financialAccountName	string	0..1	Text specifying the name of the financial account.	

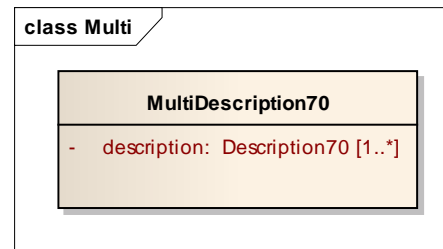
5.5.21. Class Diagram: Geographical Coordinates



5.5.22. GDD Report: Geographical Coordinates

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
GeographicalCoordinates				The longitude and latitude of a geographical location.	
Attribute	latitude	string	1..1	Angular distance North or South from the earth's equator measured through 90 degrees.	
Attribute	longitude	string	1..1	The arc or portion of the earth's equator intersected between the meridian of a given place and the prime meridian and expressed either in degrees or in time	

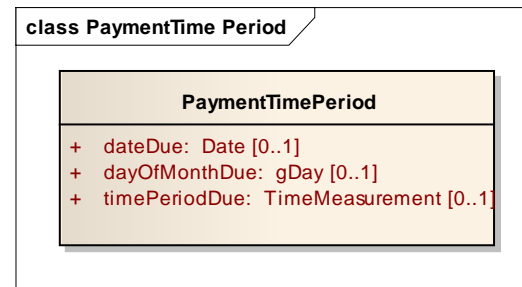
5.5.23. Class Diagram: Multi Description 70



5.5.24. GDD Report: Multi Description 70

Content	Attribute / Role	Datatype class	/Secondary	Multiplicity	Definition	Requirements
MultiDescription70					Provides multiple iterations of descriptive text with a maximum length of 70 and an associated language code.	
Attribute	description	Description70		1..*	Text content of the description.	

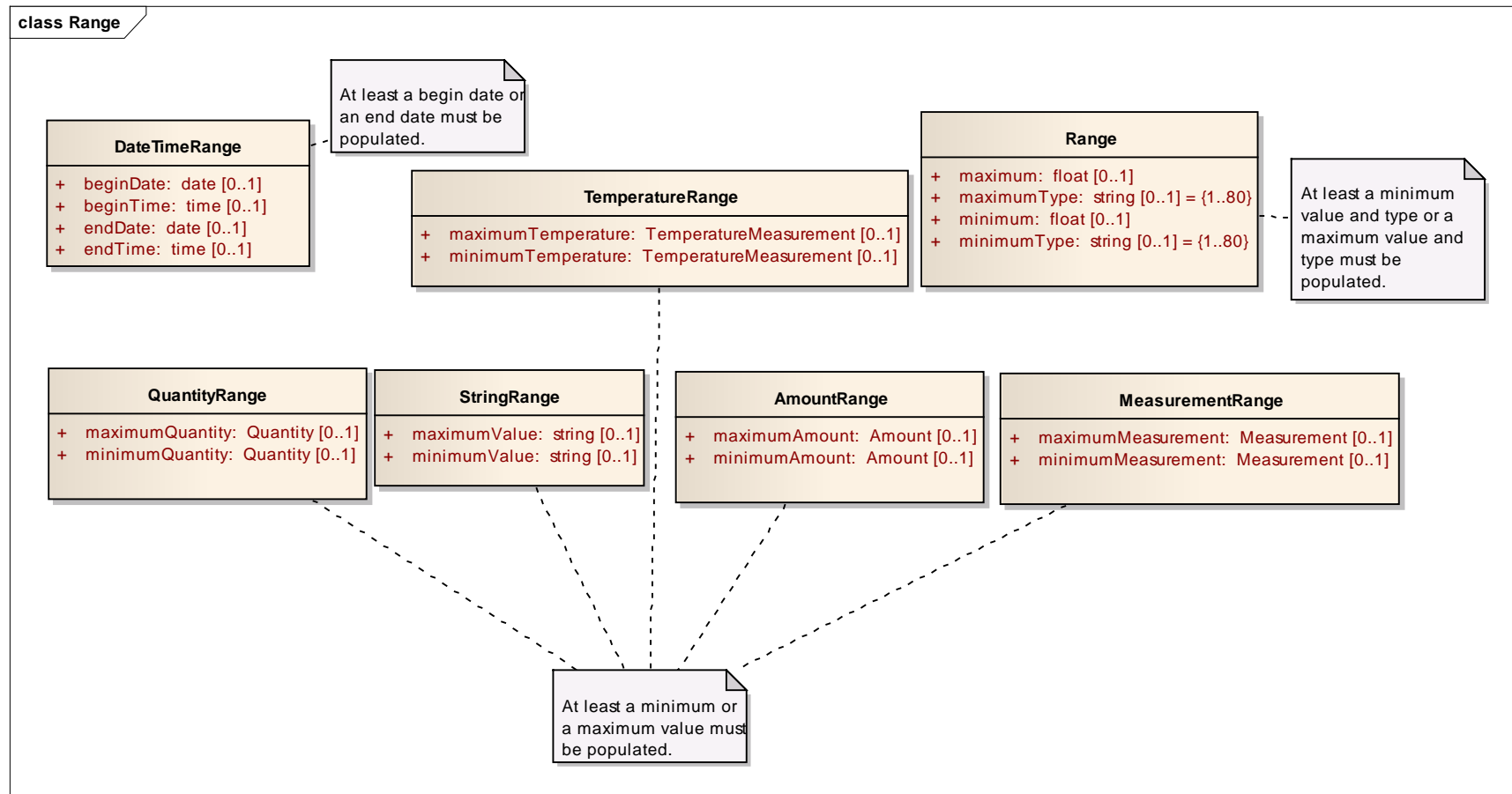
5.5.25. Class Diagram: Payment Time Period



5.5.26. GDD Report: Payment Time Period

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
PaymentTimePeriod				Provides the payment time period information.	
Attribute	dateDue	date	0..1	Calendar date specifying when the payment is due.	
Attribute	dayOfMonthDue	gDay	0..1	The time at which a payment is due, expressed as a day of the month.	
Attribute	timePeriodDue	TimeMeasurement	0..1	Measurement specifying the duration of the period within which the payment is due, for example within 10 days.	

5.5.27. Class Diagram: Range



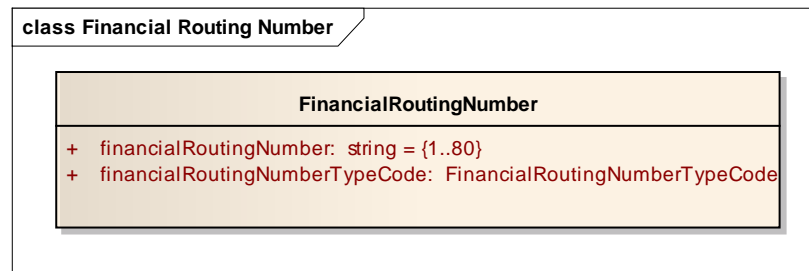
5.5.28. GDD Report: Range

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
AmountRange				Provides the difference or interval between the minimum and maximum value amount including the associated currency.	

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
Attribute	maximumAmount	Amount	0..1	Defines the upper limit required to qualify for the amount.	
Attribute	minimumAmount	Amount	0..1	Defines the lower limit required to qualify for the amount.	
DateTimeRange				Provides the difference or interval between the begin date/time and end date/time.	
Attribute	beginDate	date	0..1	Date specifying the first day for the date time range.	
Attribute	beginTime	time	0..1	Time specifying the start time for the date time range.	
Attribute	endDate	date	0..1	Date specifying the last day for the date time range.	
Attribute	endTime	time	0..1	Time specifying the end time for the date time range.	
MeasurementRange				Provides the difference or interval between the minimum and maximum measurement including the associated unit of measure.	
Attribute	maximumMeasurement	Measurement	0..1	Specifies the upper limit of the measurement range.	
Attribute	minimumMeasurement	Measurement	0..1	Specifies the lower limit of the measurement range.	
QuantityRange				Provides the difference or interval between the minimum and maximum value which may include the associated unit of measure.	
Attribute	maximumQuantity	Quantity	0..1	Specifies the upper limit of the quantity range.	
Attribute	minimumQuantity	Quantity	0..1	Specifies the lower limit of the quantity range.	
Range				Provides the difference or interval between the minimum and maximum value.	
Attribute	maximum	float	0..1	Specifies the upper limit of the quantity range.	
Attribute	maximumType	string	0..1	Identifies the type of measurement the range is expressed in.	
Attribute	minimum	float	0..1	Specifies the lower limit of the quantity range.	
Attribute	minimumType	string	0..1	A code that identifies the unit of measure of the range lower limit.	
StringRange				Provides the difference or interval between a minimum and maximum text value.	
Attribute	maximumValue	string	0..1	Specifies the upper limit of the string range.	
Attribute	minimumValue	string	0..1	Specifies the lower limit of the string range.	

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
TemperatureRange				Provides the difference or interval between the minimum and maximum temperature.	
Attribute	maximumTemperature	TemperatureMeasurement	0..1	Specifies the upper limit of the temperature range.	
Attribute	minimumTemperature	TemperatureMeasurement	0..1	Specifies the lower limit of the temperature range.	

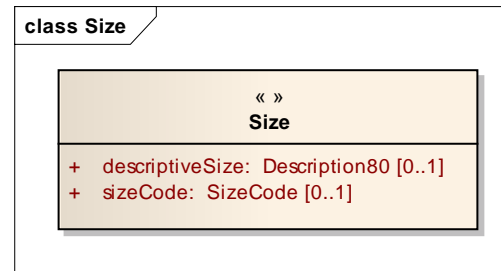
5.5.29. Class Diagram: Financial Routing Number



5.5.30. GDD Report: Financial Routing Number

Content	Attribute / Role	Datatype /Secondary class	Multiplic ity	Definition	Requirements
FinancialRoutingNumber				Provides the routing information regarding the routing number and routing number type.	
Attribute	financialRoutingNumber	string	1..1	Number assigned to a transaction in financial routing between parties.	
Attribute	financialRoutingNumber TypeCode	FinancialRoutingNumberTypeCode	1..1	Code specifying the type of financial routing, e.g. SWIFT.	

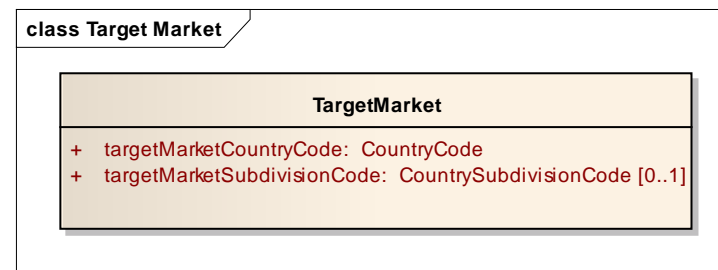
5.5.31. Class Diagram: Size



5.5.32. GDD Report: Size

Content	Attribute / Role	Datatype class	/Secondary	Multiplicity	Definition	Requirements
Size					The physical dimensions or proportions of an object depicted as a code or a description.	
Attribute	descriptiveSize	Description80		0..1	A description of the size of an object.	
Attribute	sizeCode	SizeCode		0..1	Code specifying the size of an object and the size coding system being applied, for example L (buyer assigned).	

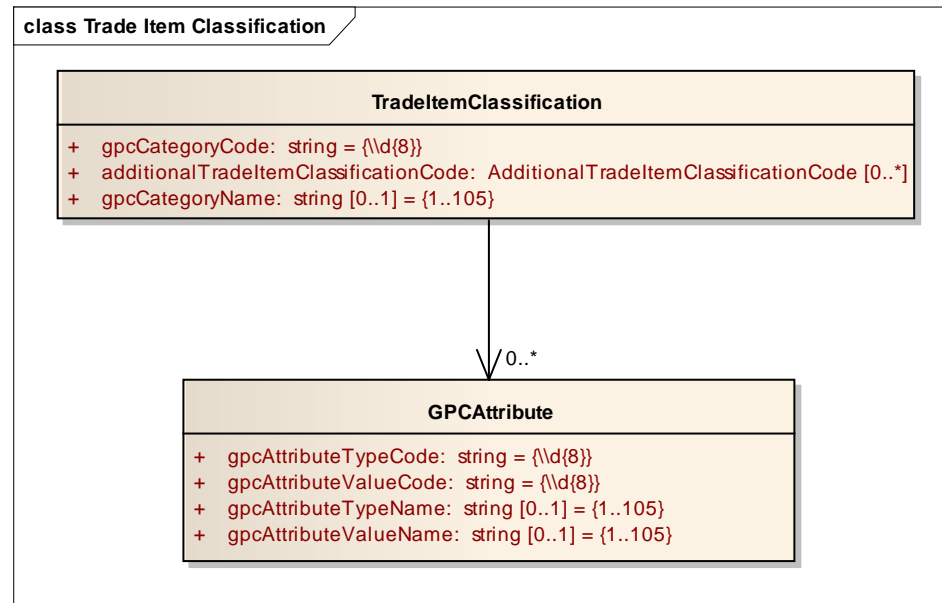
5.5.33. Class Diagram: Target Market



5.5.34. GDD Report: Target Market

Content	Attribute / Role	Datatype class	/Secondary	Multiplicity	Definition	Requirements
TargetMarket					Information specifying the geographical area where a trade item is intended to be sold.	
Attribute	targetMarketCountryCode	CountryCode		1..1	The code that identifies the target market. The target market is at country level or higher geographical definition and is where a trade-item is intended to be sold.	
Attribute	targetMarketSubdivisionCode	CountrySubdivisionCode		0..1	The Code for country sub-division definition used to indicate the geo-political subdivision of the target market (=country).	

5.5.35. Class Diagram: Trade Item Classification



5.5.36. GDD Report: Trade Item Classification

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
TradeItemClassification				Information specifying the product class to which a trade item belongs and the classification system being applied.	
Association		GPCAttribute	0..*	Contains information which identifies the GPC classification attribute for a trade item.	
Attribute	gpcCategoryCode	string	1..1	Code specifying a product category according to the GS1 Global Product Classification (GPC) standard.	
Attribute	additionalTradeItemClassificationCode	AdditionalTradeItemClassificationCode	0..*	Category code based on alternate classification schema chosen in addition to the Global Product Classification (GPC).	
Attribute	gpcCategoryName	string	0..1	Name associated with the specified Global Product Classification (GPC) category code.	
GPCAttribute				Information on the type and value of a Global Product Classification (GPC) attribute.	
Attribute	gpcAttributeTypeCode	string	1..1	Code specifying the type of the Global Product Classification (GPC) attribute, for example 20000081 - Grape Variety.	
Attribute	gpcAttributeValueCode	string	1..1	The GS1 provided code which identifies the Global Product Classification Attribute Value.	
Attribute	gpcAttributeName	string	0..1	The GS1 provided text equivalent of the Global Product Classification Attribute Code.	
Attribute	gpcAttributeValueName	string	0..1	The GS1 provided text equivalent of the Global Product Classification Attribute Value Code.	

6. Enumerations

6.1. Document Action Enumeration



Note: The command layer was removed from the eCom Message Architecture for 3.0. At the same time, there were some use cases that required the ability to send what actions were being performed on a business document. As a result, documentActionCode was added to the Document class to handle this need. The Document Action Code List is based on the Document Command Code List, but does not contain the value CORRECT since this applies to GDSN only.

Code Value	Code Definition
ADD	The creation of a new document.
CHANGE_BY_REFRESH	A change on a previously sent document by sending the entire updated document.
DELETE	The deletion of a previously sent document.

6.2. Document Status Enumeration

Code Value	Code Definition
ADDITIONAL_TRANSMISSION	Message already transmitted via another communication channel. This transmission provides electronically processable data only. The French tax authorities ask to distinguish the different transmission modes for the invoices in case of control
COPY	A copy of the original document issued by the sender.
ORIGINAL	The original document issued by the sender.

6.3. Day of the Week Enumeration

Code Value	Code Definition
FRIDAY	Not Available
MONDAY	Not Available
SATURDAY	Not Available
SUNDAY	Not Available
THURSDAY	Not Available
TUESDAY	Not Available
WEDNESDAY	Not Available

6.4. Gender Enumeration

Code Value	Code Definition
FEMALE	Female
MALE	Male

6.5. NonBinary Logic Enumeration

Code Value	Code Definition
FALSE	Negative value.
NOT_APPLICABLE	A statement that an affirmative or negative response is not required for the attribute.
TRUE	Affirmative value.
UNSPECIFIED	Value not stated.

6.6. Response Status Enumeration

Code Value	Code Definition
ACCEPTED	Designates a positive response from the recipient.
REJECTED	Designates a negative response from the recipient.
MODIFIED	Designates a positive response from the recipient with modification.
NO_ACTION	This line item is not affected by the actual message.

6.7. Weekend Day Enumeration

Code Value	Code Definition
SATURDAY	Not Available
SUNDAY	Not Available

7. Code Lists



Note: The most current version of the GS1 External Code Lists will be available in the GDD. The following section details these values as of release 3.0.0

7.1. Additional Consignment Identification Type Code

GS1 Code List	AdditionalConsignmentIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
CARRIER_ASSIGNED	Carrier assigned	An internal identifier assigned by the carrier.
CONSIGNEE_ASSIGNED	Consignee assigned	An internal identifier assigned by the consignee.
CONSIGNOR_ASSIGNED	Consignor assigned	An internal identifier assigned by the consignor.
FREIGHT_FORWARDER_ASSIGNED	Freight forwarder assigned	An internal identifier assigned by the freight forwarder.

7.2. Additional Individual Asset Identification Type Code

GS1 Code List	AdditionalIndividualAssetIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
INDUSTRY_ASSIGNED	Industry assigned	An identifier assigned by a sector specific agency for the individual asset.
OWNER_ASSIGNED	Owner assigned	An internal identifier assigned by the party that owns the asset.

7.3. Additional Logistic Unit Identification Type Code

GS1 Code List	AdditionalLogisticUnitIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
SHIPPER_ASSIGNED	Shipper assigned	An internal identifier assigned by the shipper.
LOGISTICS_SERVICE_PROVIDER_ASSIGNED	Logistics service provider assigned	An internal identifier assigned by the logistics service provider.
GOODS_RECEIVER_ASSIGNED	Goods receiver assigned	An internal identifier assigned by the receiver of the goods.

7.4. Additional Party Identification Type Code

GS1 Code List	AdditionalPartyIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY	Buyer assigned identifier for a party	An internal identifier assigned by a buyer, used to identify each trading partner with whom they engage in a commercial relationship.
DEA_DRUG_ENFORCEMENT_AGENCY	DEA	United States official Drug Enforcement Agency database of persons and organizations certified to handle controlled substances under the Controlled Substances Act.
DUNS	DUNS	Data Universal Numbering System. It is a nine-digit numbering system which uniquely identifies an individual business. The DUNS number is a nine-digit number issued by Dun & Bradstreet assigned to each business location in the D&B database having a unique, separate, and distinct operation for the purpose of identifying them. A DUNS number is also a way in which separate corporate entities, having no official relationship, can be branded as one by sharing one DUNS number among the affiliated companies.
DUNS_PLUS_FOUR	DUNS+4	The DUNS+4 refers to the DUNS number assigned by Dun and Bradstreet, plus a 4-character suffix that is assigned by the vendor to establish additional Central Contractor Registration (CCR) database records for identifying alternative electronic funds transfer (EFT) accounts for the same vendor located at the same physical address. Dun and Bradstreet has no affiliation with the 4-character suffix.
FOR_INTERNAL_USE_1	For internal use 1	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_10	For internal use 10	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_11	For internal use 11	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_12	For internal use 12	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_13	For internal use 13	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_14	For internal use 14	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_15	For internal use 15	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_16	For internal use 16	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_17	For internal use 17	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_18	For internal use 18	Identification used for internal mapping purposes.

Code Value	Code Name	Code Definition
FOR_INTERNAL_USE_19	For internal use 19	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_2	For internal use 2	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_20	For internal use 20	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_3	For internal use 3	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_4	For internal use 4	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_5	For internal use 5	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_6	For internal use 6	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_7	For internal use 7	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_8	For internal use 8	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_9	For internal use 9	Identification used for internal mapping purposes.
HIN_CANADIAN_HEALTHCARE_IDENTIFICATION_NUMBER	HIN canadian healthcare identification number	Not Available
SCAC	SCAC	Standard Carrier Alpha Code, used for identifying truckers, railroads and other conveyors
SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY	Seller assigned identifier for a party	An internal identifier assigned by a seller, used to identify each trading partner with whom they engage in a commercial relationship.
SIRET	SIRET	The SIRET is a 14 digit number composed by the SIREN (9 digits) and an internal classification number of 5n (NIC) identifying the company location. This code value is applicable in the French context and SIRET stands for Système d'Identification du Répertoire des Etablissements
TD_LINK_TRADE_DIMENSIONS	TD link trade dimensions	Nielsen assigned party identifier that allows companies to link their party master files to a corresponding Nielsen TDLink Code. Nielsen TDLink creates a link file between each customer number and Nielsen TDLink Code, store to store and account to account.
USDA_ESTABLISHMENT_NUMBER	USDA establishment number	United States Department of Agriculture assigned identifier. All containers of meat, poultry, and egg products must be labeled with a USDA mark of inspection and establishment (EST number), which is assigned to the plant where the product was produced.

7.5. Additional Returnable Asset Identification Type Code

GS1 Code List	AdditionalReturnableAssetIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
INDUSTRY_ASSIGNED	Industry assigned	An identifier assigned by a sector specific agency for the returnable asset.
OWNER_ASSIGNED	Owner assigned	An internal identifier assigned by the party that owns the returnable asset.

7.6. Additional Service Relation Identification Type Code

GS1 Code List	AdditionalServiceRelationIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
INDUSTRY_ASSIGNED	Industry assigned	An identifier assigned by a sector specific agency for service.
SERVICE_PROVIDER_ASSIGNED	Service provider assigned	An internal identifier assigned by the party providing the service.

7.7. Additional Shipment Identification Type Code

GS1 Code List	AdditionalShipmentIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
GOODS_RECEIVER_ASSIGNED	Goods receiver assigned	An internal identifier assigned by the receiver of the goods.
LOGISTICS_SERVICE_PROVIDER_ASSIGNED	Logistics service provider assigned	An internal identifier assigned by the logistics service provider.
SHIPPER_ASSIGNED	Shipper assigned	An internal identifier assigned by the party sending the shipment.

7.8. Additional Trade Item Classification Code List Code

GS1 Code List	AdditionalTradeItemClassificationCodeListCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
1	GXS	GXS Product Data Quality (Formerly UDEX LTD)
2	IRI	IRI
3	AC Nielsen	AC Nielsen
4	ECCC Interim Class Code	ECCC Interim Class Codes
5	United Nations Standard Products and Services Code	UNSPSC – United Nations Standard Products and Services Code
6	UNSPSC - Electronic Commerce Code Management Association	UNSPSC - Electronic Commerce Code Management Association
7	EAN Norges Multibransje Varegruppestandard	EAN Norges Multibransje Varegruppestandard - The ENVA code is used for classification and categorising of goods and it is used as an alternative to the GPC codes in the Norwegian marketplace
8	Supplier Assigned	Supplier Assigned – A manufacturer's own codification system
9	AMECE	AMECE – Code system used in the GS1 Mexico market
10	CCG	CCG - Code system used in the GS1 Germany market
11	EANFIN	EANFIN - Code system used in the GS1 Finland market
13	IFLS5	IFLS5 - Code system used in the GS1 France market
14	CBL	CBL - Code system used in the GS1 Netherlands market
15	Catalogue Item Information Service of Japan	Catalogue Item Information Service of Japan JICFS. Classification system maintained by GS1 Japan and used mainly on the Japanese market.
16	European Union	European Union. The economic association of over a dozen European countries which seek to create a unified, barrier-free market for products and services throughout the continent. Category of product eligible for EU subsidy (applies for certain dairy products with specific level of fat content. 1 Category I – full milk (>3,5 % fat) 2 Category II – standard milk (3,0 – 3,5 % fat) 5 Category V – medium fat milk (1,5 – 1,8 % fat) 7 Category VII – low fat milk (<0,5 % fat) 9 Category IX – other hard cheese (minimum 45% fat) For information on the latest version refer to the EU administration (in Sweden www.jordbruksverket.se)
17	GS1 Spain	GS1 Spain. A product classification system maintained by GS1 Spain and used in the Spanish Market.
18	GS1 Poland	GS1 Poland. A product classification system maintained by GS1 Poland.
19	Federal Agency on Technical Regulating and Metrology	Federal Agency on Technical Regulating and Metrology of the Russia Federation: A Russian government agency that serves as a national standardization body of the Russian Federation.
20	ECR	Efficient Consumer Response (ECR) Austria

Code Value	Code Name	Code Definition
21	GS1 Italy	GS1 Italy
22	CPV	Common Procurement Vocabulary (CPV) was introduced in 1996 as a means of raising the level of transparency and efficiency in the field of public acquisition. The use of the standard names of the CPV facilitates the marking of the procurement contracts they are interested in. In addition, CPV facilitates the swift and exact translation of contract information for publication in the official EU Bulletin as well as the preparation of procurement statistics. The CPV code consists of eight characters as well as a control character. It is managed by the Office for Official Publications of the European Communities (OPOCE).
23	IFDA	International Foodservice Distributors Association (IFDA)
24	AHFS	American Hospital Formulary Service AHFS Pharmacologic - Therapeutic Classification© (AHFS)
25	ATC	Anatomical Therapeutic Chemical classification (ATC)
26	ClaDiMEd	Classification des Dispositifs Médicaux (ClaDiMed)
27	CMDR	Canadian Medical Device Regulations (CMDR)
28	CND	Classificazione Nazionale dei Dispositivi Medici (CND)
30		UK Dictionary of Medicines & Devices(DM&D) Standard Coding Scheme
31	eCI@ss	eCI@ss: Standardized Material and Service Classification and Dictionary
32	EDMA	Classification for in vitro diagnostics medical devices (EDMA)
33	EGAR	European Generic Article Register Classification (EGAR) standard for medical devices
34	IMS	IMS Healthcare Generic Product Classification
35	GMDN	Global Medical Devices Nomenclature (GMDN)
36	GPI	Generic Product Identifier (GPI). A drug code list managed by Medi-Span.
37	HCPCS	Healthcare Common Procedure Coding System (HCPCS): Pronounced as Hick Picks.
38	ICPS	International Classification for Patient Safety (ICPS). For use in Field Testing in 2007-2008 (WHO).
39	MedDRA	Medical Dictionary for Regulatory Activities (MedDRA): An international terminology employed by the pharmaceutical industry, medical product industry and regulatory agencies throughout the entire drug development process and product post marketing activities. The current version of MedDRA (version 10.0) contains a total of 84,906 unique terms. MedDRA terminology was developed under the auspices of the International Conference on Harmonization (ICH) of Technical Requirements for Registration of Pharmaceuticals for Human Use and is a registered trademark of the International Federation of Pharmaceutical Manufacturers Associations (IFPMA).
40		Medical Columbus: German Medical classification system.
41	NAPCS	North American Classification System (NAPCS)
42	NHS-eClass	National Health Service (NHS) eClass: NHS-eClass is a bespoke classification system for products and services, owned by the English National Health Service (NHS). The purpose of NHS-eClass is to facilitate the accurate analysis of expenditure.
43		US FDA Product Code Classification Database: The Product Classification Database contains medical device names and associated information developed by the Center for Devices and Radiological Health (CDRH) in support of its mission. This database contains device names and their associated product codes. The name and product code identify the generic category of a device for FDA. The Product Code assigned to a device is based upon the medical device product classification designated under

Code Value	Code Name	Code Definition
		21 CFR Parts 862-892.
44	SHPA	The Society of Hospital Pharmacists of Australia (SHPA)
45	SNOMED	Systematized Nomenclature of Medicine-Clinical Terms (SNOMED CT®)
46	UMDS	Universal Medical Device Nomenclature System (UMDNS)
47	DTB	<u>DTB</u> (fashion) Dialog Textil – Bekleidung (DTB) a German group of companies who joined forces for the TC sector. The product classification can be found on their website http://www.dialog-dtb.de if you are a member.
48	FEDAS	<u>FEDAS</u> (sport) FEDAS represents the trans-border interests of specialist sports retailers forming part of associations in European countries. It provides services for members and third parties and is a dialogue partner for all questions concerning specialist sports retailing in Europe zie
49	EAS	<u>EAS</u> (footwear) European Article System: A harmonised system to classify and process the characteristics of shoes across Europe.

7.9. Additional Trade Item Identification Type Code

GS1 Code List	AdditionalTradeItemIdentificationTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
BUYER_ASSIGNED	Buyer Assigned	A proprietary internal identification number assigned by a data recipient, used to identify trade items purchased from each trading partner with whom they engage in a commercial relationship.
DIN	DIN	The Drug Identification Number: The number located on the label of prescription and over-the-counter drug products that have been evaluated by the Therapeutic Products Directorate (TPD) and approved for sale in Canada.
DIN_HM	DIN HM	Drug Identification Number – Homeopathic: This is the number located on the label of homeopathic drug products that have been approved for sale in Canada.
DISTRIBUTOR_ASSIGNED	Distributor Assigned	The additional Trade Item Identification value populated has been developed and assigned by an entity which purchases and takes title to goods which are then resold / redistributed elsewhere.
EPD	EPD	Electronisk Produkt Database Identifier:
FDA_NDC_10	FDA NDC 10	The National Drug Code of the United States of America is a unique 10-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
FDA_NDC_11	FDA NDC 11	The National Drug Code of the United States of America is a unique 11-digit, 3-segment number assigned to each medication listed under Section 510 of the U.S. Federal Food, Drug, and Cosmetic Act. The number identifies the labeller or vendor, product, and trade package size.
FOR_INTERNAL_USE_1	For internal use 1	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_10	For internal use 10	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_11	For internal use 11	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_12	For internal use 12	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_13	For internal use 13	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_14	For internal use 14	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_15	For internal use 15	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_16	For internal use 16	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_17	For internal use 17	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_18	For internal use 18	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_19	For internal use 19	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_2	For internal use 2	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_20	For internal use 20	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_3	For internal use 3	Identification used for internal mapping purposes.

Code Value	Code Name	Code Definition
FOR_INTERNAL_USE_4	For internal use 4	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_5	For internal use 5	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_6	For internal use 6	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_7	For internal use 7	Identification used for internal mapping purposes.
FOR_INTERNAL_USE_8	For internal use 8	Internal identification used for mapping purposes.
FOR_INTERNAL_USE_9	For internal use 9	Internal identification used for mapping purposes.
GTIN_8	GTIN 8	The 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_12	GTIN 12	The 12-digit GS1 Identification Key composed of a U.P.C. Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_13	GTIN 13	The 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN_14	GTIN 14	The 14-digit GS1 Identification Key composed of an Indicator digit (1-9), GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
HIBC	HIBC	Health Industry Business Communication Barcode: An alphanumeric identification number used as a common identifier within the healthcare industry across different locations. In the Netherlands, this code is managed by the European Health Industry Business Communications Council.
INVIMA	INVIMA	National Institute of Surveillance of Medications and Foods for Colombia. This organisation has developed a unique code of medications (CUM).
INDUSTRY_ASSIGNED	Industry Assigned	A unique proprietary identification number assigned by an industry sector association or other organization, used to identify each member company participating in the organization. Typically this association or organization provides the industry sector with a service for which this identification number is a key identifier.
ISBN_NUMBER	ISBN number	International Standard Book Number: A unique numeric commercial book identifier.
ISSN_NUMBER	ISSN number	International Standard Serial Number: unique eight-digit number used to identify a print or electronic periodical publication.
LOTTERY_GAME_NUMBER	Lottery Game Number	Unknown
LOTTERY_PACK_BOOK_NUMBER	Lottery pack book number	A unique identifier for a book of shrink-wrapped lottery game tickets.
MANUFACTURER_PART_NUMBER	Manufacturer part number	A unique identifier of a part used by a manufacturer.
MDL	MDL	The Canadian Medical Device License (MDL) is required for companies which sell Class II, III, and IV medical devices in Canada. The MDL is a product approval and should not be confused with the MDEL which is a permit for the company/distributor itself.
MODEL_NUMBER	Model Number	Additional Vendor identification number, which defines the configuration of the product over and above the Item number.
NABCA_PRODUCT_CODE	NABCA product code	A product code issued by the National Alcohol Beverage Control Association in the United States.

Code Value	Code Name	Code Definition
NAN	NAN	Nordic Article Number is a 6 digit identification number needed on all human and veterinary pharmaceuticals licensed in Sweden. The number is unique for a certain packages. A NAN can be valid in one to five Nordic countries (Sweden, Denmark, Norway, Finland and Iceland) depending on if the package fulfils some basic criteria.
NDC	NDC	National Drug Code: A unique product identifier used in the United States for drugs intended for human use.
NPN	NPN	The Natural Health Product Number: Identifies the trade item as a natural health product and the number is assigned by a regulatory health organization for example the Health Canada - Natural Health Products Directorate (Health Canada).
NSN	NSN	National Stock Number is a 13-digit number that the federal government assigns, for purposes of identification and inventory control, to every piece of supply, equipment and material that it uses and buys. In a typical NSN, the first four numbers are the Federal Supply Code (FSC), which places the item in a specific category. The second two numbers, identify the item. The next two numbers identify the country that buys the item; 00 or 01 is the code for the U.S. The remaining numbers of the NSN are referred to as the National Item Identification Number (NIIN) and are used to index NSN's
PLU	PLU	A number used to indicate a price look up for an existing random weight item. This is only used for items that have been assigned an industry PLU or proprietary PLU and that are utilized through a weighing system through the scales at the back or the front registers.
RVG	RVG	(Register Verpakte Geneesmiddelen): An identification number provided by the Institute for Drug Evaluation (College ter Beoordeling van Geneesmiddelen – CBG) in the Netherlands. This number is used as the main identification for all drugs that have been approved by the CBG for distribution within the Netherlands.
RVH	RVH	(Register Verpakte Homeopatische Geneesmiddelen): An identification number provided by the Institute for Drug Evaluation (College ter Beoordeling van Geneesmiddelen – CBG) in the Netherlands. This number is used as the main identification for all homeopathic drugs that have been approved by the CBG for distribution within the Netherlands.
SAN_4	SAN 4	A nationally set standard trade item number for a variable measure trade item. The SAN-4 is a four-digit number that uniquely identifies a weight trade item according to its country of origin. This short number is incorporated into the 13 digit GTIN symbol in combination with the weight, quantity or price.
SUPPLIER_ASSIGNED	Supplier Assigned	The additional Trade Item Identification value populated has been developed and assigned by the party which provides service(s) and/or manufactures or otherwise has possession the goods and Services.

Code Value	Code Name	Code Definition
Z_INDEX	Z INDEX	An additional identification number used to identify all medical supplies and drugs in the Netherlands when managing reimbursements for the items. The Z-Index number is assigned to every product by Z-Index, which is a regulatory body in the Netherlands for the healthcare industry.

7.10. Bar Code Type Code

GS1 Code List	BarCodeTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
ITF_14	ITF-14 (A subset of Interleaved 2-of-5) Bar Codes carry GTINs only on trade items that are not expected to pass through the Point-of-Sale.
NO_BARCODE	Item packaging does not contain bar code.
GS1_DATABAR_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed to be read by an omnidirectional scanner, such as a retail slot scanner.
GS1_DATABAR_STACKED	The GS1 DataBar Stacked Bar Code is a reduced height two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_STACKED_OMNIDIRECTIONAL	A full height, two-row version of the GS1 DataBar Omnidirectional Bar Code that is designed to be read by an omnidirectional scanner, such as a retail slot scanner.
GS1_DATABAR_TRUNCATED	A reduced height version of the GS1 DataBar Omnidirectional Bar Code that is designed for small items that will not need to be read by omnidirectional scanners.
GS1_DATABAR_EXPANDED	A bar code with a variable width (from 4 to 22 symbol characters, or a minimum of 102X wide and a maximum of 534X wide) and is 34X high (where X is the width of a module).
GS1_DATABAR_EXPANDED_STACKED	A multi-row stacked version of GS1 DataBar Expanded.
GS1_DATABAR_LIMITED	A bar code designed for small items that will not need to be read by omnidirectional Point-of-Sale (POS) scanners. Its dimensions are 74X wide, starting with a 1X space and ending with a 1X bar, by 10X high (where X is the width of a module).
GS1_128	A subset of Code 128 that is utilised exclusively for GS1 System data structures.
UPC_A	A bar code of the EAN/UPC Symbology that encodes GTIN-12, Coupon-12, RCN-12, and VMN-12.
UPC_E	A bar code of the EAN/UPC Symbology representing a GTIN-12 in six explicitly encoded digits using zero-suppression techniques.
EAN_13	A bar code of the EAN/UPC Symbology that encodes GTIN-13, Coupon-13, RCN-13, and VMN-13.
EAN_13_COMPOSITE	An EAN-13 symbol with an additional CC-A or CC-B Composite symbol included at the top of the EAN-13 symbol
EAN_8	A bar code of the EAN/UPC Symbology that encodes GTIN-8 or RCN-8.
GS1_DATABAR_LIMITED_COMPOSITE	A GS1 DataBar Limited Symbol symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Limited symbol
UPC_A_WITH_TWO_DIGIT_ADD_ON	A UPC-A Symbol with with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
UPC_E_WITH_TWO_DIGIT_ADD_ON	A UPC-E Symbol with with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
EAN_13_WITH_FIVE_DIGIT_ADD_ON	An EAN-13 with an additional five-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
EAN_13_WITH_TWO_DIGIT_ADD_ON	An EAN-13 with an additional two-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.

Code Value	Code Definition
EAN_8_COMPOSITE	An EAN-8 symbol with an additional CC-A or CC-B symbol included at the top of the EAN-8 symbol
GS1_DATA_MATRIX	GS1 implementation specification for use of Data Matrix
GS1_DATABAR_EXPANDED_COMPOSITE	A GS1 DataBar Expanded symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Expanded symbol
GS1_DATABAR_EXPANDED_STACKED_COMPOSITE	A GS1 DataBar Expanded Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Expanded Stacked symbol
GS1_DATABAR_OMNIDIRECTIONAL_COMPOSITE	A GS1 DataBar Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Omnidirectional Stacked symbol
GS1_DATABAR_STACKED_COMPOSITE	A GS1 DataBar Stacked symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked symbol
GS1_DATABAR_STACKED_OMNIDIRECTIONAL_COMPOSITE	A GS1 DataBar Stacked Omnidirectional symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Stacked Omnidirectional symbol
GS1_DATABAR_TRUNCATED_COMPOSITE	A GS1 DataBar Truncated symbol with an additional CC-A or CC-B Composite symbol included at the top of the GS1 DataBar Truncated symbol
GS1_128_COMPOSITE	A GS1-128 symbol with an additional CC-A, CC-B or CC-C Composite symbol included at the top of the GS1-128 symbol
UPC_A_WITH_FIVE_DIGIT_ADD_ON	A UPC-A with an additional five-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.
UPC_A_COMPOSITE	A UPC-A symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-A symbol
UPC_E_COMPOSITE	A UPC-E symbol with an additional CC-A or CC-B Composite symbol included at the top of the UPC-E symbol
UPC_E_FIVE_DIGIT_ADD_ON	A UPC-E with an additional five-digit symbol, called an Add-On Symbol that can be included on the item just to the right of the main bar code.

7.11. Colour Code List Code

GS1 Code List	ColourCodeListCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
1	National Retail Federation	National Retail Federation – Standard Colour & Size Codes This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems.
2	PANTONE Matching System	PANTONE MATCHING SYSTEM: The definitive international reference for selecting, specifying, matching and controlling ink colours. The PANTONE formula guide, a three-guide set consisting of 1,114 solid PANTONE Colours on coated, uncoated and matte stock, shows corresponding printing ink formulas for each colour, and the three-book set of solid chips provides coated, uncoated and matte perforated tear-out chips that can be used for quality control. Pantone® Inc
3	PANTONE Process Colour System®	PANTONE Process Colour System® Provides a comprehensive palette of more than 3,000 colours achievable in four-color (CMYK) process printing. The PANTONE solid to process guide compares a solid PANTONE Colour to the closest possible match in CMYK four-color process that can be achieved on a computer monitor, output device or printing press. Other PANTONE Colour Reference Guides for the graphic arts include metallic, pastels, tints, duotones, film and foil. The PANTONE Hexachrome® Color System. Pantone® Inc
4	The PANTONE Hexachrome® Color System	The PANTONE Hexachrome® Color System: A six-colour ultra high quality printing process, reproduces a dynamic range of more brilliant continuous-tone images and simulates brighter, more vivid colours than standard four-color process printing. Pantone® Inc
5	PANTONE TEXTILE Colour System®	PANTONE TEXTILE Colour System® A vital tool for designers in the apparel, home furnishings and interior design industries for selecting and specifying colour used in the manufacture of textiles and fashion. The System - consisting of 1,932 colours in cotton or paper format - is ideal for assembling creative palettes and conceptual colour schemes, and for providing colour communication and control in the manufacturing process. In January of 2001 Pantone Inc. included the NRF Colour Codes into the PANTONE TEXTILE Color System. Pantone® Inc
6	Assigned by Buyer	Assigned by Buyer
7	Assigned by Seller	Assigned by Seller
8	WWS	WWS: (Waren Wirtschafts System): A colour code system used in Germany for the standardisation of colours within the fashion/apparel sector.

7.12. Communication Channel Code

GS1 Code List	Communication Channel Code
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
EMAIL	email	Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.
TELEFAX	Telefax	Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.
TELEPHONE	Telephone	Voice/data transmission by telephone.
WEBSITE	Website	The identification of a world wide web address.

7.13. Contact Type Code

GS1 Code List	ContactTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	UN/ECE
Based on Code List	UN/EDIFACT 3139
Type Of Management	GS1 RESTRICTED AND EXTENDED

Code Value	Code Name	Code Definition
AA	Insurance contact	Department/person to contact for matters regarding insurance.
AD	Accounting contact	The contact responsible for accounting matters.
AE	Contract contact	Department/person to contact for matters regarding contracts.
AM	Claims contact	Department/person to contact for matters regarding claims.
AP	Accounts payable contact	Department/person responsible for the accounts payable function within a corporation.
AR	Accounts receivable contact	Department/person responsible for the accounts receivable within a corporation.
BC	Banking contact	Contact person for bank.
BJ	Department or person responsible for processing purchase order	Identification of the department or person responsible for the processing of purchase orders.
BO	After business hours contact	Department/person to contact after normal working hours.
CB	Changed by	Person who made the change.
CKE	Cook (GS1 Code)	Person responsible for cooking.
CP	Responsible person for computer data processing	Responsible person to contact for matters regarding computer data processing.
CR	Customer relations	Individual responsible for customer relations.
DE	Department/employee to execute export procedures	Department/employee which/who executes export procedures.
DI	Department/employee to execute import procedures	Department/employee which/who executes import procedures.
DL	Delivery contact	Department/person responsible for delivery.
ED	Engineering contact	Department/person to contact for matters regarding engineering.
GR	Goods receiving contact	Department/person responsible for receiving the goods at the place of delivery.
HE	Emergency dangerous goods contact	Party who is to be contacted to intervene in case of emergency.
HG	Dangerous goods contact	Department/person to be contacted for details about the transportation of dangerous goods/hazardous material.
IC	Information contact	Department/person to contact for questions regarding transactions.
LO	Place of collection contact	Department/employee to be contacted at the place of collection.
MGR	Manager (GS1 Code)	Person responsible for management within a department or company.
NT	Notification contact	Department/employee to be notified.
OC	Order contact	An individual to contact for questions regarding this order.
PD	Purchasing contact	Department/person responsible for issuing this purchase order.
PM	Product management contact	Department/person to contact for questions regarding this order.

Code Value	Code Name	Code Definition
PRC	Product Recall Contact (GS1 Code)	Contact responsible for creating, issuing and updating the product recall notification.
PRM	Product Recall Media Relation Contact (GS1 Code)	Contact who is responsible for providing information related to the product recall to media outlets.
PRO	Product Recall Consumer Contact (GS1 Code)	Contact who is responsible for providing information related to the product recall to consumers.
PRR	Product Removal Contact (GS1 Code)	Contact responsible for creating and issuing the product removal message to the product recall contact.
QC	Quality coordinator contact	Quality coordinator contact within an organization.
SA	Sales administration	Name of the sales administration contact within a corporation.
SD	Shipping contact	The shipping department contact within an organization.
SR	Sales representative or department	The sales representative or department contact within an organization.
TA	Traffic administrator	The traffic administrator contact within an organization.
TD	Test contact	Department/person responsible for testing contact.
TR	Transport contact	Department/person in charge of transportation.
WH	Warehouse	The warehouse contact within an organization.

7.14. Country Code

GS1 Code List	CountryCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	ISO
Based on Code List	ISO 3166-1
Type Of Management	FULLY ADOPTED

GS1 uses the ISO 3166-1 Code List to populate Country Code. The use of either the alpha-2 codes (e.g. FR) or the ISO 3166-1 numeric (e.g. 250) is determined by implementation.

7.15. Country Subdivision Code

GS1 Code List	CountrySubdivisionCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	ISO
Based on Code List	ISO 3166-2
Type Of Management	FULLY ADOPTED

GS1 uses the ISO 3166-2 Code List to populate Country Subdivision Code. .

7.16. Currency Code

GS1 Code List	CurrencyCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	ISO
Based on Code List	ISO 4217
Type Of Management	FULLY ADOPTED

GS1 uses the ISO 4217 Code List to populate Currency Code.

7.17. Date Format Code

GS1 Code List	DateFormatCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
CCYYMMDD		A date defined as follows: 20100127
DDMMCCYY		A date defined as follows: 27012010
DDMMMCCYY		A date defined as follows: 27OCT2010
MMDDCCYY		A date defined as follows: 01272010
MMMDDCCYY		A date defined as follows: OCT0272010
PERIOD_ID		Definition not available
XSD_DATE		A date as defined by the Gregorian calendar as specified in XML for example 2001-10-26
XSD_DATE_TIME		A date and time as defined by the Gregorian calendar as specified in XML for example 2001-10-26T21:32:52

7.18. Entity Type Code

GS1 Code List	EntityTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
1	Buyer Reconciliation Of Request For Payment	
3	Catalogue Item Confirmation	
4	Catalogue Item Link	
5	Catalogue Item Notification	
6	Catalogue Item Publication	
7	Catalogue Item Registration Response	
8	Catalogue Item Subscription	
9	Configure To Order	
10	Confirmation Of Settlement Instructions	
11	Control Total	
12	Data Synchronisation Data Pool Profile	
13	Data Synchronisation Error	
14	Debit Credit Advice	
15	Despatch Advice	
17	Event	
18	Exception Criteria	
19	Exception Notification	
20	Financial Institution Control Total	
21	Forecast	
22	Forecast Bulk Data	
23	Forecast Revision	
29	GDSN Exception	
30	Inventory Report	
35	Order	
36	Order Response	
37	Party Confirmation	
38	Party Document	
39	Party Notification	
40	Party Publication	
41	Party Registration	
42	Party Registration Response	
43	Party Subscription	
44	Performance History	
46	Price Bracket Document	
47	Price Document	

Code Value	Code Name	Code Definition
48	Product Activity	
49	Product Activity Bulk Data	
50	Receiving Advice	
51	Registry Catalogue Item	
52	Replenishment Proposal	
53	Replenishment Request	
54	Request For Catalogue Item Notification	
55	Request For Party Notification	
56	Request For Payment	
57	Retail Event	
58	Search Request	
59	Search Result	
60	Settlement	
66	Trade Item Document	
67	Trade Item Information Request	
68	Trade Item Location Profile	
69	Warehouse Shipping Order	
70	Performance Measurement	The Performance Measurement message allows trading partners to identify goals for the measures that they wish to share, as well as exchange the values for those measures. The scope of the message includes key measures of Sales, Operations, Supply Chain, and Data Accuracy performance.
71	Transport Instruction	
72	Transport Instruction Response	
73	Transport Status Request	
74	Transport Status Notification	
75	Transport Pick-up / Drop-off Request	
76	Transport Pick-up / Drop-off Confirmation	
77	Transport Capacity Requirements	
78	Transport Capacity Plan	
79	Transport Capacity Booking	
80	Transport Capacity Booking Response	
81	Artwork Content	
82	Artwork Content Response	

7.19. Financial Account Number Type Code

GS1 Code List	FinancialAccountNumberTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
TIME_DEPOSIT	Time Deposit	The resource value of a time deposit is the net amount due after penalties are imposed for early withdrawal. If the funds cannot be withdrawn before maturity, the time deposit is not a resource until it matures. Time deposits include but are not limited to certificates of deposit, savings certificates, and individual retirement accounts (IRAs)
CHECKING_ACCOUNT	Checking Account	US term corresponding to "current account" in the UK. A demand deposit account, withdrawals from which may be made by a written, negotiable instrument.
BUSINESS_ACCOUNT	Business Account	An identifying number or code assigned by issuing authorities to manage business activities. Note: 1. This code value will be removed effective with directory D.04A. (UN/CEFACT)

7.20. Financial Routing Number Type Code

GS1 Code List	Financial Routing Number Type Code
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
ABA_TRANSIT_ROUTING_NUMBER	ABA Transit Routing Number	Routing (aka transit) number assigned by the American Bankers Association.
SWIFT_IDENTIFICATION	SWIFT Identification	Routing (aka transit) number assigned by SWIFT for International wires.
CHIPS	CHIPS	Routing (aka transit) number assigned by Clearing House Interbank Payments System.
CANADIAN_BANK	Canadian Bank	Routing (aka transit) number assigned by the Canadian Payments Association.

7.21. Incoterms Code

GS1 Code List	IncotermsCode
GS1 Code List Version	n/a
Managing Agency	UN/ECE
Based on Code List	UN/ECE recommendation 5 version 2000
Type Of Management	FULLY ADOPTED

Code Value	Code Name	Code Definition
CFR	Cost and Freight	The risk is transferred when the goods have effectively passed the ship's rail at the port of shipment. Insurance to be covered by the buyer.
CIF	Cost, Insurance and Freight	The risk is transferred when the goods have effectively passed the ship's rail at the port of shipment. Insurance to be covered by the seller.
CIP	Carriage and Insurance Paid To	The risk is transferred when the goods are taken into custody by the first carrier. Insurance to be covered by the seller.
CPT	Carriage Paid To	The risk is transferred when the goods are taken into custody by the first carrier who has undertaken transportation from the place of departure. Insurance to be covered by the buyer.
DAF	Delivered at Frontier	The risk is transferred when the goods are put at the disposal of the buyer at the named place at frontier. Insurance to be covered by the seller.
DDP	Delivered Duty Paid	The risk is transferred when the goods are put at the disposal of the buyer at the named place. Duty is paid. Insurance to be covered by the seller.
DDU	Delivered Duty Unpaid	The risk is transferred when the goods are put at the disposal of the buyer at the named place. Duty is not paid. Insurance to be covered by the seller.
DEQ	Delivered Ex Quay	The risk is transferred when the goods have been effectively put at the disposal of the buyer on the quay at the port of destination. Insurance to be covered by the seller.
DES	Delivered Ex Ship	The risk is transferred when the goods have been effectively put at the disposal of the buyer on board the ship at the port of destination. Insurance to be covered by the seller.
EXW	ExWorks	The risk is transferred when the goods are put at the disposal of the buyer according to the terms of the agreement. Insurance to be covered by the buyer.
FAS	Free Alongside Ship	The risk is transferred when the goods have been effectively delivered alongside the ship at the named port of shipment. Insurance to be covered by the buyer.
FCA	Free Carrier	The risk is transferred when the goods are taken into custody of the carrier at the time and named point mentioned in the contract. Insurance to be covered by the buyer (the seller to the named point).
FOB	Free On Board	The risk is transferred when the goods have effectively passed the ship's rail at the port of shipment. Insurance to be covered by the buyer.

7.22. Language Code

GS1 Code List	LanguageCode
GS1 Code List Version	n/a
Managing Agency	ISO
Based on Code List	ISO 639-1
Type Of Management	FULLY ADOPTED

7.23. Measurement Unit Code

GS1 Code List	MeasurementUnitCode
GS1 Code List Version	n/a
Managing Agency	UN/ECE
Based on Code List	UN/ECE Recommendation 20 – revision 6
Type Of Management	FULLY ADOPTED



Note: Note: The complete Recommendation 20 will be used within eCom. Within GDSN there will be a subset based on the work done by the Code List Sub team within GDSN (CR 08-000013).

7.24. Nutrient Type Code

GS1 Code List	NutrientTypeCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	Food and Agriculture Organisation of the United Nations
Based on Code List	UN INFOODS - June 2007
Type Of Management	GS1 EXTENDED

The following GS1 extensions have been defined:

Code Value	Code Name	Code Definition
G_CMO	Carbon Monoxide	
G_NICT	Nicotine	
G_NMES	Non-milk Extrinsic Sugars	
G_TAR	Tar	

7.25. Party Role Code

GS1 Code List	PartyRoleCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
ACCEPTING_PARTY		Party accepting goods, products, services etc.
BILL_OF_LADING_RECIPIENT		Party to receive Bill of Lading.
BILL_TO		Party which receives goods and invoice.
BRAND_OWNER		The organisation that owns the specifications of the Party regardless of where and by whom it is manufactured is normally responsible for the allocation of the Global Trade Item Number (GTIN).
BROKER_AGENT		A person who buys or sells for another entity without having title to the property.
BUYER		Party to which merchandise are sold.
BUYERS_AGENT_REPRESENTATIVE		Third party who arranged the purchase of merchandise on behalf of the actual buyer.
CARRIER		A company, which physically transports goods from one place to another.
CENTRAL_PAYMENT_SERVICE		Master of the conveyance. A party providing central (or consolidated payment) services.
CHECKING_PARTY		Party or contact designated on behalf of carrier or his agent to establish the actual figures for quantities, weight, volume and/or (cube) measurements of goods or containers which are to appear in the transport contract and on which charges will be based
CHEQUE_ORDER		Party to which the cheque will be ordered, when different from the beneficiary.
CONSIGNEE		Party to which goods are consigned.
CONSOLIDATOR		Party consolidating various consignments, payments etc.
CONSUMER		The end user of a trade item or a service.
CORPORATE_IDENTITY		Identity of the party to whom all other parties of the same commercial organization are linked.
CUSTOMS		Identification of customs authority relevant to the transaction or shipment.
CUSTOMS_BROKER		Party responsible for the preparation of documents and/or electronic submissions, the calculation on behalf of the client of taxes, duties and excises, and facilitating communication between the importer/exporter and governmental authorities.

Code Value	Code Name	Code Definition
DECLARANTS_AGENT_REPRESENTATIVE		Any natural or legal person who makes a declaration to an official body on behalf of another natural or legal person, where legally permitted (CCC).
DELIVERY_PARTY		Party to which goods are delivered.
DESIGNER		A Party who designs.
DESPATCH_PARTY		Party where goods are collected or taken over by the carrier.
DISTRIBUTOR		Party distributing goods, financial payments or documents.
DOCK_DOOR		A door or collection of doors where trucks or rail cars are loaded (shipping) or unloaded (receiving). Used to load or unload trade items for logistics.
EMPTY_EQUIPMENT_DESPATCH_PARTY		Party from whose premises empty equipment will be or has been despatched.
EMPTY_EQUIPMENT_RETURN_PARTY		Party to whose premises empty equipment will be or has been returned.
EQUIPMENT_OWNER		Owner of equipment (container, etc.).
EXPORTER		Party who makes - or on whose behalf a Customs clearing agent or other authorized person makes - an export declaration. This may include a manufacturer, seller or other person. Within a Customs union, consignor may have the same meaning as exporter
FACTOR		A party that purchases financial receiving instruments e.g. invoices
FREIGHT_FORWARDER		A person or firm that arranges for a pick up or deliver goods by a carrier on instructions of a shipper or consignee from or to a point by various necessary conveyances and common carriers.
GOODS_OWNER		The party which owns the goods.
HEAD_OFFICE		The executive or main office of an enterprise.
IMPORTER		Party who makes - or on whose behalf a Customs clearing agent or other authorized person makes - an import declaration. This may include a person who has possession of the goods or to whom the goods are consigned.
INFORMATION_PROVIDER		The Party providing the information contained in the document.
INSURER		A person or company offering insurance policies for premiums.
INTERMEDIARY_BANK_1		A financial institution between the ordered bank and the beneficiary's bank.
INTERMEDIARY_BANK_2		A financial institution between the ordered bank and the beneficiary's bank.
INVENTORY_CONTROLLER		To specifically identify the party in charge of inventory control.
INVENTORY_REPORTING_PARTY		Party reporting inventory information.
INVOICEE		Party issuing an invoice.
ISSUER_OF_INVOICE		Party which issues an invoice.
LOGISTICS_SERVICE_PROVIDER		An umbrella term for an entity, which

Code Value	Code Name	Code Definition
		provides a combination of many different logistics services for another entity.
MANUFACTURER_OF_GOODS		Party who manufactures the goods.
MANUFACTURING_PLANT		A physical location consisting of one or more buildings with facilities for manufacturing.
MARK_FOR		The ultimate destination of a unit load or transport package of goods where the Ship-To is a different location.
MESSAGE_FROM		Party where the message comes from.
MESSAGE_RECIPIENT		Party receiving the message.
OPERATING_DIVISION		An entity that is part of another entity. For example, a Regional Marketing Office. Operating Divisions may have multiple days and times of operation.
OPERATOR		A person or persons who own or operate a business establishment, which services consumers directly. For example a restaurant owner as part of a chain or an independent operation.
ORDERING_PARTY		To be used only if ordering party and buyer are not identical.
OWNER_OF_EQUIPMENT		Party who owns equipment.
OWNER_OF_MEANS_OF_TRANSPORT		Party owning the means of transport. Not a synonym of carrier
PARTY_DECLARING_THE_VALUE_ADDED_TAX		A code to identify the party who is responsible for declaring the Value Added Tax (VAT) on the sale of goods or services.
PARTY_FOR_WHOM_ITEM_IS_ULTIMATELY_INTENDED		Party for whom item is ultimately intended.
PARTY_RECOVERING_THE_VALUE_ADDED_TAX		A code to identify the party who is eligible to recover the Value Added Tax (VAT) on the sale of goods or services.
PARTY_TO_RECEIVE_ALL_DOCUMENTS		A party which is named to be the recipient of all documents.
PARTY_TO_RECEIVE_COMMERCIAL_INVOICE		Party to whom payment for a commercial invoice or bill should be remitted.
PARTY_TO_RECEIVE_ELECTRONIC_COPY_OF_INVOICE		Party being informed about invoice issue (via EDI).
PARTY_TO_RECEIVE_FREIGHT_BILL		Party to whom the freight bill should be sent.
PARTY_TO_RECEIVE_REFUND		Party to whom a refund is given.
PAYEE		Party, which receives payment.
PAYER		Party which initiates payment.
POINT_OF_SALE		Refers to the retail type checkout where bar code symbols are normally scanned.
PRICE_LOCATION_PARTY		A party to which a price for a trade item is applicable. Within the context of GDSN Price Synchronization, it is also known as the 'Price Location' which is a GLN.
PROXY		A company that is selected by the Brand Owner to maintain their baseline attributes and Administrative Records in the GDSN.

Code Value	Code Name	Code Definition
PUBLIC_WAREHOUSE		A building, or a part of one, where storage space is offered to other companies for compensation (fee), for the storage of their goods, merchandise, etc.
REMIT_TO		Party to whom funds are directed for payment of a commercial invoice.
RETURNABLE_ASSET_SERVICE_CENTRE		The location where a returnable asset is serviced.
SELLER		Party which sells products or services to a buyer.
SERVICE_PROVIDER		A party providing services for another party (e.g. re- packing supplier's products).
SHIP_FROM		Party from where goods will be or have been shipped.
SHIP_TO		Party which receives goods and invoices.
STORE		A physical entity that sells trade items to a consumer.
SUBSTITUTE_SUPPLIER		Party which may be in a position to supply products or services should the main usual supplier be unable to do so.
SUPPLIER		A party that provides goods or services.
TRANSPORTATION_CARRIER		Party undertaking or arranging transport of goods between named points.
VISITING_ADDRESS		An enterprise's physical location where guests are received during set working hours
WAREHOUSE_AND_OR_DEPOT		Industrial department of a company equipped with appropriate equipment and fittings in which goods are stored in appropriate conditions.
WAREHOUSE_KEEPER		Party taking responsibility for goods entered into a warehouse.
WHOLESALE		Seller of articles, often in large quantities, to be retailed by others.

7.26. Payment Method Code

GS1 Code List	PaymentMethodCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
BANK_CHEQUE		Payment by a pre-printed form, which has been completed by a financial institution, on which instructions are given to an account holder (a bank or building society) to pay a stated sum to a named recipient.
BANK_GIRO		The payment was originally made by bankgiro.
BANKERS_DRAFT		Issue of a banker's draft in payment of the funds.
BOOKENTRY_CREDIT		A credit entry between two accounts at the same bank branch. Synonym: house credit.
BOOKENTRY_DEBIT		A debit entry between two accounts at the same bank branch. Synonym: house debit.
BOP		Not Available
CASH		Payment by currency (including bills and coins) in circulation, including checking account deposits.
CERTIFIED_CHEQUE		Payment by a pre-printed form stamped with the paying bank's certification on which instructions are given to an account holder (a bank or building society) to pay a stated sum to a named recipient .
CHEQUE		Payment by a pre-printed form on which instructions are given to an account holder (a bank or building society) to pay a stated sum to a named recipient.
CREDIT_CARD		Payment by means of a card issued by a bank or other financial institution.
DEBIT_CARD		The amount is to be, or has been, directly debited to the customer's bank account through a bank card.
ELECTRONIC_CREDIT_ACH		A credit transaction made through the automated clearing house system
ELECTRONIC_DEBIT_ACH		A debit transaction made through the automated clearing house system.
FED_WIRE_NON_REPETITIVE		Fedwire is a real time gross settlement funds transfer system operated by the Federal Reserve Banks that enables financial institutions to electronically transfer funds between its participants.
FED_WIRE_REPETITIVE		Fedwire is a real time gross settlement funds transfer system operated by the Federal Reserve Banks that enables financial institutions to electronically transfer funds between its participants.

Code Value	Code Name	Code Definition
INTERNATIONAL_WIRE		Not Available
LETTER_OF_CREDIT		The financial operation is a letter of credit.
POSTGIRO		The financial operation has been done by postgiro.
WIRE_TRANSFER_CREDIT		Not Available
WIRE_TRANSFER_DEBIT		Not Available

7.27. Responsible Agency Code

GS1 Code List	ResponsibleAgencyCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	UN/ECE
Based on Code List	UN/EDIFACT 3055
Type Of Management	GS1 RESTRICTED AND EXTENDED

Code Value	Code Name	Code Definition
2	CEC	Commission of the European Communities
3	IATA	International Air Transport Association
5	ISO	International Organization for Standardization
6	UN/ECE	United Nations - Economic Commission for Europe
7	CEFIC	Conseil Europeen des Federations de l'Industrie Chimique
8	EDIFICE	EDI Forum for companies with Interest in Computing and Electronics (EDI project for EDP/ADP sector).
9	GS1	GS1 International
10	ODETTE	Organization for Data Exchange through Tele-Transmission in Europe (European automotive industry project).
17	S.W.I.F.T.	Society for Worldwide Interbank Financial Telecommunications s.c.
28	EDITEUR	Code identifying the pan European user group for the book industry as an organisation responsible for code values in the book industry.
60	Assigned by national trade agency	The code list is from a national agency
65	GS1 France	Organisation responsible for GS1 System in France.
68	GS1 Italy	Organisation responsible for GS1 System in Italy.
83	US, National Retail Federation	The National Retail Federation is the trade association for the general merchandise retailing industry. In addition to providing support and education services, they also maintain and publish standard colour and size codes for the retail industry.
84	DE, BRD	Gesetzgeber der Bundesrepublik Deutschland. German legislature.

Code Value	Code Name	Code Definition
86	Assigned by party originating the message	Codes assigned by the originating party of the message.
87	Assigned by carrier	Codes assigned by the carrier.
88	Assigned by owner of operation	Assigned by owner of operation (e.g. used in construction)
89	Assigned by distributor	Codes assigned by a distributor.
90	Assigned by manufacturer	Code assigned by the manufacturer.
91	Assigned by supplier or supplier's agent	Code assigned by the supplier or supplier's agent.
92	Assigned by buyer or buyer's agent	Codes assigned by a buyer or buyer's agent.
112	US, U.S. Census Bureau	The Bureau of the Census of the U.S. Dept. of Commerce.
113	GS1 US	Organisation responsible for GS1 System in the USA.
116	US, ANSI ASC X12	American National Standards Institute ASC X12
131	DE, German Bankers Association	German Bankers' Association.
136	GS1 UK	Organisation responsible for GS1 System in the UK.
174	DE, DIN (Deutsches Institut fuer Normung)	German standardization institute.
182	US, Standard Carrier Alpha Code (Motor)	Organisation maintaining the SCAC lists and transportation operating in North America.
200	GS1 Netherlands	Organisation responsible for GS1 System in the Netherlands.
245	GS1 Denmark	Organisation responsible for GS1 System in Denmark.
246	GS1 Germany	Organisation responsible for GS1 System in Germany.
260	Ediel Nordic forum	A code to identify Ediel Nordic forum, which is an organization standardizing the use of EDI between the participants in the Nordic power market.
281	GS1 Belgium & Luxembourg	Organisation responsible for GS1 System in Belgium & Luxembourg.
286	SE, TCO	The Swedish Confederation of Professional Employees.
294	GS1 Austria	Organisation responsible for the GS1 System in Austria.
298	GS1 Spain	Organisation responsible for the GS1 System in Spain.
316	GS1 Finland	Organisation responsible for the GS1 system in Finland.
317	GS1 Brazil	Organisation responsible for the GS1 system in Brazil.
324	GS1 Ireland	Organisation responsible for the GS1 system in Ireland.

Code Value	Code Name	Code Definition
325	GS1 Russia	Organisation responsible for the GS1 system in Russia.
326	GS1 Poland	Organisation responsible for the GS1 system in Poland.
327	GS1 Estonia	Organisation responsible for the GS1 system in Estonia
376	PANTONE	Color code controlling organisation
CEN	Comite European de Normalisation (GS1 Code)	Comite European de Normalisation.
PMS	Pantone Matching System (GS1 Code)	Pantone Matching System.
RAL	DE, Deutsches Institut fuer Guetesicherung und Kennzeichnung (GS1 Code)	
TGA	AU, Therapeutic Goods Administration (GS1 Code)	Australian administration responsible for the regulation of therapeutic goods in Australia.
X5	IT, Ufficio IVA (GS1 Code)	Ufficio responsabile gestione partite IVA, Italy (Italian Institute issuing VAT registration numbers).
X6	Assigned by logistics service provider (GS1 Code)	Codes assigned by the logistics service provider.
ZZZ	Mutually defined	A code assigned within a code list to be used on an interim basis and as defined among trading partners until a precise code can be assigned to the code list.

7.28. Size Code List Code

GS1 Code List	SizeCodeListCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
1		National Retail Federation – Standard Colour & Size Codes This handbook provides guidelines for use in retailers' and vendors' merchandising and communications systems.
2		Assigned by Buyer
3		Assigned by Seller

7.29. Tax Category Code

GS1 Code List	TaxCategoryCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
APPLICABLE		Tax applies to the item or service within the target market at the rate specified TradeItemTaxAmount or TradeItemTaxRate.
DOMESTIC_REVERSE_CHARGE		Code specifying that the rate is based upon the domestic reverse charge VAT treatment. This code value is particularly pertinent to the UK context.
EXEMPT		The item or service has no taxation requirements nor any requirements related to invoicing or reporting.
FREE_EXPORT_ITEM		Code specifying that the item is free export and taxes are not charged.
HIGH		The Trade Item is taxed at a tax rate that is higher than any other rate of taxation for trade items. The classification of High is subject to Target Market rules and can change based on regulation.
LOW		The item or service is taxed at a tax rate that is lower than any other rate of taxation for trade items (except zero). The classification of low is subject to Target Market rules and can change based on regulation.
MEDIUM		The item or service is taxed at a tax rate that is considered to be intermediate between the lower and higher rates of taxation for trade items. The classification of medium is subject to Target Market rules and can change based on regulation.
MIXED		Code specifying that the rate is based on mixed tax. Transaction includes item taxed at different rates.
NOT_APPLICABLE		Tax does not apply to the item or service within the target market.
PREPAID		The tax, fee or duty has been paid by the supplier of the trade item.
SERVICES_OUTSIDE_SCOPE_OF_TAX		Code specifying that taxes are not applicable to the services.
STANDARD		Tax rate used or accepted as normal or average. The classification of standard is subject to Target Market rules and can change based on regulation.
VALUE_ADDED_TAX_NOT_NOW_DUE_FOR_PAYMENT		A code to indicate that the Value Added Tax (VAT) amount which is due on the current invoice is to be paid on receipt of a separate VAT payment request. The value added tax is not due for payment now.
ZERO		The item or service has a tax rate or amount equal to zero but still has requirements for invoicing and may have a rate that can be modified by the government at any given time.

7.30. Temperature Measurement Unit Code

GS1 Code List	TemperatureMeasurementUnitCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	UN/ECE
Based on Code List	UN/ECE recommendation 20
Type Of Management	GS1 RESTRICTED

Code Value	Code Name	Code Definition
CEL		Celsius: (also historically known as centigrade) is a temperature scale, the freezing point of water is 0 degrees Celsius (°C) and the boiling point 100 °C (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 100 degrees apart.
FAH		The Fahrenheit temperature scale: the freezing point of water is 32 degrees Fahrenheit (°F) and the boiling point 212 °F (at standard atmospheric pressure), placing the boiling and freezing points of water exactly 180 degrees apart.
KEL		Kelvin: A unit of absolute temperature equal to 1/273.16 of the absolute temperature of the triple point of water. One Kelvin degree is equal to one Celsius degree.

7.31. Time Measurement Unit Code

GS1 Code List	TimeMeasurementUnitCode
GS1 Code List Version	r1 (September 2011)
Managing Agency	UN/ECE
Based on Code List	UN/ECE recommendation 20
Type Of Management	GS1 RESTRICTED

Code Value	Code Name	Code Definition
SEC		Second [unit of time]
MIN		Minute [unit of time]: 60 seconds
HUR		Hour: 3,600 seconds
DAY		Day: 86,400 seconds
C26		Millisecond: 10^{-3} second
H70		Picosecond: 10^{-12} second
B98		Microsecond: 10^{-6} second
C47		Nanosecond: 10^{-9} second
QAN		Quarter of a Year: A unit of time defining the number of quarters (3 months).
WEE		Week: 604,800 seconds
MON		Month: 2,629,800 seconds (approx)
ANN		Year: 31,556,926 seconds

8. Business Document Example

Not Applicable

9. Implementation Considerations

Not Applicable

10. Testing

10.1. Pass / Fail Criteria

Not applicable

10.2. Test Data

Not applicable

11. Appendices

Not Applicable

12. Summary of Changes

Change	BMS Doc Version	Associated CR Number
Baseline version for 3.0 Release.	1.0.0	N/A
BMS Public review: <ul style="list-style-type: none">corrected design of Amount data type, reversed sequence of codeListVersion and currencyCode.Added in GDTI.Added SourceReference from BMS Artwork Content.	1.0.0	N/A
<ul style="list-style-type: none">Updated for Increment 1 Release.<ul style="list-style-type: none">Added following code values to Contact Type for product recall (PRO, PRM, PRC, PRR)Errata update on definition of amount.	1.0.1	